Montana Rest Area Plan Update

APPENDIX B TECHNICAL MEMORANDUM



PREPARED BY: 1300 Cedar Street Helena, Montana 59601 (406) 442-0370

February 2019

CONTENTS

1.0	INTE	RODUCTION	1
2.0	STE	P 1: SITE EVALUATION	3
	2.1	Calculated Scoring Elements2.1.1Rest Area Age and Remaining Service Life for Pavement and Structures2.1.2Parking/Restroom Stall Demand – Rest Areas (WTI Report)2.1.3Parking/Restroom Stall Demand – Rest Areas (Health Index)2.1.4Parking/Restroom Stall Demand – Truck Parking Areas2.1.5Water System Evaluation – Rest Areas2.1.6Water System Evaluation – Truck Parking Areas2.1.7Wastewater Evaluation – Rest Areas2.1.8Wastewater Evaluation – Truck Parking Areas	5 5 12 21 21 28 29 33
	2.2	Scoring Summary	34
	2.3	Other Considerations2.3.1ADA Features2.3.2Environmental Features	37 37 39
	2.4	Investment Options and Costs	40
3.0	STE	P 2: NETWORK EVALUATION	45

TABLES

Table 1.1	Montana Rest Areas and Truck Parking Areas	2
Table 2.1	Health Index Point Values – Rest Areas	4
Table 2.2	Health Index Point Values – Truck Parking Areas	5
Table 2.3	Rest Area Age – Structure	5
Table 2.4	Rest Area Age – Pavement	6
Table 2.5	Average Dwell Time	11
Table 2.6	Passenger Vehicle Parking (2016 and 2036)	16
Table 2.7	Truck Parking (2016 and 2036)	18
Table 2.8	Restroom Stalls (2016 and 2036)	19
Table 2.9	Water System Health Index Scoring Summary – Rest Areas	27
Table 2.10	Water System Health Index Scoring Summary – Truck Parking Areas	28
Table 2.11	Wastewater System Health Index Scoring Summary	32
Table 2.12	Wastewater System Health Index Scoring Summary – Truck Parking Areas	34
Table 2.13	Health Index Scoring Summary – Rest Areas	34
Table 2.14	Health Index Scoring Summary – Truck Parking Areas	36
Table 2.15	Exterior ADA Inventory Features	38
Table 2.16	Interior ADA Inventory Features	39
Table 2.17	Environmental Features	40
Table 2.18	Improvement Strategy Criteria	40
Table 2.19	Rest Area Improvement Costs	42
Table 2.20	Truck Parking Area Improvement Costs	44

Table 3.1	Corridor Segments Exceeding 70 Miles (Year-round Rest Areas Only) 45
Table 3.2	Corridor Segments Exceeding 70 Miles (All Rest Areas/Truck Parking Areas) 46

FIGURES

Figure 2-1	Health Index Score Distribution for State-maintained Rest Areas	37
Figure 2-2	Health Index Score Distribution for State-maintained Truck Parking Areas	37

EQUATIONS

Equation 1	Parking Spaces – WTI Report	8
Equation 2	Restroom Stalls – WTI Report	9
Equation 3	Parking Spaces – Health Index Calculations with Door Count Data	. 12
Equation 4	Parking Stalls – Health Index Calculations without Door Count Data	. 13
Equation 5	Restroom Stalls – Health Index Calculations	. 13
Equation 6	Site-specific P Value – Health Index Calculations	. 14
Equation 7	Peak Daily Domestic Water Usage	. 21
Equation 8	Additional Volume Required to Satisfy Peak Instantaneous Demand	. 24
Equation 9	Wastewater System Design Flow with Daily Door Counts	. 30
Equation 10	Wastewater System Design Flow with modified WTI Traffic Data	. 30

ATTACHMENTS

Attachment 1	Flowchart
Attachment 2	Site Evaluation Forms
Attachment 3	Site Inventory
Attachment 4	Rest Area Age and Service Life
Attachment 5	Parking/Restroom Stall Demand Calculations
Attachment 6	Seasonal and Axle Adjustment Factors
Attachment 7	Water Calculations
Attachment 8	Wastewater Calculations
Attachment 9	Environmental Considerations
Attachment 10	Health Index Scoring
Attachment 11	Summary Sheets
Attachment 12	Improvement Costs
Attachment 13	Improvement Figures

Attachment 14 Spacing Analysis

1.0 Introduction

This technical memorandum summarizes DOWL's site and network evaluation efforts in support of the Montana Rest Area Plan update. These efforts correspond with Step 1 and Step 2 in the flowchart provided in Attachment 1 and will assist the Montana Department of Transportation (MDT) Statewide Rest Area Prioritization Plan Committee's asset management approach in prioritizing individual rest area projects.

MDT distinguishes rest areas and truck parking areas based on the level and type of service provided at each facility type. Rest areas provide a higher level of service, generally offering dedicated parking spaces for passenger vehicles and trucks (defined for this memorandum as Federal Highway Administration [FHWA] Type 2 or 3 vehicles with a trailer or Types 4-13 including pickup with trailer, bus, RV, tractor/trailer, or tractor only); a building containing flush toilets and sinks with running water; picnic areas; and other amenities. Truck parking areas generally provide open parking for passenger vehicles and trucks, and vault toilets without running water. Sites are further distinguished by the entity responsible for construction, operation, and maintenance. MDT is responsible for statemaintained rest areas, communities are responsible for city park rest areas, and other entities (such as federal/state agencies) maintain rest areas and truck parking areas classified as other sites.

Table 1.1 lists rest areas and truck parking areas within Montana. Tables in the following sections list varying numbers of sites. Some site evaluation elements include the total number of statemaintained rest areas counting directional east/west and north/south sites as separate facilities, for a total of 49 sites. In other cases, two directional facilities were counted as a single site, resulting in a total of 35 state-maintained rest areas. The network spacing analysis (discussed in Chapter 3.0) includes consideration of city park rest areas, other rest areas, and truck parking areas, resulting in a larger total number of sites.

Table 1.1Montana Rest Areas and Truck Parking Areas

	State-maintained Rest Areas				State-maintained Truck Parking Areas		City Park Rest Areas		Other Sites
1	Anaconda Rest Area	26	Greycliff (East) Rest Area	1	Alberton (East) Parking Area	1	Big Sandy City Park Rest Area	1	Choteau Rest Area
2	Armington Junction Rest Area	27	Greycliff (West) Rest Area	2	Alberton (West) Parking Area	2	Chester City Park Rest Area	2	Lolo Pass Rest Area
3	Bad Route Rest Area	28	Hardin (East) Rest Area	3	Barretts Parking Area	3	Cut Bank City Park Rest Area	3	Ravalli Hill (North) Parking Area
4	Bearmouth (East) Rest Area	29	Hardin (West) Rest Area	4	Dupuyer Parking Area	4	Ennis City Park Rest Area	4	Ravalli Hill (South) Parking Area
5	Bearmouth (West) Rest Area	30	Harlowton Rest Area	5	Homestake Pass (East) Parking Area	5	Lewistown City Park Rest Area	5	West Yellowstone Rest Area
6	Bozeman Rest Area	31	Hathaway (East) Rest Area	6	Homestake Pass (West) Parking Area	6	Malta City Park Rest Area		
7	Bridger Rest Area	32	Hathaway (West) Rest Area	7	Livingston (East) Parking Area	7	Plentywood City Park Rest Area		
8	Broadus Rest Area	33	Hysham (East) Rest Area	8	Locate Parking Area	8	Roundup City Park Rest Area		
9	Clearwater Junction Rest Area	34	Hysham (West) Rest Area	9	Lyons Creek (North) Parking Area	9	Twin Bridges City Park Rest Area		
10	Columbus (East) Rest Area	35	Jefferson City (North) Rest Area	10	Lyons Creek (South) Parking Area	10	Whitefish City Park Rest Area		
11	Columbus (West) Rest Area	36	Jefferson City (South) Rest Area	11	Red Rock (North) Parking Area				
12	Conrad Rest Area	37	Lima Rest Area	12	Red Rock (South) Parking Area				
13	Culbertson Rest Area	38	Lost Trail Pass Rest Area	13	Rock Creek (East) Parking Area				
14	Custer (East) Rest Area	39	Mosby Rest Area	14	Rock Creek (West) Parking Area				
15	Custer (West) Rest Area	40	Quartz Flats (East) Rest Area	15	Vista Point Parking Area				
16	Dearborn (North) Rest Area	41	Quartz Flats (West) Rest Area						
17	Dearborn (South) Rest Area	42	Raynolds Pass Rest Area						
18	Dena Mora (East) Rest Area	43	Roberts Rest Area						
19	Dena Mora (West) Rest Area	44	Sweet Grass Rest Area						
20	Divide (North) Rest Area	45	Teton River (North) Rest Area						
21	Divide (South) Rest Area	46	Teton River (South) Rest Area						
22	Emigrant Rest Area	47	Troy Rest Area						
23	Flowing Wells Rest Area	48	Vandalia Rest Area						
24	Gold Creek (East) Rest Area*	49	Wibaux Rest Area						
25	Gold Creek (West) Rest Area*								

Source: MDT, 2018. City park rest areas and other sites are not included in the health index scoring. MDT could consider including these facilities in the future.

Note: The Rest Area Use: Data Acquisition and Usage Estimation Report (2011) prepared by the Western Transportation Institute (WTI) evaluated 44 state-maintained rest areas, not including Conrad, Dearborn North and South, Harlowton, and Lima. These rest areas were constructed/reconstructed from 2010-2012, overlapping with the WTI report publication date.

*Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

2.0 Step 1: Site Evaluation

In coordination with MDT, DOWL developed a health index scoring methodology to assess the adequacy and availability of services at state-maintained rest areas and truck parking areas. At rest area sites, the scoring system considers pavement and parking spaces, site features, structural elements, water, wastewater, and amenities at each rest area site. Scoring ranges from 0 points to 100 points, with a higher score indicating a better facility. For truck parking areas, the scoring system considers pavement, site, water system, and vaulted toilets, with total scores ranging up to 22 points reflecting the lower number of scored elements. The total number of possible points listed in Tables 2.1 and 2.2 indicate the relative importance of each scoring category. For example, water and wastewater systems are critical elements for rest area function and are collectively weighted more heavily than picnic areas. Demand calculations developed as part of the health index scoring methodology are intended for relative statewide comparison and planning purposes only and should not be used as direct inputs for design.

DOWL collected data in April 2017, October 2017, March 2018, and May 2018 to assess the presence and/or condition of parking stalls, exterior and interior lighting, restroom fixtures and stalls, floors, paint, roofing, siding, facility ventilation, water and wastewater systems, landscaping, picnic areas, pavement and sidewalks, signage, exterior waste receptacles at each site where applicable. Using a qualitative scale, DOWL rated elements as excellent, good, fair, or poor according to objective rating definitions and assigned numeric health index scoring (provided in Attachment 2).

DOWL also collected information about the presence of site amenities, such as highway maps, display cases, interpretive signs/historical markers, drinking fountains, interactive monitors, pet areas, playground areas, seating, security features, vending machines, trails, and wireless internet availability, where available. Scoring for the amenities category is based on this data.

In addition to visual observations from site visits, water and wastewater assessments reflect a variety of data sources including source water delineation and assessment reports, maintenance division questionnaires, and correspondence with maintenance personnel. In addition, DOWL accessed several online databases to collect information, including the Montana Bureau of Mines and Geology (MBMG) Ground-Water Information Center (GWIC), Montana Department of Environmental Quality (DEQ) Public Water Supply Reports, United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Soils Data, Montana Department of Natural Resources and Conservation (DNRC) Water Rights Bureau, and the Montana Natural Resource Information System (NRIS).

Section 2.1 presents calculated scoring elements.

Table 2.1Health Index Point Values – Rest Areas

Element			Point Values			
			Excellent	Good	Fair	Poor
	Passeng	er Vehicle Parking Stalls	7.0	4.7	2.3	0.0
	Truck Pa	arking Stalls	7.0	4.7	2.3	0.0
Doubling 9	Drainag	e Condition	1.0	0.7	0.3	0.0
Parking &	Paveme	ent Condition	1.0	0.7	0.3	0.0
Pavement	Paveme	ent Striping Quality	1.0	0.7	0.3	0.0
	Remain	ing Service Life	2.0	1.3	0.7	0.0
	SUBTO	ΓAL	19.0	12.7	6.3	0.0
	Exterior	Lighting	2.0	1.3	0.7	0.0
	Landsca	iping/Lawn Areas	1.0	0.7	0.3	0.0
	Picnic A	reas	1.0	0.7	0.3	0.0
Site	Sidewal	ks	2.0	1.3	0.7	0.0
	Site Sig	nage	1.0	0.7	0.3	0.0
	Exterior	· Waste Receptacles	1.0	0.7	0.3	0.0
	SUBTO	ΓAL	8.0	5.3	2.7	0.0
	Facility	Ventilation	2.0	-	-	0.0
	Floor Co	ondition	1.0	0.7	0.3	0.0
	Interior	Lighting	2.0	1.3	0.7	0.0
	Paint		1.0	0.7	0.3	0.0
Structure	Remain	ing Service Life	2.0	1.3	0.7	0.0
Structure	Restroo	m Plumbing Fixtures	2.0	1.3	0.7	0.0
	Restroo	m Stalls	5.0	3.3	1.7	0.0
	Roofing		2.0	1.3	0.7	0.0
	Siding		2.0	1.3	0.7	0.0
	SUBTO	ſAL	19.0	11.3	5.7	0.0
	Municip	pal System	26.0	-	-	-
	٦	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0
	stei	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0
Water	S	Operation & Maintenance	6.0	-	3.0	0.0
water	Site	Backflow Prevention	1.0	-	-	0.0
	u-9	Source Quality (Transient Non-Community Standards)	5.0	3.3	1.7	0.0
	0	Remaining Service Life	5.0	3.3	1.7	0.0
	SUBTO	ΓAL	26.0	12.7	9.3	0.0
	Municip	pal System	24.0	-	-	-
		Treatment System	4.0	2.7	1.3	0.0
	ite em	Wastewater Design Flow	6.0	4.0	2.0	0.0
Wastewater	n-S /ste	Operation & Maintenance	5.0	2.5	-	0.0
	O Ś	Site Constraints	3.0	2.0	1.0	0.0
		Remaining Service Life	6.0	4.0	2.0	0.0
	SUBTO	TAL	24.0	15.2	6.3	0.0
Amenities	Numbe	r of Amenities	4.0	2.7	1.3	0.0
Amenicies	SUBTO	TAL	4.0	2.7	1.3	0.0
TOTAL			100.0	59.8	31.7	0.0

Source: DOWL, 2018. Higher scores indicate better facilities in terms of site condition and adequacy to meet demand.

Element	Point Values			
		Good	Fair	Poor
	Drainage Condition	1.0	0.5	0.0
Dovomont	Pavement Condition	1.0	0.5	0.0
Pavement	Pavement Striping Quality	1.0	0.5	0.0
	SUBTOTAL	3.0	1.5	0.0
	Exterior Lighting	2.0	1.0	0.0
	Landscaping/Lawn Areas	1.0	0.5	0.0
	Picnic Areas	1.0	0.5	0.0
Site	Sidewalks	2.0	1.0	0.0
	Site Signage	1.0	0.5	0.0
	Exterior Waste Receptacles	1.0	0.5	0.0
	SUBTOTAL	8.0	4.0	0.0
Water System	Operation & Maintenance	6.0	3.0	-
water system	SUBTOTAL	6.0	3.0	0.0
Vaulted Tailate	Operation & Maintenance	5.0	2.5	0.0
vaulteu Tollets	SUBTOTAL	5.0	2.5	0.0
TOTAL		22.0	11.0	0.0

Table 2.2Health Index Point Values – Truck Parking Areas

Source: DOWL, 2019. Higher scores indicate better facilities in terms of site condition.

2.1 Calculated Scoring Elements

2.1.1 Rest Area Age and Remaining Service Life for Pavement and Structures

State-maintained rest areas range in age from new construction to more than 50 years old, with 3 to 12 rest areas constructed/rehabilitated in each decade from 1960 through 2018. Table 2.3 and 2.4 and Attachment 4 list approximate year of original construction or most recent reconstruction/major rehabilitation, year of pavement rehabilitation, structure age, and pavement age.

Table 2.3Rest Area Age – Structure

State-maintained Rest Areas (Structure Only)										
Res (Al	st Area phabetical)	Year of Construction/ Reconstruction	Age in 2018 (Years)	Re: (In	st Area Order of Oldest to Newest)	Year of Construction/ Reconstruction	Age in 2018 (Years)			
1	Anaconda Rest Area	2008	10	1	Hathaway Rest Area	1963	55			
2	Armington Junction Rest Area	1967	51	2	Armington Junction Rest Area	1967	51			
3	Bad Route Rest Area	1973	45	3	Quartz Flats Rest Area	1967	51			
4	Bearmouth Rest Area	2014	4	4	Vandalia Rest Area	1967	51			
5	Bozeman Rest Area	2000	18	5	Roberts Rest Area	1968	50			
6	Bridger Rest Area	1989	29	6	Hardin Rest Area	1972	46			
7	Broadus Rest Area	1987	31	7	Jefferson City Rest Area	1972	46			
8	Clearwater Junction Rest Area	1999	19	8	Bad Route Rest Area	1973	45			
9	Columbus Rest Area	2016	2	9	Gold Creek Rest Area*	1973	45			
10	Conrad Rest Area	2012	6	10	Custer Rest Area	1975	43			

State-maintained Rest Areas (Structure Only)										
Rest Area (Alphabetical)	Year of Age in Construction/ 2018 Reconstruction (Years)		Re: (In	st Area Order of Oldest to Newest)	Year of Construction/ Reconstruction	Age in 2018 (Years)				
11 Culbertson Rest Area	1998	20	11	Broadus Rest Area	1987	31				
12 Custer Rest Area	1975	43	12	Bridger Rest Area	1989	29				
13 Dearborn Rest Area	2012	6	13	Emigrant Rest Area	1989	29				
14 Dena Mora Rest Area	2013	5	14	Troy Rest Area	1991	27				
15 Divide Rest Area	2015	3	15	Culbertson Rest Area	1998	20				
16 Emigrant Rest Area	1989	29	16	Wibaux Rest Area	1998	20				
17 Flowing Wells Rest Area	2014	4	17	Clearwater Junction Rest Area	1999	19				
18 Gold Creek Rest Area*	1973	45	18	Bozeman Rest Area	2000	18				
19 Greycliff Rest Area	2013	5	19	Lost Trail Pass Rest Area	2001	17				
20 Hardin Rest Area	1972	46	20	Sweet Grass Rest Area	2002	16				
21 Harlowton Rest Area	2012	6	21	Mosby Rest Area	2005	13				
22 Hathaway Rest Area	1963	55	22	Anaconda Rest Area	2008	10				
23 Hysham Rest Area	2018	0	23	Lima Rest Area	2010	8				
24 Jefferson City Rest Area	1972	46	24	Conrad Rest Area	2012	6				
25 Lima Rest Area	2010	8	25	Dearborn Rest Area	2012	6				
26 Lost Trail Pass Rest Area	2001	17	26	Harlowton Rest Area	2012	6				
27 Mosby Rest Area	2005	13	27	Dena Mora Rest Area	2013	5				
28 Quartz Flats Rest Area	1967	51	28	Greycliff Rest Area	2013	5				
29 Raynolds Pass Rest Area	2015	3	29	Bearmouth Rest Area	2014	4				
30 Roberts Rest Area	1968	50	30	Flowing Wells Rest Area	2014	4				
31 Sweet Grass Rest Area	2002	16	31	Teton River Rest Area	2014	4				
32 Teton River Rest Area	2014	4	32	Divide Rest Area	2015	3				
33 Troy Rest Area	1991	27	33	Raynolds Pass Rest Area	2015	3				
34 Vandalia Rest Area	1967	51	34	Columbus Rest Area	2016	2				
35 Wibaux	1998	20	35	Hysham Rest Area	2018	0				

Source: MDT 2018. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

Table 2.4Rest Area Age – Pavement

	State-maintained Rest Areas (Pavement Only)											
Re (A	st Area phabetical)	Year of Construction/ Reconstruction	Age in 2018 (Years)	Re: (In	st Area Order of Oldest to Newest)	Year of Construction/ Reconstruction	Age in 2018 (Years)					
1	Anaconda Rest Area	2008	10	1	Armington Junction Rest Area	1998	20					
2	Armington Junction Rest Area	1998	20	2	Bad Route Rest Area	1998	20					
3	Bad Route Rest Area	1998	20	3	Culbertson Rest Area	1998	20					
4	Bearmouth Rest Area	2014	4	4	Gold Creek Rest Area*	1998	20					
5	Bozeman Rest Area	2000	18	5	Hathaway Rest Area	1998	20					
6	Bridger Rest Area	2005	13	6	Jefferson City Rest Area	1998	20					

		State-maintain	ed Rest /	Area	is (Pavement Only)		
Res (Alp	t Area bhabetical)	Year of Construction/ Reconstruction	Age in 2018 (Years)	Res (In	st Area Order of Oldest to Newest)	Year of Construction/ Reconstruction	Age in 2018 (Years)
7	Broadus Rest Area	2004	14	7	Roberts Rest Area	1998	20
8	Clearwater Junction Rest Area	2005	13	8	Troy Rest Area	1998	20
9	Columbus Rest Area	2016	2	9	Vandalia Rest Area	1998	20
10	Conrad Rest Area	2012	6	10	Bozeman Rest Area	2000	18
11	Culbertson Rest Area	1998	20	11	Lost Trail Pass Rest Area	2001	17
12	Custer Rest Area	2010	8	12	Sweet Grass Rest Area	2002	16
13	Dearborn Rest Area	2012	6	13	Broadus Rest Area	2004	14
14	Dena Mora Rest Area	2004	14	14	Dena Mora Rest Area	2004	14
15	Divide Rest Area	2015	3	15	Bridger Rest Area	2005	13
16	Emigrant Rest Area	2017	1	16	Clearwater Junction Rest Area	2005	13
17	Flowing Wells Rest Area	2014	4	17	Mosby Rest Area	2005	13
18	Gold Creek Rest Area*	1998	20	18	Anaconda Rest Area	2008	10
19	Greycliff Rest Area	2013	5	19	Hardin Rest Area	2009	9
20	Hardin Rest Area	2009	9	20	Wibaux Rest Area	2009	9
21	Harlowton Rest Area	2012	6	21	Custer Rest Area	2010	8
22	Hathaway Rest Area	1998	20	22	Lima Rest Area	2010	8
23	Hysham Rest Area	2018	0	23	Conrad Rest Area	2012	6
24	lefferson City Rest Area	1998	20	24	Dearborn Rest Area	2012	6
25	Lima Rest Area	2010	8	25	Harlowton Rest Area	2012	6
26	Lost Trail Pass Rest Area	2001	17	26	Greycliff Rest Area	2013	5
27	Mosby Rest Area	2005	13	27	Bearmouth Rest Area	2014	4
28	Quartz Flats Rest Area	2016	2	28	Flowing Wells Rest Area	2014	4
29	Raynolds Pass Rest Area	2015	3	29	Teton River Rest Area	2014	4
30	Roberts Rest Area	1998	20	30	Divide Rest Area	2015	3
31	Sweet Grass Rest Area	2002	16	31	Raynolds Pass Rest Area	2015	3
32	Teton River Rest Area	2014	4	32	Columbus Rest Area	2016	2
33	Troy Rest Area	1998	20	33	Quartz Flats Rest Area	2016	2
34	Vandalia Rest Area	1998	20	34	Emigrant Rest Area	2017	1
35	Wibaux Rest Area	2009	9	35	Hysham Rest Area	2018	0

Source: MDT 2018. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

For pavement and structure elements at rest areas, the remaining service life was calculated as the difference between the design life and the age of the facility. A design life of 20 years was used for pavement and a design life of 50 years was used for rest area buildings. Water and wastewater service life is discussed in later sections.

MDT does not maintain similar records for truck parking areas, and therefore remaining design life for pavement and vaulted toilets was not assessed.

2.1.2 Parking/Restroom Stall Demand – Rest Areas (WTI Report)

The American Association of State Highway and Transportation Officials (AASHTO) *Guide for Development of Rest Areas on Major Arterials and Freeways* (1999) provides recommendations for estimating rest area usage based on national trends. MDT conducted a research project with the Western Transportation Institute (WTI) to develop guidelines that more accurately reflect conditions specific to Montana. The project concluded in completion of the *Rest Area Use: Data Acquisition and Usage Estimation Report* (2011). The goal of the WTI report was to investigate some of the variables thought to affect rest area usage and identify patterns at select study sites for application at all state-maintained rest areas in the absence of site-specific data. WTI noted variables such as trip length, trip purpose, and traffic composition (e.g., local versus non-local drivers) were not studied, and may affect rest area usage.¹

Equation 1 identifies WTI variables used for estimating the recommended number of passenger vehicle (car) and truck parking spaces.

Equation 1 Parking Spaces – WTI Report

Nc or Nt =
$$\frac{PHV*P*Dc\% \text{ or } Dt\%*PF*VHSc \text{ or } VHSt}{UCF}$$

- N_c = Number of parking spaces for cars (passenger vehicles)
- Nt = Number of parking spaces for trucks
- PHV = Peak hour volume (mainline)
- P = Proportion of mainline traffic stopping at rest area
- D_{c%} = Percentage of cars (passenger vehicles) in the mainline traffic stream during daytime/nighttime periods
- D_{t%} = Percentage of trucks in the mainline traffic stream during daytime/nighttime periods
- PF = Peak factor (ratio of average-day usage during the five peak summer months compared with the average over the entire year)
- VHS_c = Average dwell time for cars (passenger vehicles) in minutes
- VHS_t = Average dwell time for trucks in minutes
- UCF = Unit conversion factor = 60 (60 minutes/hour)

Equation 2 identifies the variables used by WTI for estimating the recommended number of restroom stalls.

¹ WTI, page 2.

Equation 2 Restroom Stalls – WTI Report

$$T = \frac{UV*PF*D2}{UHS}$$

- T = Number of restroom stalls
- UV = Restroom users per vehicle
- PF = Peak factor (ratio of average-day usage during the five peak summer months compared with the average day usage over the entire year)
- D₂ = Total vehicles stopping at rest area during peak hour
- UHS = Users per hour per restroom stall, based on a two-minute cycle = 30

The following sections discuss WTI methods and recommendations for calculating rest area parking and restroom stall usage.

<u> Peak Hour Volume (PHV)</u>

The peak hour volume (PHV) refers to the highest hourly mainline volume occurring during daytime and nighttime periods. WTI defines daytime as the period from 9:00 a.m. to 4:00 p.m., and nighttime as the period from midnight to 6:00 a.m. MDT supplied hourly mainline counts to WTI for their analysis.

WTI focused on the industry-standard peak hour as the analysis period in order to identify parking and restroom facilities needed during the time of highest demand during the day.

Proportion of Mainline Traffic Stopping at Rest Area (P)

WTI collected daily vehicular traffic counts and classification data for vehicles entering nearly all state-maintained rest areas (defined as coverage stations) using portable traffic counters with pneumatic tubes at rest area entrance ramps. WTI used these site-specific short-term counts, along with hourly and daily mainline counts provided by MDT, to estimate the percentage of vehicles leaving the mainline to stop at rest areas. WTI grouped the results of their investigation according to adjacent highway type (including high- and low-volume interstate facilities and high- and low-volume arterials) and statistical percentiles.

WTI Guideline #1 notes a reasonable estimation for the proportion of mainline traffic stopping at rest areas on interstate highways and rural arterials is 16 percent and 25 percent, respectively, which corresponds to the 85th percentile stopping percentage for the two facility types during the daytime period.

WTI performed linear regression modeling in an attempt to identify correlations between rest area usage as a percentage of mainline traffic volumes and characteristics such as proximity to upstream/downstream cities and rest area condition. In their report, WTI noted "no model was

viewed to be strong enough to warrant being employed by MDT to estimate rest area usage."² This reinforces the site-specific nature of stopping patterns at each rest area.

WTI documented varied stopping percentages at each rest area, ranging from zero percent to 100 percent of mainline traffic volumes depending on the time period and type of highway facility.³ The WTI-recommended P values are appropriate for rural rest areas with mainline stopping percentages near the 85th percentile. They may not accurately reflect conditions for rest areas with more widely-varying mainline stopping percentages, especially for sites located near urban areas or adjacent to low-volume roadways. Use of WTI-recommended P values at an individual rest area may underestimate or overestimate rest area usage, depending on site-specific deviation from 85th percentile results.

<u>Percentage of Cars/Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods</u> (<u>D_c%/D_t%)</u>

WTI studied mainline and rest area vehicular composition during daytime (9:00 a.m. to 4:00 p.m.) and nighttime (midnight to 6:00 a.m.) periods. They conducted an analysis at the Divide SB, Emigrant, and Greycliff EB rest areas (defined as control stations) by comparing the mainline percentage of trucks for the entire day to the daytime and nighttime truck percentage.

WTI found that the percentage of trucks during the daytime period was less than the average annual daily mainline truck percentage, while the truck percentage increased significantly during nighttime hours.⁴ WTI's findings reflect that the percentage of trucks in the traffic stream changes over the course of a day. It is important to account for these changes in traffic composition to adequately serve trucks during peak periods of use.

WTI Guideline #3 notes it is reasonable to assume the percentage of trucks during the daytime and nighttime periods is equivalent to 70 percent and 200 percent, respectively, of the daily truck percentage for the mainline served by the rest area. This guideline corresponds roughly to the Emigrant daytime/nighttime ratios, which were the highest ratios of the three control stations WTI studied. Daytime ratios for Divide SB and Greycliff EB were closer to 60 percent, while nighttime ratios for these two sites were closer to 160 percent. It is unknown if truck percentage data for the three control stations is representative of all state-maintained rest areas.

<u> Peak Factor (PF)</u>

The peak factor is defined as the ratio of the average day usage during the five summer months of peak usage compared with the average day usage over the entire year. It is not clear from AASHTO or WTI reports if this ratio refers to characteristics of mainline traffic volumes, or to volumes stopping at a rest area. The WTI report recommends using the AASHTO PF value of 1.8 for calculating usage at all Montana rest areas. Applying the PF value provides a more

² WTI, page 116.

³ WTI, Table 5-1, page 117, and Table 5-2, page 118.

⁴ WTI, Table 5-5, page 121.

conservative (i.e., larger) estimation of usage and allows MDT to design rest areas to serve higher summertime demand (compared to lower demand averaged over the year). Although not specified in the WTI report, DOWL assumes WTI used annualized PHVs (i.e., hourly volumes adjusted using MDT seasonal adjustment factors) in order to uniformly apply the PF variable.

Average Dwell Time (VHS)

WTI performed statistical analysis on dwell times by vehicle type, parking duration, daytime/nighttime periods, and daily/weekly variation at the Greycliff Eastbound (EB), Divide Southbound (SB), and Clearwater Junction control stations. Greycliff EB and Divide SB are located adjacent to interstate highways, while Clearwater Junction is located adjacent to a rural principal arterial highway. Table 2.5 lists the average dwell time by vehicle type during the daytime and nighttime at the three control stations WTI studied.

Location	Highway Type	ΔΔΩΤ	Vehicle Type	Average Dwell Time (Minutes)			
Location	ingiway type		venicie rype	Day	Night		
Croucliff ED	Interstate	7 920	Cars	11	74		
Greyciiii EB	(Higher Volume)	7,850	Trucks	34	188		
Divido SP	Interstate	2 600	Cars	11	50		
Divide 3B	(Lower Volume)	5,000	Trucks	38	202		
Clearwater	Rural Principal	2 5 80	Cars	10	22		
Junction	nction Arterial 2,580		Trucks	25	96		

Table 2.5Average Dwell Time

Source: WTI, 2011. Note: Average dwell times are rounded to the nearest minute. Higher volume interstate characteristics were used for rest areas with adjacent 2010/2011 AADT volumes greater than 5,000. AADT volumes reflect sum of both directions of travel.

In some cases, WTI found that average dwell times extended beyond a single peak hour. These longer dwell times indicate vehicles occupy parking spaces before the beginning of the peak hour and/or remain after the end of the peak hour. Accordingly, in WTI's parking stall equation, longer dwell times result in higher calculated demand for parking spaces.

The WTI report noted that the three control stations were "considered typical of other rest areas serving similar highway facilities and locales and thus could be considered generally representative of other rest areas in the state."⁵ Conversely, the report identified a high standard deviation for dwell times at each rest area (often double or triple the mean dwell time). A high standard deviation indicates high variability in visitation duration at each rest area.

Restroom Users per Vehicle (UV)

WTI studied traffic data and door count data at the Divide SB, Greycliff EB, Bridger, and Emigrant control stations to estimate the number of rest area patrons per vehicle. Results ranged from 1.35 patrons per vehicle at Greycliff EB to 1.78 patrons per vehicle at Emigrant.

⁵ WTI, page 99.

WTI Guideline #9 notes a rate of 1.5 restroom users per vehicle may be used to estimate the number of patrons using the rest area building.

2.1.3 Parking/Restroom Stall Demand – Rest Areas (Health Index)

At the time of the 2014 Rest Area Plan Update, DOWL initially applied the WTI guidelines outlined in Section 2.1.2 at all state-maintained rest areas to calculate the recommended number of parking and restroom stalls. This effort yielded results that appeared overly conservative, including recommendations for double or triple the number of existing parking stalls based on current year volumes for some locations.

The WTI report relied on average values, 85th percentile data, and site-specific data at only three to four control stations in developing recommendations for statewide rest area usage calculations. Conditions at individual rest areas may vary widely from WTI-recommended values.

In coordination with MDT, DOWL modified the methodology outlined in the WTI report by substituting site-specific door count data (where available) in place of WTI-recommended P values to identify peak-hour visitation at state-maintained rest areas. At MDT's direction, DOWL also eliminated the PF value and, where available, used 90th percentile door count data (reflecting the value at which 90% of the data points are smaller and 10% are larger). Equation 3 identifies the variables DOWL used to estimate the recommended number of passenger vehicle (car) and truck parking spaces.

Equation 3 Parking Spaces – Health Index Calculations with Door Count Data

Nc or Nt =
$$\frac{\frac{PHV*\frac{\binom{PDD}{2}}{UV}}{AADT}*Dc\% \text{ or } Dt\%*VHSc \text{ or } VHSt}{UCF}$$

- N_c = Number of parking spaces for cars (passenger vehicles)
- Nt = Number of parking spaces for trucks
- PHV = Peak hour volume (mainline)
- PDD = 90th percentile daily door count (or 2011 Average Summer Daily Door Count [ASDD], if 2016 data unavailable)
- UV = Restroom users per vehicle
- AADT= Average annual daily traffic (mainline)
- D_{c%} = Percentage of cars (passenger vehicles) in the mainline traffic stream during daytime/nighttime periods
- D_{t%} = Percentage of trucks in the mainline traffic stream during daytime/nighttime periods
- VHS_c = Average dwell time for cars (passenger vehicles) in minutes
- VHS_t = Average dwell time for trucks in minutes
- UCF = Unit conversion factor = 60 (60 minutes/hour)

Equation 4 (with WTI-recommended P values and without the PF value) was used to estimate parking needs at rest areas where door count data were not available.

Equation 4 Parking Stalls – Health Index Calculations without Door Count Data

Nc or Nt =
$$\frac{PHV*P*Dc\% \text{ or } Dt\%*VHSc \text{ or } VHSt}{UCF}$$

Equation 5 identifies the variables used to estimate the recommended number of restroom stalls.

Equation 5 Restroom Stalls – Health Index Calculations

$$T = \frac{UV*D2}{UHS}$$

T = Number of restroom stalls

UV = Restroom users per vehicle

D₂ = Total vehicles stopping at rest area during peak hour

UHS = Users per hour per restroom stall, based on a two-minute cycle = 30

The following sections discuss methods to calculate rest area parking and restroom stall usage. Data and calculations for each rest area are provided in Attachment 5.

Average Annual Daily Traffic (AADT) and Peak Hour Volume (PHV)

For the 2018 update, MDT provided 2016 average annual daily traffic (AADT) data and 2016 hourly traffic data from short-term count stations on mainline highway segments near each rest area. Attachment 5 provides 2016 AADT, daytime PHV, and nighttime PHV for each rest area.

Using hourly full detail weekly traffic volume data from count stations located near each statemaintained rest area, PHVs were identified as the highest hourly mainline volume occurring within the WTI-defined daytime and nighttime periods. Hourly full detail traffic volumes represent data collected on a single or multiple day(s) of the year assuming single-axle vehicles. DOWL converted 2016 PHVs collected by MDT at various times of the year to average annual PHVs using MDT seasonal and axle adjustment factors corresponding to volume collection time period (including day of the week and month of the year) and mainline highway type (Attachment 6).

MDT provided annual growth rates for each rest area site based on 20-year historic growth at nearby short-term traffic count sites. These annual growth rates were applied to current traffic volumes to calculate future 2036/2056 AADT volumes. Application of a static historic growth rate for a 20- to 40-year period is considered highly conservative, and likely produces an

overestimate of future demand. Attachment 5 provides growth rates and 2036/2056 AADT, daytime PHV, and nighttime PHV at each rest area.

In the absence of hourly rest area car and truck stopping patron data, daily and hourly mainline volumes were used to estimate rest area usage characteristics in the daytime and nighttime periods. Relationships between mainline volumes (such as the percentage of trucks in the traffic stream, and the peak hour percent of the daily total) are assumed to apply to rest area usage.

<u>Proportion of Mainline Traffic Stopping at Rest Area (P)/ 90th Percentile Daily Door and Patron</u> <u>Counts (PDD and PDP)</u>

MDT has installed door counters at most state-maintained rest areas that record each time a rest area door opens. For this technical memorandum, door count data provided by MDT replaced WTI-recommended P values. MDT elected to apply an estimate of 90th percentile usage based on 2016 door counts when available or an average of door counts from 2011 through 2017 where data was deficient. This methodology eliminates outlier conditions and reflects MDT intention to accommodate demand most days of the year.

Door count data provides a reasonable estimation of patrons using a rest area building during the course of a day; however, the data may not account for drivers or passengers that do not enter the building, or patrons holding the door for other parties. To improve accuracy of rest area usage calculations for future study, MDT could consider using technological innovations to determine peak hour patron volumes.

Daily door counts do not provide information about hourly usage patterns throughout a 24hour period, the types of vehicles occupying a parking lot, or the length of patron stay. In the absence of site-specific data, mainline volumes are still required to identify hourly breakouts and truck/car percentages.

Equation 6 identifies the variables used to calculate site-specific P values for rest areas using door count data.

Equation 6 Site-specific P Value – Health Index Calculations

$$P = \frac{[(PDD / 2) / UV]}{AADT}$$

- P = Proportion of mainline traffic stopping at rest area
- PDD = 2016 90th Percentile daily door count (or 2011 Average Summer Daily Door Count [ASDD], if 2016 data unavailable)
- 2 = Conversion from door count to people

UV = Users per vehicle (1.5)

AADT = Average annual daily traffic

Site-specific P values are based on the relationship between peak-day door count data over a one- to two-year period and average annual mainline traffic volumes for a single year. This provides a static estimate and may not be representative of usage characteristics as traffic volumes change over time.

For comparison purposes, average P values were calculated in 2014 for rest areas adjacent to interstate highways (P = 0.14) and arterial highways (P = 0.22) using door count data. These values are similar to WTI-recommended 85th percentile P values of 0.16 and 0.25, respectively. Use of average or 85th percentile P values is only recommended where site-specific data are unavailable. For this memorandum, WTI-recommended P values were used at state-maintained rest areas where door count data were not provided by MDT.

In the future, MDT could collect hourly volume and classification data at the entrance/exit ramps of each state-maintained rest area to improve demand calculation accuracy.

<u>Percentage of Cars/Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods</u> (<u>Dc%/Dt%</u>)

MDT supplied average annual daily vehicle class type volumes as a percentage of 2016 AADT. DOWL used types 1-3 to calculate percentage of cars ($D_{c\%}$) and types 4-13 to calculate percentage of trucks ($D_{t\%}$) within the overall traffic stream. Using these AADT truck volumes, DOWL calculated trucks as a percentage of mainline traffic. In the absence of site-specific data, WTI Guideline #3 was applied to adjust the percentage of trucks during the daytime and nighttime periods to 70 percent and 200 percent of the daily average, respectively. The percent of passenger vehicles was provided by MDT.

Peak Factor (PF)

Use of 90th percentile door count data for planning purposes eliminates the need to apply the PF value, which is intended to account for average day usage during the five summer months of peak usage. At MDT's direction, the PF value is not used in any calculations for this technical memorandum.

Average Dwell Time (VHS)

In the absence of site-specific data, WTI-recommended dwell times were used from the Greycliff EB, Divide SB, and Clearwater Junction control stations to estimate dwell times at all state-maintained rest areas according to adjacent highway types and volumes. MDT could collect site-specific dwell time data at all or at representative state-maintained rest areas to improve demand calculation accuracy.

Restroom Users per Vehicle (UV)

In the absence of site-specific data, the WTI-recommended value of 1.5 users per vehicle was used for the UV factor. MDT could collect site-specific UV data at all or at representative statemaintained rest areas to improve demand calculation accuracy.

Summary of Parking Stall Deficiencies

Parking stall deficiencies were calculated as the difference between the current available parking supply noted in the site evaluation forms and anticipated existing and future demand using methods described in Section 2.1.3. ADA parking stalls were not included in the passenger vehicle supply count.

Tables 2.6 and 2.7 list existing (2016) and anticipated future (2036) passenger vehicle and truck parking deficiencies/surpluses at each rest area. The listed order varies in each year due to variable growth rates for mainline traffic volumes at each rest area.

Based on this analysis, no state-maintained rest areas are currently unable to meet passenger vehicle parking stall demand based on 90th percentile patron door counts or the WTI methodology. By 2036, one state-maintained rest areas will fail to meet passenger vehicle parking stall demand, with a deficiency of two parking stalls.

Twenty-six state-maintained rest areas are currently unable to meet truck parking stall demand, with deficiencies ranging from one stall to 29 parking stalls. By 2036, 29 state-maintained rest areas will fail to meet truck parking stall demand, with deficiencies ranging from one stall to 41 stalls.

Calculation deficiencies predict demand based on the assumptions and input variables noted in the methodology and should be interpreted as one factor for MDT consideration during the project development process for rest area rehabilitation and reconstruction projects. Other factors such as site-specific knowledge of demand, site constraints, and engineering judgment may lead to design and construction of a different number of parking spaces at a particular site.

Attachment 5 provides 2016 and 2036 parking stall demand calculations for each rest area.

	State-maintained Rest Areas										
Rest Area (Alphabetical)		Passenger Vehicle Parking Deficiency(-)/ Surplus(+)		Rest Area (In Order of Deficiency/Surplus)		Passenger Vehicle Parking Deficiency(-)/ Surplus(+)					
		2016	2036				2036				
1	Anaconda Rest Area	+14	+11	1	Jefferson City (South) Rest Area	0	-2				
2	Armington Junction Rest Area	+5	+3	2	Jefferson City (North) Rest Area	+2	0				
3	Bad Route Rest Area	+31	+28	3	Flowing Wells Rest Area	+3	+3				
4	Bearmouth (East) Rest Area	+44	+43	4	Hathaway (West) Rest Area	+4	+3				
5	Bearmouth (West) Rest Area	+40	+39	5	Mosby Rest Area	+4	+3				
6	Bozeman Rest Area	+19	+15	6	Armington Junction Rest Area	+5	+3				
7	Bridger Rest Area	+10	+9	7	Hathaway (East) Rest Area	+6	+5				
8	Broadus Rest Area	+7	+6	8	Roberts Rest Area	+6	+6				
9	Clearwater Junction Rest Area	+18	+16	9	Broadus Rest Area	+7	+6				
10	Columbus (East) Rest Area	+19	+11	10	Hardin (East) Rest Area	+7	+6				

Table 2.6Passenger Vehicle Parking (2016 and 2036)

	State-maintained Rest Areas									
		Pass	enger			Pass	enger			
			nicle			Vehicle				
Rest	t Area	Par	king	Rest	t Area	Parking				
(Alp	habetical)	Deficiency(-)/		(In C	(In Order of Deficiency/Surplus)		Deficiency(-)/			
	·	Surp	Surplus(+)				Surplus(+)			
		2016	2036			2016	2036			
11	Columbus (West) Rest Area	+19	+12	11	Hysham (East) Rest Area	+7	+3			
12	Conrad Rest Area	+28	+28	12	Hysham (West) Rest Area	+8	+4			
13	Culbertson Rest Area	+22	+21	13	Gold Creek (West) Rest Area*	+9	+7			
14	Custer (East) Rest Area	+11	+10	14	Hardin (West) Rest Area	+9	+8			
15	Custer (West) Rest Area	+13	+12	15	Bridger Rest Area	+10	+9			
16	Dearborn (North) Rest Area	+15	+15	16	Dena Mora (East) Rest Area	+10	+7			
17	Dearborn (South) Rest Area	+16	+15	17	Custer (East) Rest Area	+11	+10			
18	Dena Mora (East) Rest Area	+10	+7	18	Gold Creek (East) Rest Area*	+11	+10			
19	Dena Mora (West) Rest Area	+14	+11	19	Raynolds Pass Rest Area	+11	+9			
20	Divide (North) Rest Area	+13	+12	20	Sweet Grass Rest Area	+11	+10			
21	Divide (South) Rest Area	+13	+12	21	Vandalia Rest Area	+12	+12			
22	Emigrant Rest Area	+17	+16	22	Custer (West) Rest Area	+13	+12			
23	Flowing Wells Rest Area	+3	+3	23	Divide (North) Rest Area	+13	+12			
24	Gold Creek (East) Rest Area*	+11	+10	24	Divide (South) Rest Area	+13	+12			
25	Gold Creek (West) Rest Area*	+9	+7	25	Anaconda Rest Area	+14	+11			
26	Greycliff (East) Rest Area	+44	+41	26	Dena Mora (West) Rest Area	+14	+11			
27	Greycliff (West) Rest Area	+26	+24	27	Dearborn (North) Rest Area	+15	+15			
28	Hardin (East) Rest Area	+7	+6	28	Dearborn (South) Rest Area	+16	+15			
29	Hardin (West) Rest Area	+9	+8	29	Harlowton Rest Area	+16	+15			
30	Harlowton Rest Area	+16	+15	30	Teton River (North) Rest Area	+16	+16			
31	Hathaway (East) Rest Area	+6	+5	31	Emigrant Rest Area	+17	+16			
32	Hathaway (West) Rest Area	+4	+3	32	Clearwater Junction Rest Area	+18	+16			
33	Hysham (East) Rest Area	+7	+3	33	Lost Trail Pass Rest Area	+18	+17			
34	Hysham (West) Rest Area	+8	+4	34	Teton River (South) Rest Area	+18	+18			
35	Jefferson City (North) Rest Area	+2	+0	35	Wibaux Rest Area	+18	+14			
36	Jefferson City (South) Rest Area	+0	-2	36	Bozeman Rest Area	+19	+15			
37	Lima Rest Area	+22	+18	37	Columbus (East) Rest Area	+19	+11			
38	Lost Trail Pass Rest Area	+18	+17	38	Columbus (West) Rest Area	+19	+12			
39	Mosby Rest Area	+4	+3	39	Quartz Flats (East) Rest Area	+21	+20			
40	Quartz Flats (East) Rest Area	+21	+20	40	Quartz Flats (West) Rest Area	+21	+20			
41	Quartz Flats (West) Rest Area	+21	+20	41	Troy Rest Area	+21	+20			
42	Raynolds Pass Rest Area	+11	+9	42	Culbertson Rest Area	+22	+21			
43	Roberts Rest Area	+6	+6	43	Lima Rest Area	+22	+18			
44	Sweet Grass Rest Area	+11	+10	44	Greycliff (West) Rest Area	+26	+24			
45	Teton River (North) Rest Area	+16	+16	45	Conrad Rest Area	+28	+28			
46	Teton River (South) Rest Area	+18	+18	46	Bad Route Rest Area	+31	+28			
47	Troy Rest Area	+21	+20	47	Bearmouth (West) Rest Area	+40	+39			
48	Vandalia Rest Area	+12	+12	48	Bearmouth (East) Rest Area	+44	+43			
49	Wibaux	+18	+14	49	Greycliff (East) Rest Area	+44	+41			

Source: DOWL, 2018. Order of deficiency/surplus varies in each year due to variable growth rates for mainline traffic volumes at each rest area. Surplus/deficiency calculated from 90th percentile demand values. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

Table 2.7Truck Parking (2016 and 2036)

	State-maintained Rest Areas										
Res (Alp	Rest Area (Alphabetical)		Truck Parking Deficiency(-)/ Surplus(+)		Rest Area (In Order of Deficiency/Surplus)		Truck Parking Deficiency(-)/ Surplus(+)				
		2016	2036			2016	2036				
1	Anaconda Rest Area	-10	-17	1	Jefferson City (South) Rest Area	-29	-36				
2	Armington Junction Rest Area	+7	+7	2	Jefferson City (North) Rest Area	-25	-32				
3	Bad Route Rest Area	-3	-13	3	Gold Creek (West) Rest Area*	-20	-28				
4	Bearmouth (East) Rest Area	+2	-1	4	Hysham (West) Rest Area	-20	-41				
5	Bearmouth (West) Rest Area	+1	-4	5	Hysham (East) Rest Area	-17	-37				
6	Bozeman Rest Area	-11	-25	6	Quartz Flats (West) Rest Area	-17	-23				
7	Bridger Rest Area	+1	0	7	Quartz Flats (East) Rest Area	-15	-20				
8	Broadus Rest Area	+11	+10	8	Gold Creek (East) Rest Area*	-14	-20				
9	Clearwater Junction Rest Area	+9	+7	9	Wibaux Rest Area	-14	-26				
10	Columbus (East) Rest Area	-3	-23	10	Bozeman Rest Area	-11	-25				
11	Columbus (West) Rest Area	+15	-1	11	Anaconda Rest Area	-10	-17				
12	Conrad Rest Area	+11	+9	12	Dena Mora (East) Rest Area	-10	-17				
13	Culbertson Rest Area	+9	+8	13	Custer (West) Rest Area	-9	-17				
14	Custer (East) Rest Area	-8	-14	14	Custer (East) Rest Area	-8	-14				
15	Custer (West) Rest Area	-9	-17	15	Hardin (East) Rest Area	-5	-10				
16	Dearborn (North) Rest Area	+11	+8	16	Bad Route Rest Area	-3	-13				
17	Dearborn (South) Rest Area	+13	+10	17	Columbus (East) Rest Area	-3	-23				
18	Dena Mora (East) Rest Area	-10	-17	18	Dena Mora (West) Rest Area	-3	-8				
19	Dena Mora (West) Rest Area	-3	-8	19	Mosby Rest Area	-3	-7				
20	Divide (North) Rest Area	+7	+4	20	Sweet Grass Rest Area	-3	-7				
21	Divide (South) Rest Area	+3	+1	21	Greycliff (West) Rest Area	-2	-12				
22	Emigrant Rest Area	+6	+6	22	Hathaway (East) Rest Area	-2	-8				
23	Flowing Wells Rest Area	+3	+2	23	Greycliff (East) Rest Area	-1	-11				
24	Gold Creek (East) Rest Area*	-14	-20	24	Hardin (West) Rest Area	-1	-5				
25	Gold Creek (West) Rest Area*	-20	-28	25	Hathaway (West) Rest Area	-1	-8				
26	Greycliff (East) Rest Area	-1	-11	26	Lima Rest Area	-1	-9				
27	Greycliff (West) Rest Area	-2	-12	27	Bearmouth (West) Rest Area	+1	-4				
28	Hardin (East) Rest Area	-5	-10	28	Bridger Rest Area	+1	0				
29	Hardin (West) Rest Area	-1	-5	29	Vandalia Rest Area	+1	+1				
30	Harlowton Rest Area	+9	+8	30	Bearmouth (East) Rest Area	+2	-1				
31	Hathaway (East) Rest Area	-2	-8	31	Divide (South) Rest Area	+3	+1				
32	Hathaway (West) Rest Area	-1	-8	32	Flowing Wells Rest Area	+3	+2				
33	Hysham (East) Rest Area	-17	-37	33	Lost Trail Pass Rest Area	+4	+4				
34	Hysham (West) Rest Area	-20	-41	34	Roberts Rest Area	+4	+4				
35	Jefferson City (North) Rest Area	-25	-32	35	Teton River (North) Rest Area	+4	+3				
36	Jefferson City (South) Rest Area	-29	-36	36	Troy Rest Area	+4	+3				
37	Lima Rest Area	-1	-9	37	Teton River (South) Rest Area	+5	+4				
38	Lost Trail Pass Rest Area	+4	+4	38	Emigrant Rest Area	+6	+6				
39	Mosby Rest Area	-3	-7	39	Raynolds Pass Rest Area	+6	+3				
40	Quartz Flats (East) Rest Area	-15	-20	40	Armington Junction Rest Area	+7	+7				
41	Quartz Flats (West) Rest Area	-17	-23	41	Divide (North) Rest Area	+7	+4				
42	Raynolds Pass Rest Area	+6	+3	42	Clearwater Junction Rest Area	+9	+7				
43	Roberts Rest Area	+4	+4	43	Culbertson Rest Area	+9	+8				

	State-maintained Rest Areas											
Rest Area (Alphabetical)		Truck Parking Deficiency(-)/ Surplus(+)		Rest Area (In Order of Deficiency/Surplus)		Truck Parking Deficiency(-)/ Surplus(+)						
		2016	2036				2036					
44	Sweet Grass Rest Area	-3	-7	44	Harlowton Rest Area	+9	+8					
45	Teton River (North) Rest Area	+4	+3	45	Broadus Rest Area	+11	+10					
46	Teton River (South) Rest Area	+5	+4	46	Conrad Rest Area	+11	+9					
47	Troy Rest Area	+4	+3	47	Dearborn (North) Rest Area	+11	+8					
48	Vandalia Rest Area	+1	+1	48	Dearborn (South) Rest Area	+13	+10					
49	Wibaux	-14	-26	49	Columbus (West) Rest Area	+15	-1					

Source: DOWL, 2018. Order of deficiency/surplus varies in each year due to variable growth rates for mainline traffic volumes at each rest area. Surplus/deficiency calculated from 90th percentile demand values. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

Summary of Restroom Stall Deficiencies

DOWL calculated restroom stall deficiencies as the difference between the current restroom supply noted in the site evaluation forms and the anticipated existing demand or the anticipated future demand.

Table 2.8 lists the total existing (2016) and anticipated future (2036) restroom stall deficiencies/surpluses for men and women at each rest area. The listed order varies in each year due to variable growth rates for mainline traffic volumes at each rest area.

No state-maintained rest areas are currently unable to meet restroom stall demand. By 2036, only the Wibaux Rest Area will fail to meet restroom stall demand, with a deficiency of two stalls.

Attachment 5 provides calculated 2016 and 2036 restroom stall demand for each rest area.

	State-maintained Rest Areas										
		Тс	Total Restroom				otal				
		Rest				Restroom					
		St	tall			Stall Deficiency(-)/ Surplus(+)					
Rest	: Area	Deficie	ency(-)/	Rest	t Area						
(Alp	habetical)	Surp	lus(+)	(In C	Order of Deficiency/Surplus)						
		(Me	(Men and Women)			(Men and					
		Wo			Women)						
		2016	2036				2036				
1	Anaconda Rest Area	+6	+5	1	Wibaux Rest Area	0	-2				
2	Armington Junction Rest Area	+3	+3	2	Clearwater Junction Rest Area	+1	+1				
3	Bad Route Rest Area	+4	+3	3	Jefferson City (North) Rest Area	+1	0				
4	Bearmouth (East) Rest Area	+6	+6	4	Jefferson City (South) Rest Area	+1	0				
5	Bearmouth (West) Rest Area	+4	+4	5	Broadus Rest Area	+2	+2				
6	Bozeman Rest Area	+10	+8	6	Culbertson Rest Area	+2	+2				
7	Bridger Rest Area	+4	+4	7	Raynolds Pass Rest Area	+2	+2				
8	Broadus Rest Area	+2	+2	8	Roberts Rest Area	+2	+2				

Table 2.8Restroom Stalls (2016 and 2036)

	State-maintained Rest Areas									
		Тс	otal			Т	otal			
		Rest	room		Rest Area		troom			
		St	tall				Stall Deficiency(-)/			
Rest	: Area	Deficie	ency(-)/	Rest						
(Alp	habetical)	Surp	lus(+)	(In C	Order of Deficiency/Surplus)	Surplus(+)				
		(Men and					(Men and			
			men)			Women)				
		2016	2036			2016	2036			
9	Clearwater Junction Rest Area	+1	+1	9	Vandalia Rest Area	+2	+2			
10	Columbus (East) Rest Area	+3	+1	10	Armington Junction Rest Area	+3	+3			
11	Columbus (West) Rest Area	+4	+2	11	Columbus (East) Rest Area	+3	+1			
12	Conrad Rest Area	+6	+6	12	Dena Mora (East) Rest Area	+3	+2			
13	Culbertson Rest Area	+2	+2	13	Gold Creek (East) Rest Area*	+3	+2			
14	Custer (East) Rest Area	+4	+4	14	Gold Creek (West) Rest Area*	+3	+2			
15	Custer (West) Rest Area	+4	+4	15	Bad Route Rest Area	+4	+3			
16	Dearborn (North) Rest Area	+6	+6	16	Bearmouth (West) Rest Area	+4	+4			
17	Dearborn (South) Rest Area	+6	+6	17	Bridger Rest Area	+4	+4			
18	Dena Mora (East) Rest Area	+3	+2	18	Columbus (West) Rest Area	+4	+2			
19	Dena Mora (West) Rest Area	+4	+4	19	Custer (East) Rest Area	+4	+4			
20	Divide (North) Rest Area	+4	+4	20	Custer (West) Rest Area	+4	+4			
21	Divide (South) Rest Area	+4	+4	21	Dena Mora (West) Rest Area	+4	+4			
22	Emigrant Rest Area	+4	+4	22	Divide (North) Rest Area	+4	+4			
23	Flowing Wells Rest Area	+4	+4	23	Divide (South) Rest Area	+4	+4			
24	Gold Creek (East) Rest Area*	+3	+2	24	Emigrant Rest Area	+4	+4			
25	Gold Creek (West) Rest Area*	+3	+2	25	Flowing Wells Rest Area	+4	+4			
26	Greycliff (East) Rest Area	+5	+4	26	Greycliff (West) Rest Area	+4	+3			
27	Greycliff (West) Rest Area	+4	+3	27	Hardin (East) Rest Area	+4	+3			
28	Hardin (East) Rest Area	+4	+3	28	Hardin (West) Rest Area	+4	+4			
29	Hardin (West) Rest Area	+4	+4	29	Hathaway (East) Rest Area	+4	+4			
30	Harlowton Rest Area	+6	+6	30	Hathaway (West) Rest Area	+4	+4			
31	Hathaway (East) Rest Area	+4	+4	31	Lost Trail Pass Rest Area	+4	+4			
32	Hathaway (West) Rest Area	+4	+4	32	Teton River (North) Rest Area	+4	+4			
33	Hysham (East) Rest Area	+5	+4	33	Teton River (South) Rest Area	+4	+4			
34	Hysham (West) Rest Area	+5	+4	34	Greycliff (East) Rest Area	+5	+4			
35	Jefferson City (North) Rest Area	+1	0	35	Hysham (East) Rest Area	+5	+4			
36	Jefferson City (South) Rest Area	+1	0	36	Hysham (West) Rest Area	+5	+4			
37	Lima Rest Area	+5	+4	37	Lima Rest Area	+5	+4			
38	Lost Trail Pass Rest Area	+4	+4	38	Troy Rest Area	+5	+5			
39	Mosby Rest Area	+6	+6	39	Anaconda Rest Area	+6	+5			
40	Quartz Flats (East) Rest Area	+6	+6	40	Bearmouth (East) Rest Area	+6	+6			
41	Quartz Flats (West) Rest Area	+6	+5	41	Conrad Rest Area	+6	+6			
42	Raynolds Pass Rest Area	+2	+2	42	Dearborn (North) Rest Area	+6	+6			
43	Roberts Rest Area	+2	+2	43	Dearborn (South) Rest Area	+6	+6			
44	Sweet Grass Rest Area	+6	+6	44	Harlowton Rest Area	+6	+6			
45	Teton River (North) Rest Area	+4	+4	45	Mosby Rest Area	+6	+6			
46	Teton River (South) Rest Area	+4	+4	46	Quartz Flats (East) Rest Area	+6	+6			
47	Troy Rest Area	+5	+5	47	Quartz Flats (West) Rest Area	+6	+5			
48	Vandalia Rest Area	+2	+2	48	Sweet Grass Rest Area	+6	+6			
49	Wibaux	0	-2	49	Bozeman Rest Area	+10	+8			

Source: DOWL, 2018. Order of deficiency/surplus varies in each year due to variable growth rates for mainline traffic volumes at each rest area. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

2.1.4 Parking/Restroom Stall Demand – Truck Parking Areas

No methodology exists for determining demand at truck parking areas. This report does not estimate demand for parking spots or vaulted toilets at truck parking areas.

2.1.5 Water System Evaluation- Rest Areas

Water system data was collected and reviewed from individual site visits, discussions with caretaker/maintenance personal, facility record and design documents, and a variety of additional sources for each rest area site. The health index scoring elements for water systems are discussed below.

<u>Municipal System</u>

Rest areas with water service provided from a municipal water source received the full allocation of points for the health index water element score and were not evaluated with any further criteria. The following state-maintained rest areas are connected to municipal water: Bozeman, Conrad, Culbertson, Harlowton, Lima, Sweet Grass, Teton River (North and South), and Wibaux. All remaining state-maintained rest areas are served by on-site wells, with the exception of Lost Trail Pass which is served by a spring. Rest areas served by on-site water systems were scored according to categories described in the following sections with a total of 26 possible points.

Source Capability to Meet Peak Daily Demand

Per DEQ Circular DEQ-3, "Standards for Small Water Systems," the water source capacity at each rest area must equal or exceed the design maximum day demand. Equation 7 identifies the variables used for estimating the peak daily domestic water usage.

Equation 7 Peak Daily Domestic Water Usage

$$PDDW = \frac{D_2 \times UV \times G}{UCF} + RO$$

PDDW = Peak daily domestic water demand in gallons per minute (gpm)

- D₂ = Total vehicles stopping at rest area during peak hour (based on 90th percentile of peak daily door counts, where available)
- UV = Restroom users per vehicle (1.5)
- G = Water usage per restroom user (See description below)
- RO = Reverse osmosis treatment unit reject water (gpm) (where applicable)
- UCF = Unit conversion factor = 60 (60 minutes per hour)

Water usage per restroom user (variable G) varies among rest areas. This value is specific to each site due to many factors, such as whether the site is equipped with low-flow versus higher flow plumbing fixtures. Historically, MDT used 1.5 gallons per restroom user as an estimate for water usage facility planning. At newer rest area facilities, MDT has observed that typical water usage has increased to approximately 2.5 gallons per restroom user. For this memorandum, estimated water usage design flow calculations (for year 2016) apply 1.5 gallons per restroom user for facilities constructed before 2012 and 2.5 gallons per restroom user for facilities constructed after 2012 (including Bearmouth, Columbus, Dearborn, Dena Mora, Divide, Flowing Wells, Greycliff, Hysham, Raynolds Pass, and Teton River). Additionally, 2.5 gallons per restroom user was applied for all facilities when estimating future wastewater design flows (years 2036 and 2056). For rest area final design, door count data in conjunction with water meter data should be examined to determine the actual water usage per user values.

In addition to domestic usage, water demand was also estimated for irrigation and RO treatment units, where applicable. Irrigation demand is estimated based on consumptive use estimates for plants within corresponding irrigation climatic areas per the Montana Irrigation Guide. Several assumptions were made regarding irrigation cycle time, delivery period for the irrigation volume, and system efficiencies to determine the estimated irrigation flow rate. An estimated irrigation area was determined using aerial photography. Although irrigation water is a component of the overall water demand, irrigation can be programmed to occur overnight or in the early morning hours such that timing of irrigation is offset from the peak daily domestic demand which likely occurs during the day. Estimated irrigation demands are provided for informational purposes only and are not included in the overall peak daily demand calculation shown in Equation 7.

The RO treatment process generates additional demand on the water system, as a significant percentage of the system inflow is lost as part of the reject stream. A conservative RO system treatment water recovery rate of 50 percent was utilized to estimate the RO treatment unit demand. For every two gallons of water sent to the RO system, one gallon is available for use and the second gallon is concentrated reject water sent to the wastewater system. Typically, only water to sinks and drinking fountains is routed through the RO treatment system. Demand for sinks and drinking fountains is estimated as a percentage of the total peak instantaneous demand discussed in later sections.

The total estimated peak daily demand is the sum of domestic usage and RO treatment unit water (where applicable). Detailed water demand calculations are provided in Attachment 7.

Source capacity was determined by well log information downloaded from the GWIC database, Source Water Delineation and Assessment Reports, or the best available data on existing well pumping rates. Pumping rate information was compared against the allowable pumping rate determined from queried water rights data. If water rights were not found within the DNRC database, an allowable pumping rate of 35 gpm was assumed as specified for exempt wells per DNRC. The estimated source capacity was determined to be the smaller flow rate of the exempt well pumping rate or allowable pumping rate per the water right and/or well log report. Health index scoring for this category was assigned based on the adequacy of the source to meet calculated existing and future peak daily demand. Of the 40 evaluated on-site water systems, 32 are categorized as excellent, one as fair, and seven received a poor designation. The poor designation indicates these sites are currently experiencing water quantity issues with domestic or irrigation flow rates.

Storage Capability to Meet Peak Instantaneous Demand

In addition to peak daily demand, water systems should also be evaluated for their capability to meet peak instantaneous demand. Peak instantaneous demand is determined from the fixture unit method, which involves determining the number of toilets, sinks, and drinking fountains in a rest area and assigning a fixture value to each. The summation of fixture units per facility is used to determine a peak instantaneous flow using what is called a Hunter curve. The premise of the Hunter curve is the more fixtures in a building, the less likely they will all be operating simultaneously. The peak instantaneous demand is higher than the peak daily demand.

For this memorandum, peak instantaneous demand was calculated based on the number of recommended restroom stalls per the method described in Section 2.1.3. Peak instantaneous demand would be reduced at several rest areas if MDT limits restroom stalls to a specified maximum number. The final number of restroom stalls should be addressed during the Phase I design process. Each stall is assigned a fixture unit value of five, which represents the fixture unit value for one water closet. In addition to water closets, each rest area is also assumed to include one sink per water closet, and two total drinking fountains. The total fixture unit value is applied to the Hunter curve to determine the peak domestic instantaneous demand.

The total estimated peak instantaneous demand is the sum of domestic usage and RO treatment unit water (where applicable). Detailed water demand calculations are provided in Attachment 7.

The source pumping rate in combination with the system's existing storage capacity is used to estimate the water system's capability to meet peak instantaneous demand. All rest areas with on-site water systems include one or more hydropneumatic tanks as part of the water system. Hydropneumatic tanks are pressure tanks that are used to minimize pump cycling and store water at a desired delivery pressure. They can also be used to meet short-term peak demands in excess of the well or supply pump capacity.

Equation 8 identifies the variables used for estimating the additional volume required to meet peak instantaneous demand. Typically, hydropneumatic tank systems are sized based upon the pump capacity and the maximum number of pump on/off cycles per hour recommended by the manufacturer of a typical submersible pump. On/off cycles are minimized to maintain sufficient cooling of submersible pump motors. Given the typical pump rate for the rest areas was assumed as the maximum pump rate for an exempt well, and the number of pump cycles per hour was fixed, the storage required would be the same for every rest area. Therefore, an additional criterion is necessary to estimate the potential storage required to meet a sustained peak demand. This key criterion is the duration of the peak demand.

Design guidelines for sizing hydropneumatic water system pumps and tanks are generally limited to the pump size and cycling frequency, as noted above. A seven-minute duration for the peak instantaneous demand at each rest area was assumed for purposes of this report and evaluation of potential hydropneumatic storage volume requirements. The pressure tank drawdown factor accounts for the unusable storage volume within the tank and depends on the desired operational pressure range of the system. Existing storage volumes were determined for each rest area from maintenance personnel questionnaire responses.

Equation 8 Additional Volume Required to Satisfy Peak Instantaneous Demand

$$\mathbf{V} = \left[\frac{(Q_{peak} - Q_{pump}) \times D_{peak}}{DF}\right] - S$$

V = Additional Volume (gallons)

Q_{peak} = Peak instantaneous demand (gpm)

Q_{pump}= Source pumping rate (gpm)

D_{peak} = Duration of peak instantaneous demand (7 minutes)

- DF = Pressure tank drawdown factor between 40 and 60 pounds per square inch (psi) (0.268)
- S = Existing storage volume (gallons)

Health index scoring for this category was assigned based on the adequacy of the source in combination with existing storage tanks to meet the calculated existing and future peak instantaneous demand. The number of additional tanks needed was also factored into the scoring criteria. A pressure tank volume of 211 gallons per tank was assumed for each additional pressure tank to be added. This tank volume was selected based on manufacturer data for a 30-inch diameter tank approximately six feet tall. This tank size should be small enough to fit through a standard door opening. For the purposes of this report, it is assumed that storage can be reasonably accommodated with pressure tanks when five or fewer additional pressure tanks are needed to meet peak instantaneous demand. If sites will require more than five additional pressure tanks, the use of a storage tank may be a better option compared to multiple pressure tanks. The storage tank option would result in a more complex system given the need to pump into the tank from the well based upon water level in the tank and depending on topography, re-pump the water from the tank to meet demand. Two separate pump systems would potentially be included. The use of pressure tanks versus storage tanks at rest areas should be further considered during the Phase I design process and will ultimately be based on several factors including cost and site limitations.

Of the 40 evaluated on-site water systems, 15 are categorized as excellent, four as good, 20 as fair, and one as poor. The results of this assessment indicate many rest areas are inadequate with respect to on-site storage volume, although storage can be reasonably accommodated at most of these sites through installation of additional pressure tanks. Results of the storage

evaluation will improve if the number of restroom stalls is limited to a desired maximum number.

Operation and Maintenance

Water system operation and maintenance concerns for each rest area were evaluated during DOWL's individual site visit and discussions with facility caretakers/maintenance personnel. Health index scoring was assigned based on severity and recurrence interval of specific concerns. The majority of rest areas received fair score for operation and maintenance, suggesting the on-site water systems are aging and require minor operational and maintenance concerns. Typical water system issues consist of cartridge filter replacements due to silt and/or sand, chlorine disinfection system and plumbing system replacements due to aging systems. Additionally, one system experiences occasional operational issues with its ultraviolet (UV) disinfection system and servicing of its iron removal treatment system.

Backflow Prevention

If the rest area domestic water source also provides water for irrigation, it is recommended that a backflow preventer be installed on the irrigation system line as it exits the rest area facility. A backflow preventer provides a physical barrier to backflow which can occur in the event that a water system experiences pressure loss. If pressure is lost and no backflow preventer exists on the irrigation system water line, there is the potential for contaminants such as fertilizer and pet waste to be drawn into the domestic water system. The presence of backflow prevention was indicated on maintenance personnel questionnaire responses. All 40 of the evaluated onsite water systems currently include backflow prevention or do not have common water sources for domestic and irrigation purposes.

Source Quality (Transient Non-community Standards)

The water systems serving the rest areas are classified as transient non-community water supplies, meaning they serve 25 or more persons per day but do not regularly serve the same persons for at least six months a year. Montana regulations require transient non-community water supplies to monitor for microbiological quality and for nitrates and nitrites.

Samples for coliform bacteria must be collected on a monthly or quarterly basis depending on authorization from DEQ. If more than one sample per month or quarter is total coliform-positive, a violation of the maximum contaminant level (MCL) occurs and public notice must be given in addition to increased sampling the following month. If a routine or repeat sample is also *E. coli* positive, an MCL violation is issued, requiring action including issuance of a boil water order, public notice requirements, corrective action, and increased sampling the following month. Disinfection can be used by groundwater systems to kill harmful microbiological organisms if the source is contaminated or at risk of contamination. Currently, 11 rest areas use chlorination for disinfection and three sites use ultraviolet (UV) light. Disinfection methods for each rest area in addition to other water quality parameters are summarized in Attachment 7. Disinfection requirements due to well construction details are noted. Per DEQ requirements, if wells have unperforated casing or static water depths of 25 feet or less, disinfection is required. There are several instances where disinfection is not

required per well construction details, although it is currently being provided. These sites may have had a history of coliform violations or contamination problems due to older piping and plumbing fixtures.

In addition to coliform bacteria, all transient non-community water systems must sample annually for nitrates and nitrites. The MCL for nitrate is 10 mg/L and the MCL for nitrite is 1 mg/L. An MCL violation occurs when an initial sample is over the MCL and the average of the initial and repeat sample also exceeds the MCL. If a system cannot comply with the MCL requirements for nitrate or nitrite, treatment may be required. Reverse osmosis is one of the best available technologies for treatment of nitrates and nitrites. Currently, 11 rest areas use RO for treatment.

The DEQ Public Water Supply System online database was queried to obtain water quality sampling records pertaining to each rest area site. The number of MCL violations for total coliform and nitrates/nitrites within the past five years was determined. Additionally, Circular DEQ-3 maintains standards for well construction details that may influence whether a source needs to provide disinfection. Static water level and unperforated casing depths were determined from the GWIC well log reports and compared against DEQ standards.

Water quality monitoring is not required for rest areas that are served by municipal water systems unless the rest area is not equipped with a water meter from the municipality. If a municipal water meter is not installed, MDT must complete sampling as specified for transient non-community systems.

Health index scoring for source quality as it applies to Circular DEQ-3 and transient noncommunity water systems was assigned based on the number of MCL violations for coliform bacteria and nitrates/nitrites within the past five years, whether the water systems currently provide treatment or disinfection, and an assessment of well construction details. Of the 40 evaluated on-site water systems, 12 facilities received an excellent score, 19 received a good score, eight received a fair score, and one received a poor score.

Remaining Service Life

The year of water system construction and year of water system rehabilitation or replacement for each rest area water system was determined from maintenance personnel discussions and GWIC well logs. The rehabilitation or replacement years in this evaluation relate to the date that a new water source well was constructed, although minor system upgrades may have been completed on the water systems to extend the life of the system. A design life of 20-years was assumed for water facilities. Remaining service life was calculated as the difference between the design life and the year of rehabilitation or replacement. Several rest area water systems have not been rehabilitated or replaced since the date of original construction. Of the 40 evaluated on-site water systems, 15 sites have exceeded or are within five years of exceeding their design life.

Summary of Water System Health Index Scoring

Table 2.10 presents health index scores for all state-maintained rest areas by alphabetical rest area listing and lowest to highest score for the water element category. Attachment 7 provides detailed water system calculations and data used to assign health index scoring.

	State-maintained Rest Areas								
		Water			Water				
Dee	• Area	System	Dee	• 4 ****	System				
Kes (Alm	L Area	Health	Kes	LAREA Order of Lowest to Highest Score)	Health				
(Ait	mabellar	Index	(in t	order of Lowest to Highest Score)	Index				
		Score			Score				
1	Anaconda Rest Area	15.33	1	Gold Creek (West) Rest Area*	2.67				
2	Armington Junction Rest Area	10.33	2	Gold Creek (East) Rest Area*	5.67				
3	Bad Route Rest Area	13.33	3	Roberts Rest Area	8.67				
4	Bearmouth (East) Rest Area	26.00	4	Vandalia Rest Area	8.67				
5	Bearmouth (West) Rest Area	26.00	5	Armington Junction Rest Area	10.33				
6	Bozeman Rest Area	26.00	6	Mosby Rest Area	12.00				
7	Bridger Rest Area	21.33	7	Emigrant Rest Area	12.00				
8	Broadus Rest Area	14.67	8	Hardin (East) Rest Area	12.00				
9	Clearwater Junction Rest Area	13.67	9	Hardin (West) Rest Area	12.00				
10	Columbus (East) Rest Area	23.33	10	Hathaway (East) Rest Area	12.00				
11	Columbus (West) Rest Area	21.67	11	Bad Route Rest Area	13.33				
12	Conrad Rest Area	26.00	12	Clearwater Junction Rest Area	13.67				
13	Culbertson Rest Area	26.00	13	Jefferson City (North) Rest Area	14.67				
14	Custer (East) Rest Area	16.67	14	Quartz Flats (West) Rest Area	14.67				
15	Custer (West) Rest Area	18.00	15	Anaconda Rest Area	15.33				
16	Dearborn (North) Rest Area	21.67	16	Broadus Rest Area	14.67				
17	Dearborn (South) Rest Area	21.67	17	Jefferson City (South) Rest Area	16.33				
18	Dena Mora (East) Rest Area	18.33	18	Lost Trail Pass Rest Area	16.33				
19	Dena Mora (West) Rest Area	19.67	19	Custer (East) Rest Area	16.67				
20	Divide (North) Rest Area	24.33	20	Hathaway (West) Rest Area	15.33				
21	Divide (South) Rest Area	24.33	21	Troy Rest Area	15.33				
22	Emigrant Rest Area	12.00	22	Custer (West) Rest Area	18.00				
23	Flowing Wells Rest Area	23.33	23	Quartz Flats (East) Rest Area	18.00				
24	Gold Creek (East) Rest Area*	5.67	24	Dena Mora (East) Rest Area	18.33				
25	Gold Creek (West) Rest Area*	2.67	25	Bridger Rest Area	21.33				
26	Greycliff (East) Rest Area	22.67	26	Dena Mora (West) Rest Area	19.67				
27	Greycliff (West) Rest Area	22.67	27	Columbus (West) Rest Area	21.67				
28	Hardin (East) Rest Area	12.00	28	Raynolds Pass Rest Area	21.67				
29	Hardin (West) Rest Area	12.00	29	Columbus (East) Rest Area	23.33				
30	Harlowton Rest Area	26.00	30	Dearborn (North) Rest Area	21.67				
31	Hathaway (East) Rest Area	12.00	31	Dearborn (South) Rest Area	21.67				
32	Hathaway (West) Rest Area	15.33	32	Flowing Wells Rest Area	23.33				
33	Hysham (East) Rest Area	24.67	33	Hysham (West) Rest Area	23.33				
34	Hysham (West) Rest Area	23.33	34	Divide (North) Rest Area	24.33				
35	Jefferson City (North) Rest Area	14.67	35	Divide (South) Rest Area	24.33				
36	Jefferson City (South) Rest Area	16.33	36	Greycliff (East) Rest Area*	22.67				
37	Lima Rest Area	26.00	37	Greycliff (West) Rest Area*	22.67				
38	Lost Trail Pass Rest Area	16.33	38	Hysham (East) Rest Area	24.67				

Table 2.9 Water System Health Index Scoring Summary – Rest Areas

	State-maintained Rest Areas									
Rest Area (Alphabetical)		Water System Health Index Score	Rest Area (In Order of Lowest to Highest Score)		Water System Health Index Score					
39	Mosby Rest Area	12.00	39	Bearmouth (East) Rest Area	26.00					
40	Quartz Flats (East) Rest Area	18.00	40	Bearmouth (West) Rest Area	26.00					
41	Quartz Flats (West) Rest Area	14.67	41	Bozeman Rest Area	26.00					
42	Raynolds Pass Rest Area	21.67	42	Conrad Rest Area	26.00					
43	Roberts Rest Area	8.67	43	Culbertson Rest Area	26.00					
44	Sweet Grass Rest Area	26.00	44	Harlowton Rest Area	26.00					
45	Teton River (North) Rest Area	26.00	45	Lima Rest Area	26.00					
46	Teton River (South) Rest Area	26.00	46	Sweet Grass Rest Area	26.00					
47	Troy Rest Area	15.33	47	Teton River (North) Rest Area	26.00					
48	Vandalia Rest Area	8.67	48	Teton River (South) Rest Area	26.00					
49	Wibaux Rest Area	26.00	49	Wibaux Rest Area	26.00					

Source: DOWL, 2018. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

2.1.6 Water System Evaluation – Truck Parking Areas

The MDT designated truck parking area sites either do not have a water source or use well water for cleaning and/or irrigation only. No water is available for public use. The water health scoring evaluation for truck parking areas is based on the operation and maintenance associated with the water supply system. DOWL collected data from the individual site visits and maintenance staff to assign a score to each truck parking area vaulted toilet. Of the 17 truck parking areas, a majority of the sites received a poor score indicating that there was no water source or the existing source has multiple operational and maintenance concerns. Table 2.11 presents the health index scores for all state-maintained truck parking areas by alphabetical area listing and lowest to highest score for the water element category.

	State-maintained Truck Parking Areas									
Truck Parking Area (Alphabetical)		Water System Health Index Score	Truck Parking Area (In Order of Lowest to Highest Score)		Water System Health Index Score					
1	Alberton (East) Parking Area	0.0	1	Alberton (East) Parking Area	0.0					
2	Alberton (West) Parking Area	0.0	2	Alberton (West) Parking Area	0.0					
3	Barretts Parking Area	0.0	3	Barretts Parking Area	0.0					
4	Dupuyer Parking Area	0.0	4	Dupuyer Parking Area	0.0					
5	Homestake Pass (East) Parking Area	6.0	5	Homestake Pass (West) Parking Area	0.0					
6	Homestake Pass (West) Parking Area	0.0	6	Lyon's Creek (North) Parking Area	0.0					
7	Livingston (East) Parking Area	2.0	7	Lyon's Creek (South) Parking Area	0.0					
8	Locate Parking Area	2.0	8	Red Rock (North) Parking Area	0.0					
9	Lyon's Creek (North) Parking Area	0.0	9	Red Rock (South) Parking Area	0.0					
10	Lyon's Creek (South) Parking Area	0.0	10	Rock Creek (East) Parking Area	0.0					
11	Red Rock (North) Parking Area	0.0	11	Rock Creek (West) Parking Area	0.0					
12	Red Rock (South) Parking Area	0.0	12	Vista Point Parking Area	0.0					

Table 2.10 Water System Health Index Scoring Summary – Truck Parking Areas

	State-maintained Truck Parking Areas								
Truck Parking Area (Alphabetical)		Water System Health Index Score	Truck Parking Area (In Order of Lowest to Highest Score)		Water System Health Index				
13	Rock Creek (East) Parking Area	0.0	13	Livingston (East) Parking Area	2.0				
14	Rock Creek (West) Parking Area	0.0	14	Locate Parking Area	2.0				
15	Vista Point Parking Area	0.0	15	Homestake Pass (East) Parking Area	6.0				

2.1.7 Wastewater Evaluation – Rest Areas

DOWL reviewed wastewater system data from individual site visits, discussions with caretaker/maintenance personal, facility record and design documents, and a variety of additional sources for each rest area site. The health index scoring elements for wastewater systems are discussed below.

<u>Municipal System</u>

Rest areas with a wastewater system connected to a municipal collection system received the full allocation of points for the health index wastewater element and were not evaluated with any further criteria. The following state-maintained rest areas are connected to municipal wastewater: Bozeman, Conrad, Culbertson, Harlowton, Sweet Grass, and Wibaux. All remaining state-maintained rest areas are served by on-site wastewater systems. Rest areas served by on-site wastewater systems were scored according to categories described in the following sections with a total of 24 possible points.

Treatment System

On-site wastewater treatment systems at rest areas generally consist of a septic tank, treatment system, and soil absorption drainfield. Wastewater is delivered to the drainfield by gravity or through a pump station allowing for more even dispersal of effluent. Several rest area sites are equipped with level II advanced wastewater treatment units, which provide an additional level of treatment before disposal to the drainfield.

Health index scoring for the treatment system category is based on the level of treatment currently provided at the rest area. Of the 43 evaluated on-site wastewater treatment systems, 17 sites currently provide advanced treatment, 15 sites utilize pressure dosed drainfields, and 11 sites utilize gravity fed drainfields.

Wastewater Existing System Design Flow

The existing wastewater system design flow is estimated for each rest area facility. The existing wastewater system design flows were estimated based on the most relevant data available consisting of record drawings, operation and maintenance manuals, septic permits, aerial photography, facility design documents, and published NRCS soils data. The estimated existing system design flow are intended to be used for planning purposes only, and actual existing system design flow may vary from the estimates due to site-specific information. The estimated

existing system design flow is used to compare to projected wastewater system design flows described in subsequent sections.

Wastewater Design Flow

Equations 9 and 10 identify the variables used for estimating the projected wastewater system design flow as part of this planning study. Equation 9 was used to estimate wastewater flow if door count information was unavailable, Equation 10 was used to estimate wastewater flow when door count data was not available, and the modified WTI method was used to calculate the estimated users per day at the rest area facility. Wastewater system design should be based on door count and water meter data, if available.

Equation 9 Wastewater System Design Flow with Daily Door Counts

$WDF = (PDP \times G) + RO$

- WDF = Wastewater design flow in gallons per day (gpd)
- PDP = 90th percentile of daily door count
- G = Water usage per restroom user (see description below)
- RO = RO treatment unit reject water (gpd) (where applicable, see below)

Equation 10 Wastewater System Design Flow with modified WTI Traffic Data

$WDF = (AADT \times P \times UV \times G) + RO$

- WDF = Wastewater design flow in gallons per day (gpd)
- AADT = Average annual daily traffic
- P = Proportion of mainline traffic stopping at rest area
- UV = Restroom users per vehicle (1.5)
- G = Water Usage per Restroom User (see description below)
- RO = RO Treatment Unit Reject Water (gpd) (where applicable, see below)

Historically, MDT used 1.5 gallons per restroom user as an estimate for water and wastewater facility planning. For newer rest area facilities, MDT has observed that typical has increased to approximately 2.5 gallons per restroom users. For this memorandum, the estimated wastewater design flows calculations (for year 2016) apply 1.5 gallons per restroom user on facilities constructed before 2012 and 2.5 gallons per restroom user on facilities reconstruction after 2012 (including Bearmouth, Columbus, Dearborn, Dena Mora, Divide, Flowing Wells, Greycliff, Hysham, Raynolds Pass, and Teton River). Additionally, 2.5 gallons per restroom user is applied for all facilities when estimating future wastewater design flows (years 2036 and 2056).

The RO treatment process generates a waste reject water that typically ends up in the wastewater treatment system at most facilities. RO treatment reject water is estimated as 50 percent of the RO treatment unit demand. Typically, only water to the sinks and drinking fountains are routed through the RO treatment system. Demand for the sinks and drinking fountains is estimated as 35 percent of the total wastewater system demand.

The health score for the wastewater design flow compare each facility's estimated existing system design flow with the projected wastewater facility design flow. The health scoring value for this category was assigned based on the when or if the projected wastewater flows exceed the existing facility design flow.

Operation and Maintenance

Wastewater system operation and maintenance concerns for each rest area evaluated at the individual facility site visit and based upon discussions with the facility caretaker/maintenance personal. Health index scoring was assigned based on severity and recurrence interval of specific concerns. Facilities with level II advanced treatment systems were rated with a highest available score of good (instead of excellent) due to the increased maintenance associated with advanced system compared to conventional septic systems. The majority of rest areas received a good score for operation and maintenance. Frequent septic tank pumping is needed at some of the rest areas due to high usage. Other concerns include floats on the dosing system, frequent replacement of pumps within the dosing system, occasional saturation of drainfields due to irrigation ditches, and power outages.

<u>Site Constraints</u>

Using the calculated wastewater design flow in conjunction with NRCS soils data, an approximate drainfield size was calculated for each rest area under existing and future demand conditions. The drainfield calculations take into account a 50 percent reduction in drainfield size assuming the sites will utilize level II advanced wastewater treatment system. Assumptions were made for lateral length, trench width, and spacing between trenches. All dimension assumptions meet standards per DEQ Circular DEQ-4, "Montana Standards for Subsurface Wastewater Treatment."

An approximate usable right-of-way boundary for each rest area was determined using aerial photography and cadastral information obtained from NRIS. The initial right-of-way area was reduced by 50 percent to account for pavement, ramps, buildings, and sidewalks. The reduced area represents potential available space where a future wastewater treatment system and drainfield could reside. The ratio of required drainfield area to available area was calculated for each rest area. The higher the ratio, the more potential exists for site constraints which may not allow for appropriately-sized drainfields to be accommodated at the current site. Sites that currently have off-site drainfields were assigned a poor score.

Characteristics such as ground slope, distance to floodplain boundaries, distance to wells, or proximity to wetlands were not considered in the site constraint analysis. Additionally, drainfield size and location ultimately depends on site-specific field data and soil information.

Health index scoring for site constraints was assigned based on the ratio of calculated drainfield area to available area. Of the 43 evaluated on-site wastewater systems, 22 received an excellent score, four received a good score, three received a fair score, and 14 received a poor score. A poor designation does not necessarily mean the site cannot accommodate the wastewater system but indicates it may potentially be more difficult or the facility currently has on on-site drainfield.

Remaining Service Life

The year of wastewater treatment system construction and year of rehabilitation or replacement was determined from maintenance personnel and the most relevant data. A design life of 20-years was assumed for wastewater facilities. Remaining service life was calculated as the difference between the design life and the year of rehabilitation or replacement. Several rest area wastewater systems have not been rehabilitated or replaced since the date of original construction or improvement were completed only on a portion of the wastewater system. Of the 43 evaluated on-site wastewater systems, 17 sites have exceeded or are within five years of exceeding their design life.

Summary of Wastewater System Health Index Scoring

Table 2.12 presents health index scores for all state-maintained rest areas by alphabetical rest area listing and lowest to highest score for the wastewater element category. Attachment 8 provides detailed wastewater system calculations and data used to assign health index scoring.

State-maintained Rest Areas								
Rest Area (Alphabetical)		Wastewater System Health Index Score	Rest Area (In Order of Lowest to Highest Score)		Wastewater System Health Index Score			
1	Anaconda Rest Area	12.17	1	Gold Creek (West) Rest Area*	3.33			
2	Armington Junction Rest Area	13.17	2	Gold Creek (East) Rest Area*	4.67			
3	Bad Route Rest Area	13.83	3	Roberts Rest Area	5.83			
4	Bearmouth (East) Rest Area	12.50	4	Custer (East) Rest Area	6.33			
5	Bearmouth (West) Rest Area	12.50	5	Custer (West) Rest Area	6.33			
6	Bozeman Rest Area	24.00	6	Quartz Flats (East) Rest Area	6.83			
7	Bridger Rest Area	12.17	7	Quartz Flats (West) Rest Area	6.83			
8	Broadus Rest Area	18.17	8	Mosby Rest Area	8.67			
9	Clearwater Junction Rest Area	10.17	9	Jefferson City (North) Rest Area	8.83			
10	Columbus (East) Rest Area	12.50	10	Jefferson City (South) Rest Area	8.83			
11	Columbus (West) Rest Area	12.50	11	Emigrant Rest Area	9.17			
12	Conrad Rest Area	24.00	12	Clearwater Junction Rest Area	10.17			
13	Culbertson Rest Area	24.00	13	Hardin (East) Rest Area	10.33			
14	Custer (East) Rest Area	6.33	14	Hardin (West) Rest Area	10.33			
15	Custer (West) Rest Area	6.33	15	Greycliff (East) Rest Area	10.50			
16	Dearborn (North) Rest Area	12.50	16	Greycliff (West) Rest Area	10.50			
17	Dearborn (South) Rest Area	13.50	17	Vandalia Rest Area	11.67			
18	Dena Mora (East) Rest Area	12.00	18	Dena Mora (East) Rest Area	12.00			

Table 2.11 Wastewater System Health Index Scoring Summary

State-maintained Rest Areas								
Rest Area (Alphabetical)		Wastewater System Health Index Score	Rest Area (In Order of Lowest to Highest Score)		Wastewater System Health Index Score			
19	Dena Mora (West) Rest Area	13.00	19	Anaconda Rest Area	12.17			
20	Divide (North) Rest Area	21.50	20	Bridger Rest Area	12.17			
21	Divide (South) Rest Area	21.50	21	Hathaway (East) Rest Area	12.17			
22	Emigrant Rest Area	9.17	22	Hathaway (West) Rest Area	12.17			
23	Flowing Wells Rest Area	18.50	23	Bearmouth (East) Rest Area	12.50			
24	Gold Creek (East) Rest Area*	4.67	24	Bearmouth (West) Rest Area	12.50			
25	Gold Creek (West) Rest Area*	3.33	25	Columbus (East) Rest Area	12.50			
26	Greycliff (East) Rest Area	10.50	26	Columbus (West) Rest Area	12.50			
27	Greycliff (West) Rest Area	10.50	27	Dearborn (North) Rest Area	12.50			
28	Hardin (East) Rest Area	10.33	28	Dena Mora (West) Rest Area	13.00			
29	Hardin (West) Rest Area	10.33	29	Armington Junction Rest Area	13.17			
30	Harlowton Rest Area	24.00	30	Dearborn (South) Rest Area	13.50			
31	Hathaway (East) Rest Area	12.17	31	Bad Route Rest Area	13.83			
32	Hathaway (West) Rest Area	12.17	32	Lost Trail Pass Rest Area	14.17			
33	Hysham (East) Rest Area	14.50	33	Troy Rest Area	14.17			
34	Hysham (West) Rest Area	14.50	34	Hysham (East) Rest Area	14.50			
35	Jefferson City (North) Rest Area	8.83	35	Hysham (West) Rest Area	14.50			
36	Jefferson City (South) Rest Area	8.83	36	Lima Rest Area	15.50			
37	Lima Rest Area	15.50	37	Raynolds Pass Rest Area	15.50			
38	Lost Trail Pass Rest Area	14.17	38	Teton River (North) Rest Area	15.67			
39	Mosby Rest Area	8.67	39	Teton River (South) Rest Area	15.67			
40	Quartz Flats (East) Rest Area	6.83	40	Broadus Rest Area	18.17			
41	Quartz Flats (West) Rest Area	6.83	41	Flowing Wells Rest Area	18.50			
42	Raynolds Pass Rest Area	15.50	42	Divide (North) Rest Area	21.50			
43	Roberts Rest Area	5.83	43	Divide (South) Rest Area	21.50			
44	Sweet Grass Rest Area	24.00	44	Bozeman Rest Area	24.00			
45	Teton River (North) Rest Area	15.67	45	Conrad Rest Area	24.00			
46	Teton River (South) Rest Area	15.67	46	Culbertson Rest Area	24.00			
47	Troy Rest Area	14.17	47	Harlowton Rest Area	24.00			
48	Vandalia Rest Area	11.67	48	Sweet Grass Rest Area	24.00			
49	Wibaux Rest Area	24.00	49	Wibaux Rest Area	24.00			

Source: DOWL, 2018. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

2.1.8 Wastewater Evaluation – Truck Parking Areas

The MDT-designated truck parking areas use vaulted toilets as their primary means of wastewater collection. The wastewater health scoring evaluation for truck parking areas is based on the operation and maintenance associated with the vaulted toilets. DOWL collected data from the individual site visits and maintenance staff to assign a score to each truck parking area vaulted toilet. Of the 17 truck parking areas, a majority of the sites scored a fair score due to minor operation and maintenance considerations associated with usage and condition. Table 2.13 presents the health index scores for all state-maintained truck parking areas by alphabetical rest area listing and lowest to highest score for the vaulted toilet element category.
	State-maintained Truck Parking Areas				
Truck Parking Area Sy (Alphabetical) H		Waste Water System Health Index Score	te er Im Truck Parking Area th (In Order of Lowest to Highest Score)		Waste Water System Health Index Score
1	Alberton (East) Parking Area	2.5	1	Barretts Parking Area	0
2	Alberton (West) Parking Area	2.5	2	Livingston (East) Parking Area	0
3	Barretts Parking Area	0.0	3	Alberton (East) Parking Area	2.5
4	Dupuyer Parking Area	5.0	4	Alberton (West) Parking Area	2.5
5	Homestake Pass (East) Parking Area	5.0	5	Homestake Pass (West) Parking Area	2.5
6	Homestake Pass (West) Parking Area	2.5	6	Locate Parking Area	2.5
7	Livingston (East) Parking Area	0.0	7	Lyon's Creek (North) Parking Area	2.5
8	Locate Parking Area	2.5	8	Lyon's Creek (South) Parking Area	2.5
9	Lyon's Creek (North) Parking Area	2.5	9	Red Rock (North) Parking Area	2.5
10	Lyon's Creek (South) Parking Area	2.5	10	Red Rock (South) Parking Area	2.5
11	Red Rock (North) Parking Area	2.5	11	Rock Creek (East) Parking Area	2.5
12	Red Rock (South) Parking Area	2.5	12	Rock Creek (West) Parking Area	2.5
13	Rock Creek (East) Parking Area	2.5	13	Dupuyer Parking Area	5.0
14	Rock Creek (West) Parking Area	2.5	14	Homestake Pass (East) Parking Area	5.0
15	Vista Point Parking Area	5.0	15	Vista Point Parking Area	5.0

Table 2.12	Wastewater System Health In	dex Scoring Summary –	Truck Parking Areas
------------	-----------------------------	-----------------------	----------------------------

2.2 Scoring Summary

Table 2.14 and 2.15 present health index scores representing the sum of parking, site, structure, water, wastewater, and amenities scores. Attachment 10 provides detailed scoring for each rest area and truck parking area. Attachment 11 provides summary sheets for each facility.

Table 2.13 Health Index Scoring Summary – Rest Areas

	State-maintained Rest Areas				
Rest Area (Alphabetical)		Health Index Score (In Order of Lowest to Highest Score)		Health Index Score	
1	Anaconda Rest Area	62.2	1	Gold Creek (West) Rest Area*	26.3
2	Armington Junction Rest Area	56.8	2	Gold Creek (East) Rest Area*	30.7
3	Bad Route Rest Area	57.5	3	Quartz Flats (West) Rest Area	45.5
4	Bearmouth (East) Rest Area	88.2	4	Jefferson City (South) Rest Area	47.5
5	Bearmouth (West) Rest Area	88.2	5	Quartz Flats (East) Rest Area	48.8
6	Bozeman Rest Area	85.3	6	Jefferson City (North) Rest Area	49.2
7	Bridger Rest Area	70.8	7	Vandalia Rest Area	51.0
8	Broadus Rest Area	68.5	8	Mosby Rest Area	51.3
9	Clearwater Junction Rest Area	62.5	9	Hardin (East) Rest Area	52.3
10	Columbus (East) Rest Area	81.2	10	Custer (East) Rest Area	52.7
11	Columbus (West) Rest Area	81.5	11	Hathaway (East) Rest Area	53.2
12	Conrad Rest Area	96.0	12	Custer (West) Rest Area	54.0

	State-maintained Rest Areas				
Rest (Alpl	Area habetical)	Health Index Score	Health Index Score (In Order of Lowest to Highest Score)		Health Index Score
13	Culbertson Rest Area	87.7	13	Hardin (West) Rest Area	55.0
14	Custer (East) Rest Area	52.7	14	Armington Junction Rest Area	56.8
15	Custer (West) Rest Area	54.0	15	Bad Route Rest Area	57.5
16	Dearborn (North) Rest Area	76.2	16	Emigrant Rest Area	59.2
17	Dearborn (South) Rest Area	77.5	17	Hathaway (West) Rest Area	60.2
18	Dena Mora (East) Rest Area	63.3	18	Anaconda Rest Area	62.2
19	Dena Mora (West) Rest Area	65.7	19	Clearwater Junction Rest Area	62.5
20	Divide (North) Rest Area	93.2	20	Dena Mora (East) Rest Area	63.3
21	Divide (South) Rest Area	95.5	21	Roberts Rest Area	63.8
22	Emigrant Rest Area	59.2	22	Troy Rest Area	63.8
23	Flowing Wells Rest Area	91.8	23	Dena Mora (West) Rest Area	65.7
24	Gold Creek (East) Rest Area*	30.7	24	Broadus Rest Area	68.5
25	Gold Creek (West) Rest Area*	26.3	25	Lost Trail Pass Rest Area	69.2
26	Greycliff (East) Rest Area	76.8	26	Bridger Rest Area	70.8
27	Greycliff (West) Rest Area	75.8	27	Greycliff (West) Rest Area	75.8
28	Hardin (East) Rest Area	52.3	28	Dearborn (North) Rest Area	76.2
29	Hardin (West) Rest Area	55.0	29	Greycliff (East) Rest Area	76.8
30	Harlowton Rest Area	88.3	30	Dearborn (South) Rest Area	77.5
31	Hathaway (East) Rest Area	53.2	31	Lima Rest Area	80.8
32	Hathaway (West) Rest Area	60.2	32	Hysham (West) Rest Area	80.8
33	Hysham (East) Rest Area	82.2	33	Columbus (East) Rest Area	81.2
34	Hysham (West) Rest Area	80.8	34	Columbus (West) Rest Area	81.5
35	Jefferson City (North) Rest Area	49.2	35	Wibaux Rest Area	82.0
36	Jefferson City (South) Rest Area	47.5	36	Hysham (East) Rest Area	82.2
37	Lima Rest Area	80.8	37	Teton River (North) Rest Area	82.7
38	Lost Trail Pass Rest Area	69.2	38	Sweet Grass Rest Area	83.3
39	Mosby Rest Area	51.3	39	Teton River (South) Rest Area	84.3
40	Quartz Flats (East) Rest Area	48.8	40	Bozeman Rest Area	85.3
41	Quartz Flats (West) Rest Area	45.5	41	Raynolds Pass Rest Area	86.2
42	Raynolds Pass Rest Area	86.2	42	Culbertson Rest Area	87.7
43	Roberts Rest Area	42.8	43	Bearmouth (West) Rest Area	88.2
44	Sweet Grass Rest Area	83.3	44	Bearmouth (East) Rest Area	88.2
45	Teton River (North) Rest Area	82.7	45	Harlowton Rest Area	88.3
46	Teton River (South) Rest Area	84.3	46	Flowing Wells Rest Area	91.8
47	Troy Rest Area	63.8	47	Divide (North) Rest Area	93.2
48	Vandalia Rest Area	51.0	48	Divide (South) Rest Area	95.5
49	Wibaux Rest Area	82.0	49	Conrad Rest Area	96.0

Source: DOWL, 2018. Note: Rest areas evaluated against a total possible score of 100. Higher scores indicate better facilities in terms of site condition and adequacy to meet demand. *Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

	State-maintained Truck Parking Areas				
Truck Parking Area (Alphabetical)		Health Index Score	Health Index Score (In Order of Lowest to Highest Score)		Health Index Score
1	Alberton (East) Parking Area	8.0	1	Barretts Parking Area	5.0
2	Alberton (West) Parking Area	7.5	2	Alberton (West) Parking Area	7.5
3	Barretts Parking Area	5.0	3	Alberton (East) Parking Area	8.0
4	Dupuyer Parking Area	12.0	4	Lyon's Creek (North) Parking Area	8.0
5	Homestake Pass (East) Parking Area	15.0	5	Lyon's Creek (South) Parking Area	8.0
6	Homestake Pass (West) Parking Area	9.0	6	Red Rocks (North) Parking Area	8.0
7	Livingston (East) Parking Area	12.0	7	Red Rocks (South) Parking Area	8.0
8	Locate Parking Area	11.5	8	Rock Creek (East) Parking Area	8.0
9	Lyon's Creek (North) Parking Area	8.0	9	Rock Creek (West) Parking Area	8.5
10	Lyon's Creek (South) Parking Area	8.0	10	Homestake Pass (West) Parking Area	9.0
11	Red Rock (North) Parking Area	8.0	11	Locate Parking Area	11.5
12	Red Rock (South) Parking Area	8.0	12	Dupuyer Parking Area	12.0
13	Rock Creek (East) Parking Area	8.0	13	Livingston (East) Parking Area	12.0
14	Rock Creek (West) Parking Area	8.5	14	Vista Point	12.0
15	Vista Point	12.0	15	Homestake Pass (East) Parking Area	15.0

Table 2.14 Health Index Scoring Summary – Truck Parking Areas

Source: DOWL, 2019. Note: Truck parking areas evaluated against a total possible score of 22. Higher scores indicate better facilities in terms of site condition.

Figure 2-1 and Figure 2-2 illustrate the distribution of state-maintained rest area and truck parking area health index scores. For rest areas, the arithmetic mean (i.e., the average) is approximately 69.1, and the median (i.e., the value separating the lower and upper halves of the data set) is approximately 69.2. Most rest areas fall within the 60 to 100 scoring range. For truck parking areas, the arithmetic mean is 8.6 and the median is 7.7. Most rest areas fall within the 6 to 9 scoring range.

Health index scores are only intended for comparison purposes to assist the Statewide Rest Area Prioritization Plan Committee in identifying relative statewide needs. Demand estimates provided in this memorandum are not intended for use during design.



Figure 2-1 Health Index Score Distribution for State-maintained Rest Areas





2.3 Other Considerations

2.3.1 ADA Features

In addition to calculated scoring elements outlined in Section 2.1 and 2.3, MDT compiled an assessment of parking stalls, picnic areas, sidewalks, signage, plumbing fixtures, and restroom stalls for compliance with Americans with Disabilities Act Accessibility Guidelines (ADAAG) and Public Right-of-Way Accessibility Guideline (PROWAG). Tables 2.16 and 2.17 outline criteria used to assess exterior and interior features assessed to determine ADA compliance. ADA

elements were not scored for inclusion in the health index, however MDT will use results from the 2017/2018 data collection effort to determine overall need at rest areas and truck parking areas and to assist in identifying future improvement projects.

Table 2.15Exterior ADA Inventory Features

Exterior ADA Features		Compliance Criteria			
	Clear space	All usable sides of the tables from the back edge of the benches. (36" minimum)			
Picnic	Openings in clear ground space	Gap not to exceed ½"			
Areas	Table height	Height from ground to bottom of table, 28" to 34"			
	Wheelchair space	One wheelchair space for each 24 linear feet of usable table surface perimeter and positioned for a forward approach to the table; provide 30" x 48" minimum knee and toe clearance			
	Clear space	Adjoins an accessible route with 36" x 48" minimum measured length and width			
Benches	Dimensions	Seat size is 42" minimum length, 20" to 24" width, and 17" to 19" above the ground surface			
	Back support	- Must be 42" long, extend from a point 2" maximum above seat surface, extend to point 18" minimum above seat surface, and be 2.5" maximum from rear edge of seat measured horizontally			
	Number	Minimum of 2 for every 50 stalls			
Desking	Dimensions (stall and aisle)	Length of stall striping of 20' minimum, aisle width 60" minimum, and running slope and cross slope for both not to exceed 2%			
Stalls	Parking signage	Mounted height from ground to bottom of sign 60" minimum with recognized characters and symbols			
	ADA van parking	Count minimum of one ADA stall per 25 stalls and one van parking for every six ADA stalls			
	Type & attributes	Note type, if traffic control was present, and if flush with surface			
Curb Ramps	Dimensions	 Ramp slope and cross slope not to exceed 8.3% and 2%, respectively Ramp width of 48" minimum and landing length and width of 60" minimum Landing slope and cross slope not to exceed 2%, right/left flare slopes of 10% maximum and gutter slope of 5% maximum 			
	Detectible warning device	Note type and if there is a color contrast with adjacent sidewalk			
	Trip hazards	Note is there is continuous sidewalk and that trip hazards do not exceed 0.5"			
Sidewalks	Dimensions	Minimum width from edge to edge of 48", slope and cross slope not to exceed 5% and 2% respectively, and minimum passing width of 60"			
	Trip hazards	Measured trip hazard as 0, 0.25" or less, 0.5" or greater			
Pedestrian Ramps	Dimensions	 Ramp slope and cross slope not to exceed 8.3% and 2%, respectively Ramp rise and width 30" maximum, 36" minimum Top and bottom landing slope and cross slope to exceed 2.0% Top and bottom landing length and width of 60" minimum and ramp must contain 60" level pad for every 30' 			

Exterior ADA Features		Compliance Criteria		
	Handrails	 Handrail must be provided for rise in excess of 6", where ramps 72" or longer provide handrails on both sides Continuous handrails with top gripping surface 34" to 38" from the ground Gripping surface and adjacent surface clearance must maintain a 1.5" minimum free of abrasive and sharp objects utilizing immobile in fittings The horizontal distance handrail extends at top/bottom of landing shall be 12" or greater 		

Table 2.16Interior ADA Inventory Features

Interior ADA Fe	eatures	Compliance Criteria			
Protruding	Dimensions	Protruding distance from wall to outside edge; no more than 4" from			
Objects	Dimensions	mounted to wall, or 12" if free standing			
	Clear space	Adjoins an accessible route with 36" x 48" minimum measured length and width			
Benches	Dimensions	Seat size is 42" minimum length, 20" to 24" width, and 17" to 19" above the ground surface			
	Back support	Must be 42" long, extend from a point 2" maximum above seat surface, extend to point 18" minimum above seat surface, and be 2.5" maximum from rear edge of seat measured horizontally			
Doorways	Dimensions	 A minimum of 32" clear width from doorjamb to inside edge of door and 48" minimum distance between two hinged doors Operable part height from floor to center must be 34" – 38" Threshold height no greater than 0.75" Automatic door closing/opening 3 sec minimum 			
	Door hardware	Lever-operated, push, or U-shaped mechanism			
	Directional signage	Is provided			
Drinking	Dimensions	Spout height from floor to top of spout not greater than 36"			
Drinking	Unit control	Location on front or side of device			
rountains	Clear space	Length and width must be greater than 48" x 30"			
Ciala	Dimensions	Height from floor to top of sink no to exceed 34" and of bottom of sink to floor 29" maximum			
SINKS	Clear space	Length and width must be 48" x 30" minimum			
	Mirror height	Bottom edge of mirror from floor 40" maximum			
	Number	5% minimum of total must be ADA accessible			
Watar	Dimensions	Stall door width from doorjamb to inside of door must be greater than 32" and stall width from wall to wall, or partition to partition 48" minimum			
Closets	Grab bars	Height and length for right, left, and rear bars 33"- 36" height and 40" minimum length			
	Toilet seat	Height from the floor to top of seat must be 17" – 19"			
	ADA signage	Contains raised letters, contrasting characters, braille located below corresponding text and mounted at a height of 60"			

2.3.2 Environmental Features

MDT recognizes that environmental factors could affect future MDT investment decisions. To address this consideration, DOWL evaluated rest and truck parking areas in spring and fall 2017 and spring 2018 for the presence of adjacent surface waters, groundwater, irrigation, wetlands,

and floodplains. Table 2.18 outlines the criteria used to evaluate environmental features at MDT rest and truck parking areas. Attachment 9 provides a summary of environmental features at each rest area and truck parking area site.

Table 2.17	Environmental	Features
------------	---------------	----------

Feature	Evaluation Method
Surface Water	Database search and visual inspection of surface waters near or within the influence of a rest/truck parking area
Groundwater	Review of Montana Bureau of Mines and Geology resources to identify a record location of any well within the MDT rest/truck parking area ROW, well depth, and static water level
Irrigation	Database search and visual inspection for irrigation ditches, canals, or other infrastructure within or adjacent to the rest/truck parking area
Wetlands	 Search of the U.S. Fish and Wildlife Service National Wetland Inventory database to locate any/all recognized wetlands adjacent to or near the rest/truck parking area Additional visual inspection of site to identify any additional areas not captured by the wetland inventory database
Floodplains	Search of available Federal Emergency Management Agency data for mapped floodplains near the rest/truck parking area

2.4 Investment Options and Costs

In coordination with MDT, DOWL developed an approach to identify improvement strategies for each parking and rest area based on field observations, health index scoring, and ADA evaluations. Table 2.19 outlines the criteria used to determine the level of improvement a rest area or truck parking area would require to bring it up to an acceptable standard.

Table 2.18	Improvement	Strategy	Criteria
------------	-------------	----------	----------

Site	Criteria				
	Health Index	 Health index scores of less than 60 were considered for rehabilitation or replacement. Health index scores between 90 and 60 were considered for rehabilitation and/or preservation activities. Health index score greater than 90 were not considered for improvements. 			
State- Maintained Rest	Field Observation	Overall element condition not scored through the Health Index Score was considered for rehabilitation or replacement. (Example - Sidewalks rated in fair condition; however, age and physical appearance warrant replacement along with other improvement activities)			
Areas	ADA Evaluation	Features not compliant at the time of site inspections were considered for replacement. Some ADA features were not considered for replacement because they would be too complex to replace, only minor maintenance fixes were required, or the cost was too low to justify a project based on ADA non-compliance alone. ADA features included in cost estimating include: picnic areas, benches, curb ramps, and sidewalks. All other ADA enhancements were considered as part of condition improvement activities.			
	Spacing	Rest areas within one-hour travel time from a newly constructed rest area were only considered for rehabilitation and not for replacement.			

Site	Criteria		
	Health Index	Input components for health index scores were considered in the process to	
	Field	Identify rehabilitation and/or preservation activities.	
State-	Observation	considered for rehabilitation or replacement.	
Truck Parking Areas	ADA Evaluation	Features not compliant at the time of site inspections were considered for replacement. Some ADA features were not considered for replacement because they would be too complex to replace due to significant grading or challenging land features, only minor maintenance fixes required, or cost was too low to justify a project based on ADA non-compliance alone.	

Scoring elements were evaluated using engineering judgement to determine the appropriate level of improvement needed. Individual improvement items were assessed for demolition, rehabilitation, and replacement. Unit cost estimates were assigned to each element based on 2017 MDT average unit cost estimates. Improvement costs were summed with the addition of 18% mobilization, 25% contingency, 10% preliminary engineering, 10% construction engineering, and 10.49% indirect costs, which were added to calculate the total estimated project cost. All cost estimates are provided in 2018 dollars with no inflation. Table 2.20 presents the estimated improvement cost and associated site health index scores at statemaintained rest areas. Table 2.21 presents similar information for MDT truck parking areas. Attachment 12 includes cost estimates for each parking and rest area based on these improvement strategies. Attachment 13 provides figures illustrating improvement components estimated at each site.

Table 2.19 Rest Area Improvement Costs

	Alphabetical				
Rest Area Estimated H					
		Cost	Score		
1	Anaconda Rest Area	\$1,050,000	62.2		
2	Armington Junction Rest Area	\$390,000	56.8		
3	Bad Route Rest Area	\$3,020,000	57.5		
4	Bearmouth (East) Rest Area	\$40,000	88.2		
5	Bearmouth (West) Rest Area	\$40,000	88.2		
6	Bozeman Rest Area	\$470,000	85.3		
7	Bridger Rest Area	\$580,000	70.8		
8	Broadus Rest Area	\$390,000	68.5		
9	Clearwater Junction Rest Area	\$1,090,000	62.5		
10	Columbus (East) Rest Area	\$40,000	81.2		
11	Columbus (West) Rest Area	\$40,000	81.5		
12	Conrad Rest Area	\$0	96.0		
13	Culbertson Rest Area	\$320,000	87.7		
14	Custer (East) Rest Area	\$580,000	52.7		
15	Custer (West) Rest Area	\$500,000	54.0		
16	Dearborn (North) Rest Area	\$50,000	76.2		
17	Dearborn (South) Rest Area	\$50,000	77.5		
18	Dena Mora (East) Rest Area	\$980,000	63.3		
19	Dena Mora (West) Rest Area	\$990,000	65.7		
20	Divide (North) Rest Area	\$0	93.2		
21	Divide (South) Rest Area	\$0	95.5		
22	Emigrant Rest Area	\$630,000	59.2		
23	Flowing Wells Rest Area	\$0	91.8		
24	Gold Creek (East) Rest Area*	\$510,000	30.7		
25	Gold Creek (West) Rest Area*	\$450,000	26.3		
26	Greycliff (East) Rest Area	\$220,000	76.8		
27	Greycliff (West) Rest Area	\$220,000	75.8		
28	Hardin (East) Rest Area	\$930,000	52.3		

Improvement Cost Estimates – Rest Areas

Lowest to Highest Score						
Res	Rest Area Estimated Health					
		Cost	Score			
1	Gold Creek (West) Rest Area*	\$450,000	30.3			
2	Gold Creek (East) Rest Area*	\$510,000	34.7			
3	Roberts Rest Area	\$1,970,000	46.8			
4	Quartz Flats (West) Rest Area	\$4,590,000	49.5			
5	Vandalia Rest Area	\$2,100,000	51.0			
6	Jefferson City (South) Rest Area	\$3,150,000	51.5			
7	Quartz Flats (East) Rest Area	\$4,250,000	52.8			
8	Jefferson City (North) Rest Area	\$3,230,000	53.2			
9	Hathaway (East) Rest Area	\$3,250,000	55.2			
10	Hardin (East) Rest Area	\$890,000	56.3			
11	Bad Route Rest Area	\$3,100,000	56.5			
12	Custer (East) Rest Area	\$570,000	56.7			
13	Mosby Rest Area	\$260,000	57.3			
14	Custer (West) Rest Area	\$500,000	58.0			
15	Hardin (West) Rest Area	\$900,000	59.0			
16	Armington Junction Rest Area	\$420,000	60.8			
17	Emigrant Rest Area	\$610,000	61.2			
18	Anaconda Rest Area	\$1,020,000	62.2			
19	Dena Mora (East) Rest Area	\$1,000,000	63.0			
20	Hathaway (West) Rest Area	\$3,350,000	63.8			
21	Dena Mora (West) Rest Area	\$980,000	65.3			
22	Troy Rest Area	\$420,000	65.5			
23	Clearwater Junction Rest Area	\$1,110,000	66.5			
24	Lost Trail Pass Rest Area	\$210,000	69.2			
25	Bridger Rest Area	\$600,000	72.8			
26	Broadus Rest Area	\$400,000	74.7			
27	Lima Rest Area	\$470,000	78.8			
28	Hysham (West) Rest Area	\$30,000	78.8			

Alphabetical				
Por		Estimated	Health	
nes	Stalea	Cost	Score	
29	Hardin (West) Rest Area	\$950,000	55.0	
30	Harlowton Rest Area	\$170,000	88.3	
31	Hathaway (East) Rest Area	\$3,230,000	53.2	
32	Hathaway (West) Rest Area	\$3,340,000	60.2	
33	Hysham (East) Rest Area	\$40,000	82.2	
34	Hysham (West) Rest Area	\$40,000	80.8	
35	Jefferson City (North) Rest Area	\$3,190,000	49.2	
36	Jefferson City (South) Rest Area	\$3,110,000	47.5	
37	Lima Rest Area	\$470,000	80.8	
38	Lost Trail Pass Rest Area	\$210,000	69.2	
39	Mosby Rest Area	\$260,000	51.3	
40	Quartz Flats (East) Rest Area	\$4,220,000	48.8	
41	Quartz Flats (West) Rest Area	\$4,550,000	45.5	
42	Raynolds Pass Rest Area	\$0	86.2	
43	Roberts Rest Area	\$1,970,000	42.8	
44	Sweet Grass Rest Area	\$240,000	83.3	
45	Teton River (North) Rest Area	\$80,000	82.7	
46	Teton River (South) Rest Area	\$80,000	84.3	
47	Troy Rest Area	\$500,000	63.8	
48	Vandalia Rest Area	\$2,670,000	51.0	
49	Wibaux Rest Area	\$580,000	82.0	

Improvement Cost Estimates – Rest Ar	eas
--------------------------------------	-----

	Lowest to Highest Score					
Pos	t Aroa	Estimated	Health			
nes	t Alea	Cost	Score			
29	Greycliff (West) Rest Area	\$160,000	79.5			
30	Hysham (East) Rest Area	\$30,000	80.2			
31	Greycliff (East) Rest Area	\$160,000	80.5			
32	Columbus (East) Rest Area	\$30,000	81.2			
33	Columbus (West) Rest Area	\$30,000	81.5			
34	Wibaux Rest Area	\$610,000	82.0			
35	Sweet Grass Rest Area	\$260,000	83.3			
36	Dearborn (North) Rest Area	\$50,000	83.8			
37	Teton River (North) Rest Area	\$100,000	84.7			
38	Dearborn (South) Rest Area	\$60,000	85.2			
39	Bozeman Rest Area	\$310,000	85.3			
40	Teton River (South) Rest Area	\$90,000	86.3			
41	Culbertson Rest Area	\$330,000	87.7			
42	Bearmouth (East) Rest Area	\$40,000	88.2			
43	Bearmouth (West) Rest Area	\$30,000	88.2			
44	Harlowton Rest Area	\$200,000	88.3			
45	Raynolds Pass Rest Area	\$0	92.2			
46	Divide (North) Rest Area	\$0	93.2			
47	Flowing Wells Rest Area	\$0	93.8			
48	Divide (South) Rest Area	\$0	95.5			
49	Conrad Rest Area	\$0	96.0			

*Gold Creek was a rest area at the time of data collection but is programmed to be reconstructed as a truck parking area in 2019 (UPN 9253 001).

Table 2.20 Truck Parking Area Improvement Costs

Alphabetical				
Tru	ck Parking Area	Estimated Cost	Health Score	
1	Alberton (East) Parking Area	\$370,000	8.00	
2	Alberton (West) Parking Area	\$140,000	7.50	
3	Barretts Parking Area	\$100,000	5.00	
4	Dupuyer Parking Area	\$100,000	12.00	
5	Homestake Pass (East) Parking Area	\$190,000	15.00	
6	Homestake Pass (West) Parking Area	\$190,000	9.00	
7	Livingston (East) Parking Area	\$200,000	12.00	
8	Locate Parking Area	\$430,000	11.50	
9	Lyon's Creek (North) Parking Area	\$150,000	8.00	
10	Lyon's Creek (South) Parking Area	\$170,000	8.00	
11	Red Rock (North) Parking Area	\$170,000	8.00	
12	Red Rock (South) Parking Area	\$170,000	8.00	
13	Rock Creek (East) Parking Area	\$130,000	8.00	
14	Rock Creek (West) Parking Area	\$120,000	8.50	
15	Vista Point	\$80,000	12.00	

Improvement Cost Estimates – Truck Parking Areas

Lowest to Highest Score				
Truc	k Parking Area	Estimated Cost	Health Score	
1	Barretts Parking Area	\$100,000	5.0	
2	Alberton (West) Parking Area	\$190,000	7.5	
3	Alberton (East) Parking Area	\$370,000	8.0	
4	Lyon's Creek (North) Parking Area	\$140,000	8.0	
5	Lyon's Creek (South) Parking Area	\$150,000	8.0	
6	Red Rock (North) Parking Area	\$170,000	8.0	
7	Red Rock (South) Parking Area	\$170,000	8.0	
8	Rock Creek (East) Parking Area	\$170,000	8.0	
9	Rock Creek (West) Parking Area	\$130,000	8.5	
10	Homestake Pass (West) Parking Area	\$120,000	9.0	
11	Locate Parking Area	\$100,000	11.5	
12	Dupuyer Parking Area	\$80,000	12.0	
13	Livingston (East) Parking Area	\$430,000	12.0	
14	Vista Point	\$200,000	12.0	
15	Homestake Pass (East) Parking Area	\$190,000	15.0	

3.0 Step 2: Network Evaluation

The Montana Rest Area Plan recommends approximately one hour of travel time between rest areas (including major resting locations), which is consistent with AASHTO guidelines.

All National Highway System (NHS) and Primary System routes, and select Secondary System routes, were assessed for this study, with corridor segment endpoints defined at rest areas, truck parking areas, and urban areas. Rest areas and truck parking areas are listed in Table 1.1. MDT provided a list of urban areas, which included Anaconda, Belgrade, Billings, Bozeman, Butte, Columbia Falls, Glendive, Great Falls, Hamilton, Havre, Helena, Kalispell, Laurel, Lewistown, Livingston, Miles City, Missoula, Sidney, and Whitefish. An analysis distance of 70 miles was used to approximate one hour of travel time on the NHS Non-Interstate and Primary systems. An analysis distance of 80 miles was used to approximate one-hour travel time on the Interstate system.

In an initial spacing scenario, all statewide rest areas and parking facilities (including statemaintained facilities and facilities maintained by others) were considered. A second spacing scenario only considered rest areas open year-round. Table 3.1 and Table 3.2 list corridor segments exceeding 70 miles. Attachment 14 provides maps illustrating corridor segment locations. Nearby out-of-state rest areas and cities were also considered in the spacing analysis.

The results of this analysis are intended to assist MDT in identifying potential locations for new rest areas and locations where service may be reduced. For example, a corridor segment more than double the 70-mile analysis distance may benefit from construction of a new rest area. Conversely, MDT could consider a reduction in service for a rest area or truck parking area where the summation of upstream and downstream segment distances is less than the 70-mile analysis distance. Using this method, potential redundant sites include the Alberton Truck Parking Area, Barretts Truck Parking Area, Custer Rest Area, Gold Creek Rest Area, Jefferson City Rest Area, Lyons Creek Truck Parking Area, Red Rock Truck Parking Area, Rock Creek Truck Parking Area, Teton River Rest Area, and Wibaux Rest Area.

Signed Route	Corridor	Beginning Location	Ending Location	Mileage
		NHS Interstate		
I-90	C000090W	Sheridan, WY Rest Area	Billings (Urban Area)	128
I-90	C000090E	Billings (Urban Area)	Sheridan, WY Rest Area	128
I-15	C000015S	Divide (South) Rest Area	Lima Rest Area	93
I-15	C000015N	Lima Rest Area	Divide (North) Rest Area	93
		NHS Non-Interstate		
US-2	C000001E	Culbertson Rest Area	Havre (Urban Area)	262
US-2	C000001E	Columbia Falls (Urban Area)	Havre (Urban Area)	245
MT-200	C000057E	Mosby Rest Area	Glendive (Urban Area)	164
US-191, MT-19, US-87	C000061N	Malta (City/Town)	Roundup (City/Town)	157
MT-200	C000024E	Clearwater Junction Rest Area	Great Falls (Urban Area)	107
US-87	C000010N	Great Falls (Urban Area)	Havre (Urban Area)	107

Table 3.1 Corridor Segments Exceeding 70 Miles (Year-round Rest Areas Only)

Signed Route	Corridor	Beginning Location	Ending Location	Mileage
US-2	C000001E	Troy Rest Area	Kalispell (Urban Area)	103
US-212	C000037E	Broadus Rest Area	Crow Agency (City/Town)	103
US-212	C000023S	Broadus Rest Area	Belle Fourche, SD (City/Town)	93
US-191	C000050N	West Yellowstone Rest Area	Bozeman (Urban Area)	82
US-191, US-87	C000057E	Armington Junction Rest Area	Lewistown (Urban Area)	82
MT-59	C000023S	Broadus Rest Area	Miles City (Urban Area)	79
US-87, MT-200	C000057E	Mosby Rest Area	Lewistown (Urban Area)	77
Primary				
US-12	C000002E	Miles City (Urban Area)	Mobridge, SD (City/Town)	288
MT-200	C000006E	Ravalli (City/Town)	Sandpoint, ID (City/Town)	149
US-12	C000014E	Roundup (City/Town)	Forsyth (City/Town)	101
US-12	C000014E	Harlowton Rest Area	Townsend (City/Town)	101
MT-83	C000083N	Clearwater Junction Rest Area	Bigfork (City/Town)	91
MT-59	C000054N	Broadus Rest Area	Gillette, WY (City/Town)	82
US-89	C000060N	Armington Junction Rest Area	White Sulphur Springs (City/Town)	71
Route 323	C000323S	Ekalaka (City/Town)	Alzada (City/Town)	71
MT-200	C000051E	Circle (City/Town)	Sidney (City/Town)	71

Source: DOWL, 2019. Beginning and ending locations are approximated at the closest reference point.

Table 3.2 Corridor Segments Exceeding 70 Miles (All Rest Areas/Truck Parking Areas)

Signed Route	Corridor	Beginning Location	Ending Location	Mileage	
NHS Interstate					
I-90	C000090W	Sheridan, WY Rest Area	Hardin (West) Rest Area	103	
I-90	C000090E	Hardin (East) Rest Area	Sheridan, WY Rest Area	103	
		NHS Non-Interstate			
US-191, MT-19, US-87	C000061N	Malta City Park Rest Area	Roundup City Park Rest Area	157	
US-2	C000001E	Culbertson Rest Area	Vandalia Rest Area	118	
MT-200	C000024E	Clearwater Junction Rest Area	Great Falls (Urban Area)	107	
US-2	C000001E	Troy Rest Area	Kalispell (Urban Area)	103	
US-212	C000037E	Broadus Rest Area	Crow Agency (City/Town)	103	
US-212	C000023S	Broadus Rest Area	Belle Fourche, SD (City/Town)	93	
US-2	C000001E	Malta City Park Rest Area	Havre (Urban Area)	88	
MT-200	C000057E	Flowing Wells Rest Area	Mosby Rest Area	88	
US-93	C000005N	Ravalli Hill Parking Area	Kalispell (Urban Area)	83	
US-191	C000050N	West Yellowstone Rest Area	Bozeman (Urban Area)	82	
US-191, US-87	C000057E	Armington Junction Rest Area	Lewistown City Park Rest Area	80	
MT-59	C000023S	Broadus Rest Area	Miles City (Urban Area)	79	
US-87, MT-200	C000057E	Mosby Rest Area	Lewistown (Urban Area)	77	
US-310	C000004N	Bridger Rest Area	Greybull, WY Rest Area	77	
MT-200	C000057E	Flowing Wells Rest Area	Glendive (Urban Area)	77	
US-87	C000010N	Big Sandy City Park Rest Area	Great Falls (Urban Area)	76	
	_	Primary		-	
US-12	C000002E	Locate Parking Area	Mobridge, SD (City/Town)	248	
MT-200	C00006E	Ravalli Hill Parking Area	Sandpoint, ID (City/Town)	149	
US-12	C000014E	Roundup City Park Rest Area	Forsyth (City/Town)	101	
US-12	C000014E	Harlowton Rest Area	Townsend (City/Town)	101	
MT-83	C000083N	Clearwater Junction Rest Area	Bigfork (City/Town)	91	

Signed Route	Corridor	Beginning Location	Ending Location	Mileage
MT-59	C000054N	Broadus Rest Area	Gillette, WY (City/Town)	82
MT-43	C000046E	Lost Trail Pass Rest Area	I-15	77
MT-24	C000042N	Flowing Wells Rest Area	Glasgow (City/Town)	76
US-89	C000060N	Armington Junction Rest Area	White Sulphur Springs (City/Town)	71
Route 323	C000323S	Ekalaka (City/Town)	Alzada (City/Town)	71
MT-200	C000051E	Circle (City/Town)	Sidney (Urban Area)	71

Source: DOWL, 2019. Beginning and ending locations are approximated at the closest reference point.

Attachment 1

FLOWCHART



Attachment 2 SITE EVALUATION FORMS

Site Scoring & Scoring Definitions			
Site Name:	Alberton East PA		
Date:	5/15/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas.
	Pavement Condition	G	Good: Fonding of large areas of water retention. Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.
	Exterior Lighting	Р	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.
	Landscaping/Lawn Areas	G	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site	Sidewalks	F	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.
	Site Signage	Р	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns.

Site Scoring & Scoring Definitions				
Site Name:	Alberton West PA			
Date:	5/15/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition	
			Good: No ponding or flat areas.	
	Drainage Condition	G	Fair: Some ponding and flat areas.	
			Poor: Ponding or large areas of water retention.	
			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
Pavement	Pavement Condition	F	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Deveneent Strining		Good: Functional, adequate coverage.	
	Pavement Striping	F	Fair: Functional, some deterioration.	
	Quanty		Poor: Non-functional and deteriorated.	
			Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	Р	Fair: High pressure sodium lighting provided for 3-4 areas.	
			Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
		G	Good: Plants/grass are alive & appear healthy.	
			Fair: Plants/grass are alive but do not appear healthy.	
	Alcas		Poor: Plants/grass are not alive.	
			Good: Functional, well-maintained, clean, and in good condition.	
	Picnic Areas	Р	Fair: Functional, some maintenance/cleaning required.	
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Jite	Sidewalks	Р	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Good: Directs traffic properly, indicates site areas, and good condition.	
	Site Signage	G	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	Extorior Wasto		Good: Good appearance, receptacles with lids.	
	Recentacles	G	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water	Operation &		Good: New; no operation and maintenance concerns.	
System	Maintenance	Р	Fair: Aged; minor operation and maintenance concerns.	
			Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted	Operation &		Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns.	
Toilet	Maintenance	F	Fair: Structure aged, some deterioration; minor operation and maintenance concerns.	
. onet			Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure	

Site Name:	Site Scoring & Scoring Definitions		
Date:	6/1/2018	Inspector:	J. Potts
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Fair: Meets 85 percent of current 2016 demand.
		1	Excellent: Meets less than 85 percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition		Good: No ponding or flat areas.
	brainage contaction	· ·	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Simooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1°.
			Poor Pourbe surface creates > 2" wide, will defined active creating rule will be a surface creates > 2" wide, some frequencies activity of activity and active > 2".
			Excellent: New excellent condition.
	Pavement Striping		Good: Functional. adequate coverage.
	Quality	G	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	6	Good: 11 to 15 years remaining.
	Life	, , , , , , , , , , , , , , , , , , ,	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	G	Good: High pressure sodium lighting provided for all 4 areas.
			raii. High pressure sodium lighting provided for 2-3 areas.
			Excellent: New landscaning, nlants/grass alive and healthy
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Dispis Aroos	6	Good: Functional, well-maintained, clean.
	Fichic Aleas		Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
one			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good Directs traffic properly indicates site areas
	Site Signage	E	Fair: Neressities are signed, fair appearance.
			Poor: Missing signage or unreadable.
		<u> </u>	Excellent: New receptacles, excellent appearance.
	Exterior Waste	6	Good: Good appearance, receptacles with lids.
	Receptacles	G	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
			Poor: Continuous odor problem
		1	Good' No cracks or separation level
	Floor Condition	E	Fair: Some wear and minor imperfections
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior 11 1 1	I .	Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	l f	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.
		l `	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	G	Good: 30 to 44 years remaining
Structure	Life		Fail. 10 to 29 years remaining
			Excellent: New numbing fixtures, excellent condition
	Restroom Plumbing	1	Good: Good fixture and piping appearance: no leaks
	Fixtures	G	Fair: Functional some maintenance required.
	i interes		Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Destroom Ctalls		Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
		Ī	Fair: Watertight, some maintenance needed.
		L	Poor: Leaking and deteriorated.
		1	Excellent: New siding, excellent condition.
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.
		1	Fail. Sound, weatherproof, some wear and tear.
			Pool. Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions			
Site Name:	Anaconda RA			
Date:	6/1/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to	_	Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	E	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Pool. existing observed problems with quantity, source does not have tapacity for existing demand.	
			Good: Storage is adequate to meet calculated existing and future peek instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		bedauge is additional determined and the performance of the satisfied through the addition of five or less additional determined and the satisfied through the addition of five or less additional	
	Meet Peak	_	pressure tanks.	
	Instantaneous	F	Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be	
	Demand		satisfied through the addition of five or less additional pressure tanks.	
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be	
			satisfied with five or less additional pressure tanks.	
Water	Operation &	_	Excellent: New; no operation and maintenance concerns.	
	Maintenance	F	Fair: Aged; minor operation and maintenance concerns.	
			Poor: Multiple operation and maintenance concerns; indications of system failure.	
	Backflow Prevention	E	Processory and a second s	
			From the prevention is not included on migation system mine in domestic and migation source are the same.	
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	(Transient Non-		Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	community	G	disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.	
	Remaining Service Life		Excellent: 16 to 20 years remaining.	
		F	Good: 11 to 15 years remaining.	
			Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: On-site advanced system.	
	Treatment System	G	Fair: On-site sepite drainfield gravity system	
			Poor: Other.	
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.	
	Wastewater Design	F	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.	
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.	
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.	
Wastewater	Operation &		Excellent: No operation and maintenance concerns.	
mustemate.	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.	
			Poor: Multiple operation and maintenance concerns; indications of system failure.	
			Excellent: Drainfield area to available area ratio is less than 5.	
	Site Constraints	E	Good: praintield area to available area ratio is between 5 and 10.	
			Poor: Drainfield area to available area ratio is greater than 15	
			Excellent: 16 to 20 years remaining.	
	Remaining Service		Good: 11 to 15 years remaining.	
	Life	F	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: 10 or more amenities	
Amonitios	Number of Amerities	E	Good: 5 to 9 amenities	
Amenities	Number of Amenities		Fair: 1 to 4 amenities	
			Poor: No amenities	

	Site Scoring & Scoring Definitions			
Site Name:	Armington Jct. RA			
Date: Element	4/26/2018	Site Petine	L. Deverniero	
Liement		Site Rating	Excellent: Meets future 2036 demand (and current demand).	
	Passenger Vehicle	-	Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
			Fair: Some ponding and flat areas.	
Parking & Pavement			Poor: Ponding or large areas of water retention. Excellent: New payement, no cracking or rutting	
. avenent			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
	Pavement Condition	F	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	F	Good: Functional, adequate coverage.	
	Quanty		Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining. Excellent: LED lighting provided for all 4 proce (parting proce, building patrice, bighupurames, and wallways)	
			Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	F	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are aive but do not appear healthy.	
			Excellent: New picnic facilities, excellent condition.	
	Dissis Asses		Good: Functional, well-maintained, clean.	
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Fair: Adequate connectivity, minimal deterioration	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	F	Good: Directs traffic properly, indicates site areas.	
			Fair: Necessities are signed, fair appearance.	
			Fycellent: New recentacles, excellent annearance	
	Exterior Waste		Good: Good appearance, receptacles with lids.	
	Receptacles		Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	Р	Excellent: No odor problem	
			Excellent: New flooring, excellent condition.	
			Good: No cracks or separation, level.	
	Floor Condition	F	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.	
			Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Remaining Service		Good: 30 to 44 years remaining	
Chrysterro	Life	Р	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	F	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required. Poor: Leaking and damaged, or no nlumbing fixtures provided	
	-		Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	F	Good: Meets current 2016 demand.	
	Restroom Stans	-	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Good: Watertight, no signs of deterioration, maintenance free.	
	Roofing	E	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.	
			Pair. Sound, weatnerproof, some wear and tear. Poor: Deteriorated. leaking. significant air infiltration.	
			0, 0, 0	

			Site Scoring & Scoring Definitions
Site Name:	Armington Jct. RA		
Date:	4/26/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	Р	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: storage is adequate to meet calculated existing and future peak instantaneous demand.
	Storago Canability to		Good, storage is adequate to meet calculated existing peak instantianeous demand but not adequate to meet calculated uture paak instantaneous demand. Enture storage requirement can be satisfied through the addition of five or less additional
	Meet Peak		peak instanteous uentanu. Future storage requirement can be satismed through the addition of nive of less additional provising tanks
	Instantaneous	F	Fair: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be
	Demand		satisfied through the addition of five or less additional pressure tanks
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water	a a		Excellent: New; no operation and maintenance concerns.
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	F	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	backnow recention	-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	community Monitoring Regulations)	F	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
			disinfection based on well construction details or treatment and/or disinfection is currently provided.
			Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		G	Good. 11 to 15 years remaining.
			Poor: Oto Syears remaining
	Municipal System	NO	Excellent: Connected to a municipal system.
	iviunicipai system		Excellent: On-site advanced system.
		_	Good: On-site septic drainfield, dosed with a pump.
	Treatment System	G	Fair: On-site septic drainfield, gravity system.
			Poor: Other.
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Wastewater Design	6	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow	, s	Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastewater	Operation &		Excellent: No operation and maintenance concerns.
	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.
			Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	G	Good: Drainfield area to available area ratio is between 5 and 10.
			Point: Devide data to dvaliable area tatio is between 10 and 15.
			Foor. Draimieto dea to available area ratio is greater triali 15. Evrallant: 16 to 3 years remaining
	Remaining Service		Good: 11 to 15 years remaining
	Remaining Service	F	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
		_	Good: 5 to 9 amenities
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities
			Poor: No amenities

Site Name:	Site Scoring & Scoring Definitions		
Date:	10/25/2017	Inspector:	J. Potts
Element		Site Rating	Definition
Parking & Pavement	Passenger Vehicle Parking Stalls	E	Excellent: Meets future 2036 demand (and current demand). Good: Meets current 2016 demand. Fair: Meets 85 percent of current 2016 demand. Poor: Meets less than 85 percent of current 2016 demand.
	Truck Parking Stalls	Р	Excellent: Meets future 2036 demand (and current demand). Good: Meets current 2016 demand. Fair: Meets 85 percent of current 2016 demand. Poor: Meets less than 85 percent of current 2016 demand.
	Drainage Condition	G	Excellent: New parking area, no ponding or flat areas. Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention.
	Pavement Condition	G	Excellent: New pavement, no cracking or rutting. Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Pavement Striping Quality	G	Excellent: New, excellent condition. Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
	Exterior Lighting	G	Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Good: High pressure sodium lighting provided for all 4 areas. Fair: High pressure sodium lighting provided for 2-3 areas. Poor: No exterior lighting.
	Landscaping/Lawn Areas	F	Excellent: New landscaping, plants/grass alive and healthy. Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.
Site	Picnic Areas	G	Excellent: New picnic facilities, excellent condition. Good: Functional, well-maintained, clean. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.
	Sidewalks	G	Excellent: New sidewalks, no deterioration. Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.
	Site Signage	G	Excellent: New signage, excellent condition. Good: Directs traffic properly, indicates site areas. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.
	Exterior Waste Receptacles	G	Excellent: New receptacles, excellent appearance. Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
	Floor Condition	G	Excellent: New flooring, excellent condition. Good: No cracks or separation, level. Fair: Some wear and minor imperfections. Poor: Deteriorated and unattractive.
	Interior Lighting	F	Excellent: New LED interior lighting, excellent condition. Good: Good illumination, high efficiency LED fixtures. Fair: Sufficient illumination, older high pressure sodium fixtures. Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
	Paint	G	Excellent: New paint, excellent condition. Good: Adequate coverage, no signs of chipping/pealing. Fair: Some maintenance required for isolated areas. Poor: Entire repaint needed.
Structure	Remaining Service Life	Р	Excellent: 45 to 50 years remaining Good: 30 to 44 years remaining Fair: 10 to 29 years remaining Poor: 0 to 9 years remaining
	Restroom Plumbing Fixtures	F	Excellent: New plumbing fixtures, excellent condition. Good: Good fixture and piping appearance; no leaks. Fair: Functional, some maintenance required. Poor: Leaking and damaged, or no plumbing fixtures provided.
	Restroom Stalls	E	Excellent: Meets future 2036 demand (and current demand). Good: Meets current 2016 demand. Fair: Meets 85 percent of current 2016 demand. Poor: Meets less than 85 percent of current 2016 demand. Currented to the mean field and the current 2016 demand.
	Roofing	G	Exceilent: New roofing, excellent condition. Good: Watertight, no signs of deterioration, maintenance free. Fair: Watertight, some maintenance needed. Poor: Leaking and deteriorated.
	Siding	G	Excellent: New siding, excellent condition. Good: Sound, weatherproof, tight, good finish, maintenance free. Fair: Sound, weatherproof, some wear and tear. Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions				
Site Name:	BadRoute RA				
Date:	10/25/2017	Inspector:	J. Potts		
Element	•	Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	G	pressure tanks.		
	Instantaneous		Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be		
	Demana		satisfied through the addition of tive or less additional pressure tanks.		
			Poor: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement cannot be		
Mater			Satisfied with the oriess additional pressure talks.		
water	Operation &	-	Excellent: New, no operation and maintenance concerns.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure		
			From manyie operation and many endowing concerning in according to system many.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for collorm bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	(Transient Non-		Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	community	F	disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Monitoring		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
	Regulations)		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	Р	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Treatment System	F	Good: On-site septic drainfield, dosed with a pump.		
			Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &	6	Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: winor operation and maintenance concerns or level il treatment system.		
			Pool. Multiple operation and maintenance concerns; indications or system failure.		
			Good: Desinficial area to available area ratio is less than 5.		
	Site Constraints	G	Social Diaminetical area to available area ratio is between 5 and 10.		
			Point: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service		Good: 11 to 15 years remaining		
	Life	E	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
		_	Good: 5 to 9 amenities		
Amenities	Number of Amenities	s E	Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions				
ite Name:	Barretts RA				
ate:	5/31/2018	Inspector:	J. Potts		
lement		Site Rating	Definition		
avement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention.		
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.		
ite	Exterior Lighting	Р	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.		
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.		
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.		
	Sidewalks	Р	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.		
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.		
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
/ater ystem	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.		
aulted oilet	Operation & Maintenance	Р	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure		

	Site Scoring & Scoring Definitions			
Site Name:	Bearmouth East RA			
Date:	6/1/2018	Inspector:	J. Potts	
Element	1	Site Rating	Definition Excellent: Meets future 2026 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	E	Good: Meets current 2016 demand.	
		_	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	E	Fair: Some nonding and flat areas	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Payament Condition		Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
	Pavement condition		Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	G	Good: Functional, adequate coverage.	
	Quality		Pair. Functional, some deteriorated	
		-	Excellent: 16 to 20 years remaining.	
	Remaining Service	_	Good: 11 to 15 years remaining.	
	Life	E	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	E	Good: High pressure sodium lighting provided for all 4 areas.	
		_	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
	Londssoning (Lown		Excellent: New landscaping, plants/grass alive and healthy.	
		E	Good, Finits/grass are line or appear healthy.	
	Arcus		Poor Plants/grass are not alive	
			Excellent: New picnic facilities, excellent condition.	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required.	
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Sile			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Keelent: new signage, excellent condition.	
	Site Signage	E	Fair: Necessities are signed fair annearance	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	-	Good: Good appearance, receptacles with lids.	
	Receptacles	E	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	E	Solution Charles of Separation, reven	
			Poor: Deteriorated and unattractive	
			Excellent: New LED interior lighting, excellent condition.	
			Good: Good illumination, high efficiency LED fixtures.	
	Interior Lighting	E	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	E	Good: Adequate coverage, no signs of chipping/pealing.	
			Fair: Some maintenance required for isolated areas.	
		-	Poor: Entire repairt needed.	
	Romaining Service		Excellent: 45 to 50 years remaining	
	Life	E	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	-	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	E	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	Е	Good: Meets current 2016 demand.	
			Fair: Meets 85 percent of current 2016 demand.	
	-		From invests is that 65 percent of current 2010 demand.	
			Good: Watertight , no signs of deterioration, maintenance free.	
	Roofing	E	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Stanig	l .	Fair: Sound, weatherproof, some wear and tear.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions			
Site Name:	Bearmouth East RA			
Date:	6/1/2018	Inspector:	J. Potts	
Element	•	Site Rating	Definition	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	E	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Meet Peak	E	pressure tanks.	
	Instantaneous		Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be	
	Demand		satisfied through the addition of five or less additional pressure tanks.	
			Poor: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement cannot be	
Mater			Satisfied with the oriess additional pressure tarks.	
water	Operation &	F	Fire Ared, million and maintenance concerns	
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure	
			From manyie operation and many endowing concerning in according to system many.	
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
			Excellent: No history of water quality violations for collorm bacteria or nitrates within the past five years. Water system does not	
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	(Transient Non-		Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	community	E	disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Monitoring		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
	Regulations)		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.	
	Remaining Service Life		Excellent: 16 to 20 years remaining.	
		-	Good: 11 to 15 years remaining.	
		E	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: On-site advanced system.	
	Treatment System	E	Good: On-site septic drainfield, dosed with a pump.	
			Fair: On-site septic drainfield, gravity system.	
			Poor: Other.	
	Wastewater Design	Р	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.	
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.	
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.	
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.	
Wastewater	Operation &	6	excellent: No operation and maintenance concerns.	
	Maintenance	G	Good: winor operation and maintenance concerns or level il treatment system.	
			Pool. Multiple operation and maintenance concerns; indications or system failure.	
			Good: Designed area to available area ratio is less than 5.	
	Site Constraints	Р	Fair: Drainfield area to available area ratio is between 10 and 15	
			Poor: Drainfield area to available area ratio is greater than 15	
			Excellent: 16 to 20 years remaining.	
	Remaining Service Life		Good: 11 to 15 years remaining.	
		E	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: 10 or more amenities	
			Good: 5 to 9 amenities	
Amenities	Number of Amenities	S E	Fair: 1 to 4 amenities	
			Poor: No amenities	

Site Name:	Site Scoring & Scoring Definitions		
Date:	6/1/2018	Inspector:	J. Potts
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	E	Good: Meets current 2016 demand.
			Poor: Meets Spercent of current 2016 demand
			Excellent: New parking area no ponding or flat areas
			Good: No nonding or flat areas
	Drainage Condition	E	Fair: Some honding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Devement Condition	-	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement Condition	E	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	E	Good: Functional, adequate coverage.
	Quality	_	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	E	Good: 11 to 15 years remaining.
	Life		Fail. 6 to 10 years remaining.
			Pool. 0 to 5 years ternaming.
			Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 4-3 areas
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	F	Good: Functional, well-maintained, clean.
	. iene / i cus	-	Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
			Excellent: New sidewalks, no deterioration.
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some detenoration.
		-	Fool: Discontinuous, detentionated.
			Good: Directs traffic properly, indicates site areas.
	Site Signage	E	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	F	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
		_	Poor: Continuous odor problem
			Social Ne section local
	Floor Condition	E	Solution States of separation, revel.
			Poor: Deteriorated and unattractive
			Excellent: New IFD interior lighting, excellent condition.
			Good: Good illumination. hish efficiency LED fixtures.
	Interior Lighting	E	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Doint		Good: Adequate coverage, no signs of chipping/pealing.
	Failt		Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	E	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: 0 to 9 years remaining
	Postroom Dlumbing		Excellent: new plumbing instares, excellent condition.
	Restroom Plumbing	E	Good: Good insture and piping appearance; no leaks.
	FIXUIES		Poor: Leaking and damaged or no numbing fittures provided
			Fool: Country and damaged, or no pranting instances provided.
			Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
		l .	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	E	Good: Sound, weatherproof, tight, good finish, maintenance free.
			Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions			
Site Name:	Bearmouth West RA			
Date:	6/1/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	E	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Instantaneous	E	pressure tariks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be	
	Demand		satisfied through the addition of five or loss additional prossure tasks.	
	Jennana -		satisfied childugh the addition of the of less additional pressure tails.	
			satisfied with five class additional pressure tanks	
Water			Excellent: New; no operation and maintenance concerns.	
	Operation &	E	Fair: Aged; minor operation and maintenance concerns.	
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.	
		-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.	
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not	
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	(Transient Non-	-	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	Monitoring	E	disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service Life	Е	Good: 11 to 15 years remaining.	
		_	Fair: 6 to 10 years remaining.	
			Poor: U to 5 years remaining.	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: On-site advanced system.	
	Treatment System	E	Solu. On-site septic drainfield, gravity extem	
			Poor Other	
			Fool. Other.	
	Wastewater Design Flow	Р	Good: 2056 projected design flow acceed the estimated existing wastewater system design flow.	
			Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.	
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.	
		G	Excellent: No operation and maintenance concerns.	
Wastewater	Operation &		Good: Minor operation and maintenance concerns or level II treatment system.	
	Wantenance		Poor: Multiple operation and maintenance concerns; indications of system failure.	
			Excellent: Drainfield area to available area ratio is less than 5.	
	Site Constraints	Р	Good: Drainfield area to available area ratio is between 5 and 10.	
	Site constraints		Fair: Drainfield area to available area ratio is between 10 and 15.	
			Poor: Drainfield area to available area ratio is greater than 15.	
	Remaining Service Life		Excellent: 16 to 20 years remaining.	
		E	Good: 11 to 15 years remaining.	
			Fair: 6 to 10 years remaining.	
			Poor: U to 5 years remaining.	
Amenities		E	Excellent: 10 or more amenities	
	Number of Amenities		Good: 5 to 9 amenities	
			Fdil. 1 LO 4 dilletilles	
			FOUL NU dificilities	

Site Name:	Site Scoring & Scoring Definitions			
Date:	10/19/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Vehicle	E	Good: Meets current 2016 demand.	
	Parking Stalls		Pair: Meets less than 85 percent of current 2016 demand	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Darking Stalls	р	Good: Meets current 2016 demand.	
	Truck Parking Stalls	P	Fair: Meets 85 percent of current 2016 demand.	
		-	Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	F	Good: No ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Payament Condition	6	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
	avenient condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Dovoment Strining		Excellent: New, excellent condition.	
	Quality	G	Fair: Functional, some deterioration	
	quanty		Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	P	Good: 11 to 15 years remaining.	
	Life	F	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	G	Good: High pressure sodium lighting provided for 2.3 areas	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	F	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required	
			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site			Excellent: New sidewalks, no deterioration.	
	Sidowalks	6	Good: Adequate connectivity, minimal deterioration.	
	Sidewalks	0	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	G	Fair: Necessities are signed fair annearance	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	G	Good: Good appearance, receptacles with lids.	
	Receptacles	ů.	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	E	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	G	Good, Good Illumination, high efficiency LED fixtures.	
			Poor: Unsafe illumination, antiguated fixtures. or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	6	Good: Adequate coverage, no signs of chipping/pealing.	
			Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Remaining Comila		Excellent: 45 to 50 years remaining	
	Remaining Service	G	Good: 30 to 44 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing		Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Boofing	6	Good: Watertight , no signs of deterioration, maintenance free.	
			Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent, New Siding, excellent condition.	
	Siding	E	Fair: Sound, weatherproof, tight, good minist, maintenance nee.	
			Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions			
Site Name:	Bozeman RA			
Date:	10/19/2017	Inspector:	J. Potts	
Element	•	Site Rating	Definition	
	Municipal System	E	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	-	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Instantanoous	-	pressure tarks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be	
	Demand		satisfied through the addition of five or less additional pressure tanks	
			Poor: Storage is not adequate to meet existing a durine neak instantaneous demand. Future storage requirement cannot be	
			satisfied with five or less additional pressure tanks.	
Water	a .: a		Excellent: New; no operation and maintenance concerns.	
	Operation &	-	Fair: Aged; minor operation and maintenance concerns.	
	waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.	
	Backflow Prevention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.	
	backnow rievendon	_	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not	
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	community	-	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
			Poor: Recurring history of water quality violations for colliform bacteria or nitrates.	
	Remaining Service		Good: 11 to 15 years remaining	
	Life	-	Fair: 6 to 10 years remaining	
			Poor: 0 to 5 years remaining.	
	Municipal System	E	Excellent: Connected to a municipal system.	
			Excellent: On-site advanced system.	
	Treatment System		Good: On-site septic drainfield, dosed with a pump.	
	Treatment System	-	Fair: On-site septic drainfield, gravity system.	
			Poor: Other.	
		-	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.	
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.	
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.	
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.	
Wastewater	Operation &	-	Excellent: No operation and maintenance concerns.	
	Maintenance		Fair: Minor operation and maintenance concerns or level II treatment system.	
			Pool. Multiple operation and maintenance concerns; indications or system failure.	
			Good: Drainfield area to available area ratio is test wants 5 and 10	
	Site Constraints	-	Fair: Drainfield area to available area ratio is between 10 and 15.	
			Poor: Drainfield area to available area ratio is greater than 15.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service Life	-	Good: 11 to 15 years remaining.	
			Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
Amenities		E	Excellent: 10 or more amenities	
	Number of Amenities		Good: 5 to 9 amenities	
			Fair: 1 to 4 amenities	
			Poor: No amenities	

	Site Scoring & Scoring Definitions			
Site Name:	Bridger RA			
Date:	10/31/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
	Deccenger Vehicle		Excellent: Meets future 2036 demand (and current demand).	
	Passenger Venicie Parking Stalls	E	Guou. Meets current 2016 demand.	
	r arking stans		Poor: Meets as percent of current 2016 demand	
		1	Excellent: Meets future 2036 demand (and current demand).	
		_	Good: Meets current 2016 demand.	
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
			Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellenc: New pavement, no cracking or rutting.	
	Pavement Condition	G	Fair: Moderately rough surface cracking 3/8" to 3" wide some network cracking rutting depths < 1 .	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths 1 2 2	
			Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	F	Good: high pressure sodium lighting provided for all 4 areas.	
			raii. High pressure sodium lighting provided for 2-3 areas.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.	
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picpic Aroos	6	Good: Functional, well-maintained, clean.	
	Picific Areas	, , , , , , , , , , , , , , , , , , ,	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
one			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
		-	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Score Direct staffic groups wilding to an an an and a start star	
	Site Signage	G	Four Nerestities are simpled for annearance	
			Poor Missing signage or unreadable	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste		Good: Good appearance, receptacles with lids.	
	Receptacles	G	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Eacility Ventilation	F	Excellent: No odor problem	
	ruenty renaution	-	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	G	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
			Four Detenorated and unattractive.	
			Good: Good illumination, high efficiency LED fixtures	
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Delint	Ι.	Good: Adequate coverage, no signs of chipping/pealing.	
	Paint	F F	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	F	Good: 30 to 44 years remaining	
Structure	Life		Fair: 10 to 29 years remaining	
			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required.	
			Poor Leaking and damaged, or no prumping instures provided. Excellent: Meets future 2036 demand (and current demand)	
			Good: Meets current 2016 demand.	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
		I .	Good: Watertight , no signs of deterioration, maintenance free.	
	Rooting	l f	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	6	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Stang		Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions				
Site Name:	Bridger RA				
Date:	10/31/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
	Champer Court III to the		Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Source storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated nuture pack instantaneous demand. Exiting storage requirement can be satisfied through the addition of five or loss additional		
	Meet Peak		peak instantieus demand. Tuture storage requirement can be satisfied through the adultion of five or less adultional pressure tanks		
	Instantaneous	E	Fair: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks.		
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	Our such and		Excellent: New; no operation and maintenance concerns.		
	Operation & Maintonanco	F	Fair: Aged; minor operation and maintenance concerns.		
	Wantenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for colliform bacteria or nitrates within the past five years.		
		-	Poor. Recurring instory of water quarty violations for comornin bacteria of intrates.		
	Remaining Service		Good: 11 to 15 years remaining		
	Life	E	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Trootmont System	G	Good: On-site septic drainfield, dosed with a pump.		
	Treatment System	6	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
		G	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &		Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: Willing operation and maintenance concerns or level it treatment system.		
			Fool. Duringle draw available area ratio is less than 5		
			Good: Drainfield area to available area ratio is between 5 and 10		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	Ρ	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
Amenities		E	Excellent: 10 or more amenities		
	Number of Amenities		Good: 5 to 9 amenities		
			Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions			
Site Name:	Broadus RA			
Date:	10/25/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Venicie Parking Stalls	E	Guou. Meets current 2016 demand.	
	r arking stans		Poor: Meets as percent of current 2016 demand	
		1	Excellent: Meets future 2036 demand (and current demand).	
		_	Good: Meets current 2016 demand.	
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
			Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	E	Fair: Moderately rough surface, cracking 3/8" to 3" wide some network cracking rutting depths < 1 .	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths 1 2 .	
			Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	E	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	G	Good: high pressure sodium lighting provided for all 4 areas.	
			raii. High pressure sodium lighting provided for 2-3 areas.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.	
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Dispis Areas	6	Good: Functional, well-maintained, clean.	
	Picfile Areas	, , , , , , , , , , , , , , , , , , ,	Fair: Functional, some maintenance/cleaning required.	
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
	Sidemands	, i	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	G	Good: Directs trainic property, indicates site areas.	
			Fair: Necessities are signed, fair appearance.	
			Foor wissing signage of unreaduate.	
	Exterior Waste		Good: Good appearance, recentacles with lids.	
	Receptacles	G	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
			Excellent: No odor problem	
	Facility ventilation	P	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	Р	Good: No cracks or separation, level.	
		l .	Fair: Some wear and minor imperfections.	
		L	Poor: Deteriorated and unattractive.	
			Excellent: New LED Interior lighting, excellent condition.	
	Interior Lighting	F	Sood, Good Illumination, righ enciency LED TIXTURES.	
			Poor: Unsafe illumination, order high pressure socium instructes.	
			Excellent: New paint, excellent condition.	
			Good: Adequate coverage, no signs of chipping/pealing.	
	Paint	Р	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service		Good: 30 to 44 years remaining	
Structure	Life	r i	Fair: 10 to 29 years remaining	
			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	F	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	l .	Fair: Functional, some maintenance required.	
		L	Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets Spercent of current 2016 demand	
			Poor: Meets less than 85 percent of current 2016 demand	
			Excellent: New roofing, excellent condition.	
			Good: Watertight , no signs of deterioration, maintenance free.	
	Roofing	G	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Ciding		Good: Sound, weatherproof, tight, good finish, maintenance free.	
	siding	G	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions				
Site Name:	ite Name: Broadus RA				
Date:	10/25/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily Demand	E	calculated future peak daily demand.		
			Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Channess Canada III the star		Good: storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement and he solitified through the addition of the set loss additional		
	Storage Capability to		peak instalitatieous dentaria. Future storage requirement can be satisfied through the addition of nee of less additional		
	Instantaneous	E	pressure taillis. Fair: Stearage is not adquiate to most existing or future peak instantaneous domand. Future stearage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks		
			Poor: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	a .: a		Excellent: New; no operation and maintenance concerns.		
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.		
	waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	F	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	backnow rrevention	-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community Monitoring	Р	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
			disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for colliform bacteria or nitrates.		
	Pompining Sorvico		Cool: 11 to 15 vars remaining.		
	Life	F	Solution by Galaxienaming.		
			Poor: Oto Sycars remaining		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
			Good: On-site septic drainfield, dosed with a pump.		
	Treatment System	G	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
	Wastewater Design Flow	E	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
			Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &		Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.		
			Pool. Multiple operation and maintenance concerns; indications or system failure.		
			Good: Desinficial area to available area ratio is less than 5.		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	G	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
		E	Excellent: 10 or more amenities		
Amenities	Number of Amenities		Good: 5 to 9 amenities		
			Fair: 1 to 4 amenities		
			Poor: No amenities		
	Site Scoring & Scoring Definitions				
------------	------------------------------------	-------------	------------------------------------------------------------------------------------------------------------------	--	
Site Name:	Clearwater Jct. RA				
Date:	6/2/2018	Inspector:	J. Potts		
Element		Site Rating	Definition Excellent: Meets future 2026 demand (and current demand)		
	Passenger Vehicle		Good: Meets current 2016 demand.		
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: Meets future 2036 demand (and current demand).		
	Truck Parking Stalls	E	Good: Meets current 2016 demand.		
		_	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New parking area, no ponding or flat areas.		
	Drainage Condition	G	Fair: Some nonding and flat areas		
Parking &			Poor: Ponding or large areas of water retention.		
Pavement			Excellent: New pavement, no cracking or rutting.		
	Payament Condition	6	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".		
	Pavement condition		Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".		
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
			Excellent: New, excellent condition.		
	Pavement Striping	F	Good: Functional, adequate coverage.		
	Quality		Poor: Non functional and distribution		
			Excellent: 16 to 20 years remaining.		
	Remaining Service		Good: 11 to 15 years remaining.		
	Life	Р	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).		
	Exterior Lighting	G	Good: High pressure sodium lighting provided for all 4 areas.		
			Fair: High pressure sodium lighting provided for 2-3 areas.		
			Poor: No exterior lighting.		
	Landscaning/Lawn		Good: Plants/grass are alive & annear healthy		
	Areas	E	Fair: Plants/prass are alive but do not appear healthy.		
			Poor: Plants/grass are not alive.		
			Excellent: New picnic facilities, excellent condition.		
	Picnic Aroos	6	Good: Functional, well-maintained, clean.		
	Fichic Areas		Fair: Functional, some maintenance/cleaning required.		
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.		
			Excellent: New sidewalks, no deterioration.		
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.		
			Poor: Discontinuous deteriorated		
			Excellent: New signage, excellent condition.		
	614 - 61		Good: Directs traffic properly, indicates site areas.		
	Site Signage	G	Fair: Necessities are signed, fair appearance.		
			Poor: Missing signage or unreadable.		
			Excellent: New receptacles, excellent appearance.		
	Exterior Waste	G	Good: Good appearance, receptacles with lids.		
	Receptacles		Fair: Fair appearance, receptacles without lids.		
			Poor: Poor appearance, receptacies without lids, or no receptacies provided.		
	Facility Ventilation	E	Poor: Continuous odor problem		
			Excellent: New flooring, excellent condition.		
	Flags Condition		Good: No cracks or separation, level.		
	Floor Condition	F	Fair: Some wear and minor imperfections.		
			Poor: Deteriorated and unattractive.		
			Excellent: New LED interior lighting, excellent condition.		
	Interior Lighting	F	Good: Good illumination, high efficiency LED fixtures.		
			Fair: Sufficient illumination, older nign pressure sodium fixtures.		
		-	Foor offsate mainfraction, antiquated instances, or no interior lighting provided.		
			Good: Adequate coverage, no signs of chipping/pealing.		
	Paint	G	Fair: Some maintenance required for isolated areas.		
			Poor: Entire repaint needed.		
			Excellent: 45 to 50 years remaining		
	Remaining Service	G	Good: 30 to 44 years remaining		
Structure	Life	0	Fair: 10 to 29 years remaining		
			Poor: 0 to 9 years remaining		
			Excellent: New plumbing fixtures, excellent condition.		
	Restroom Plumbing	F	Good: Good Tixture and piping appearance; no leaks.		
	FIXIUIES		Poor: Laking and damased or no humbing fittures provided		
			Excellent: Meets future 2036 demand (and current demand).		
	Destus and Challe	-	Good: Meets current 2016 demand.		
	Restroom Stalls	Ŀ	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New roofing, excellent condition.		
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.		
			Fail: waterlight, some maintenance needed.		
		-	Excellent: New siding, excellent condition.		
			Good: Sound, weatherproof, tight, good finish, maintenance free.		
	Siding	G	Fair: Sound, weatherproof, some wear and tear.		
			Poor: Deteriorated, leaking, significant air infiltration.		

			Site Scoring & Scoring Definitions
Site Name:	Clearwater Jct. RA		
Date:	6/2/2018	Inspector:	J. Potts
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Instantaneous	F	pressure tarks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be
	Demand		rain. Storage is not adequate to meet existing on outure peak instantaneous uemana. Future storage requirement can be
	Jennana -		satisfied childugh the addition of the of less additional pressure tails. Poor: Storage is not adequiste to meet existing or future head instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water			Excellent: New; no operation and maintenance concerns.
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	De shflow Desvention	-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality (Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
		G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Monitoring	J	disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		Р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
	Municipal Custom	NO	Poor: U to 5 years remaining.
	iviunicipal System	NO	Excellent: Connected to a municipal system.
		G	Good: On-site avanted a specific
	Treatment System		Eair: On-site sentic drainfield, gravity system
			Poor: Other.
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Wastewater Design	F	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastowator	Operation &		Excellent: No operation and maintenance concerns.
wastewater	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.
			Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	E	Good: Drainfield area to available area ratio is between 5 and 10.
			Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
	Demoising Complex		Conduct at a 15 users remaining.
	Remaining Service Life	Р	Eair: 6 to 10 years remaining
			Poor: 0 to 5 years remaining
			Excellent: 10 or more amenities
			Good: 5 to 9 amenities
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities
			Poor: No amenities

	Site Scoring & Scoring Definitions			
Site Name:	Columbus East RA			
Date:	10/24/2017	Inspector:	J. Potts	
Element	-	Site Rating	Definition	
	Passenger Vehicle		Sood: Meets current 2016 demand	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	F	Good: Meets current 2016 demand.	
			Fair: Meets 85 percent of current 2016 demand.	
			Excellent: New parking area no ponding or flat areas	
			Good: No ponding or flat areas.	
	Drainage Condition	E	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	E	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
		-	Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	E	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Е	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
			Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	E	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Excellent: New nichic facilities excellent condition	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required.	
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
one			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration. Poor: Discontinuous: deteriorated	
			Excellent: New signage, excellent condition.	
	a		Good: Directs traffic properly, indicates site areas.	
	Site Signage	E	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	E	Good: Good appearance, receptacles with lids.	
	neceptacies		Poor: Poor appearance, receptacles without lids, or no receptacles provided	
			Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	E	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
			Pool. Detenorated and unattractive. Excellent: New LED interior lighting, excellent condition	
			Good: Good illumination, high efficiency LED fixtures.	
	Interior Lighting	E	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	E	Good: Adequate coverage, no signs of chipping/pealing.	
			Fair: Some maintenance required for isolated areas.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	-	Good: 30 to 44 years remaining	
Structure	Life	E	Fair: 10 to 29 years remaining	
onactare			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	E	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Poor: Leaking and damaged or no nlumbing fixtures provided	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	F	Good: Meets current 2016 demand.	
	Restroom stans	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Good: Watertight no signs of deterioration maintenance free	
	Roofing	E	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	E	Good: Sound, weatherproof, tight, good finish, maintenance free.	
		1	Fair: Sound, weatherproof, some wear and tear.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Columbus East RA		
Date:	10/24/2017	Inspector:	J. Potts
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Meet Peak	F	pressure tanks.
	Demand		rail. storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be
	Demana		Boor: Stearage is not adjuste to most avieting or future pack instantaneous demand. Future stearage requirement capped be
			Fool. Stollage is not adequate to meet existing on other peak instantaneous demand. Foture storage requirement cannot be satisfied with five or less additional preserve tanks.
Water			Excellent: New: on operation and maintenance concerns.
water	Operation &	Е	Fair: Aged: minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.
		_	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	(Transient Non-	E	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Community		disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		F	Good: 11 to 15 years remaining.
		-	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: On-site advanced system.
	Treatment System	E	Good: On-site septic drainfield, dosed with a pump.
			Fair: Un-site septic drainfield, gravity system.
			Poor: Uther.
	Wastowator Dosign	Р	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow
			From projected design not exercise exercise exercise system design not
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	City Country into		Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	Р	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	F	Good: 11 to 15 years remaining.
		-	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
		_	Fair: 1 to 4 amenities
			Poor: No amenities

Site Name:	Site Scoring & Scoring Definitions		
Date:	10/31/2017	Inspector:	J. Potts
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	F	Good: Meets current 2016 demand.
	Parking Stalls	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	G	Good: Meets current 2016 demand.
			Poor: Most Les than 85 percent of current 2016 demand
			Fixed entry low process that as percent of current 2010 demand.
			Good: No ponding or flat areas.
	Drainage Condition	E	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Payament Condition		Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement condition		Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	E	Good: Functional, adequate coverage.
	Quality		Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
	Demoining Comise		Excellent: 16 to 20 years remaining.
	Remaining Service	E	Good: 11 to 15 years remaining.
	Life		Poor: O to years remaining.
			Fool: or of years comming. Excellent: LED lighting provided for all 4 areas (narking areas huilding entries highway ramps and walkways)
			Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	6	Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	E	Good: Functional, well-maintained, clean.
	r lane / a cas	_	Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
			Excellent: New sidewalks, no deterioration.
	Sidewalks	E	Good: Adequate connectivity, minimal detenioration.
			Poor Discotrigues devices and
			Excellent: New signage, excellent condition.
			Good: Directs traffic properly, indicates site areas.
	Site Signage	E	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	F	Good: Good appearance, receptacles with lids.
	Receptacles	-	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
			Poor: Continuous odor problem
			Good: No crack or constraint lovel
	Floor Condition	E	Educity for separation in the second se
			Poor Deteriorated and unattractive
			Excellent: New IED interior lighting, excellent condition.
		_	Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	E	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.
	i anic	-	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	E	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: 0 to 9 years remaining
	Postroom Dlumbing		Cool Cool fibrar and ising approximation to looks
	Fixtures	E	Good ood incure and piping appearance, no reas.
	Tixtures		Point - Leaking and damaged or no nlumbing fiftures provided
			For the stand of t
		_	Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
		l .	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	Е	Good: Sound, weatherproof, tight, good finish, maintenance free.
			Fair: Sound, Weatherproof, some wear and tear.
		L	Foor. Detenorated, leaking, significant an inflittration.

	Site Scoring & Scoring Definitions				
Site Name:	Columbus West RA				
Date:	10/31/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	F	pressure tanks.		
	Demand		Fair: Storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be		
	Demana		Boor: Stearage is not adjuste to most avieting or future pack instantaneous demand. Future stearage requirement capped be		
			Fool. Stollage is not adequate to meet existing on other peak instantaneous demand. Foture storage requirement cannot be satisfied with five or less additional preserve tanks.		
Water			Excellent: New: on operation and maintenance concerns.		
water	Operation &	Е	Fair: Aged: minor operation and maintenance concerns.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.		
		_	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	(Transient Non-	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Community		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		E	Good: 11 to 15 years remaining.		
		L .	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
		E	Excellent: On-site advanced system.		
	Treatment System		Good: Un-site septic drainfield, dosed with a pump.		
			Fair: Of-site septic drainied, gravity system.		
			Poor: Uniter.		
	Wastewater Design	Р	Excelent: Crutice estimated design how are less than the estimated estimated estimated estimated in the structure of the stru		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
			Excellent: No operation and maintenance concerns.		
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.		
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	Site Constraints		Good: Drainfield area to available area ratio is between 5 and 10.		
	Site Constraints	P	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	E	Good: 11 to 15 years remaining.		
		-	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
			Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions			
Site Name:	Conrad RA			
Date:	5/18/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
	r unning orans		Poor: Meets less than 85 percent of current 2016 demand.	
		1	Excellent: Meets future 2036 demand (and current demand).	
	Truck Decking Challe	-	Good: Meets current 2016 demand.	
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
Deubline O	-		Fair: Some ponding and flat areas.	
Parking & Pavement			Poor: Ponding or large areas of water retention.	
ravement			Good: Smooth surface, minor/bairling cracking few interconnecting cracks, rutting denths < 1"	
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide some network cracking rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	6	Good: Functional, adequate coverage.	
	Quality	, , , , , , , , , , , , , , , , , , ,	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	E	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
	-	-	Poor: 0 to 5 years remaining. Evcellent: LED lighting provided for all 4 areas (parking areas, building optrics, bighway ramps, and walkways)	
			Good: High pressure sodium lighting provided for all 4 areas	
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	F .	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	E	Good: Functional, well-maintained, clean.	
			Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Good: Adequate connectivity minmal deterioration	
	Sidewalks	E	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Sito Signago		Good: Directs traffic properly, indicates site areas.	
	Site Signage	- E	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	E	Good: Good appearance, receptacles with lids.	
	Receptacies		Fair: Fair appearance, receptacies without lids, or no recentrales annulad	
			Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition		Good: No cracks or separation, level.	
	Floor condition	Ğ	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
		I	Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	G	Good: Good illumination, high efficiency LED fixtures.	
		1	Fair: Sufficient illumination, older high pressure sodium fixtures.	
		L	Poor: Unsate illumination, antiquated fixtures, or no interior lighting provided.	
		1	Good' Adequate coverage no signs of chinning /nealing	
	Paint	E	Fair: Some maintenance required for isolated areas	
		1	Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	-	Good: 30 to 44 years remaining	
Structuro	Life	E	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	1	Fair: Functional, some maintenance required.	
		L	Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets Corrent of current 2016 demand	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
		1	Good: Watertight , no signs of deterioration, maintenance free.	
	Roofing	E	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Siding	l `	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Conrad RA		
Date:	5/18/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Municipal System	E	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	-	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
	Storage Conchility to		Source storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated nuture peak instantaneous demand. Exiting storage requirement can be solitified through the addition of flux or loss additional
	Moot Poak		peak instantaireous demand. Future storage requirement can be satisfied through the addition of nee or less additional prosting tanks
	Instantaneous	-	Fair: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be
	Demand		satisfied through the addition of five or less additional pressure tanks.
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water	Operation 9		Excellent: New; no operation and maintenance concerns.
	Maintenance	-	Fair: Aged; minor operation and maintenance concerns.
	Wantenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	community	-	Good: No history of water quality violations for collorm bacteria or nitrates within the past hve years. Water system requires
	Monitoring		aisinfection based on well construction defails or treatment and/or disinfection is currently provided.
	Regulations)		Paul Occasional water quality violations for conform bacteria or intrates within the past rive years.
			Fool - techning instory or water quarky violations for comon bacteria or initiates.
	Remaining Service Life		Good: 11 to 15 years remaining.
		-	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	E	Excellent: Connected to a municipal system.
	Treatment System	-	Excellent: On-site advanced system.
			Good: On-site septic drainfield, dosed with a pump.
			Fair: On-site septic drainfield, gravity system.
			Poor: Other.
	Wastewater Design		Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastewater	Operation &		Good: Minor constraint and maintenance concerns.
	Maintenance	-	Bood: Multino operation and maintenance concerns on level in treatment system.
			Excellent: Drainfield area to available area ratio is less than 5.
			Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	-	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service		Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	G	Good: 5 to 9 amenities
	, and the second s		Fair: 1 to 4 amenities
			Poor: No amenities

	Site Scoring & Scoring Definitions			
Site Name:	Culbertson RA			
Date:	10/26/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Venicie Parking Stalls	E	Guou. Meets current 2016 demand.	
	r arking stans		Poor: Meets as percent of current 2016 demand	
			Excellent: Meets future 2036 demand and current demand.	
		_	Good: Meets current 2016 demand.	
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
		-	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide some network cracking rutting depths < 1 .	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths 1 2 .	
			Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life	-	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	G	Good: high pressure sodium lighting provided for all 4 areas.	
			raii. High pressure sodium lighting provided for 2-3 areas.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.	
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Aroos	6	Good: Functional, well-maintained, clean.	
	Picfile Areas	G	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
one			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
		-	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Keelent: new signage, excellent condition.	
	Site Signage	G	Fair Nergesting are signed fair annearance	
			Poor Missing signage or unreadable	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste		Good: Good appearance, receptacles with lids.	
	Receptacles	G	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	Р	Excellent: No odor problem	
	ruenty renalition	·	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	G	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
		-	From Deteriorated and unattractive.	
			Good: Good illumination high efficiency LED fixtures	
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Doint		Good: Adequate coverage, no signs of chipping/pealing.	
	raint	G	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	G	Good: 30 to 44 years remaining	
Structure	Life	-	Fair: 10 to 29 years remaining	
			Poor: U to 9 years remaining	
	Bestroom Direction		Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.	
	rixtures		Poor: Leaking and damaged or no plumbing fixtures provided	
			Excellent: Meets future 2036 demand (and current demand).	
			Good: Meets current 2016 demand.	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	6	Good: Watertight, no signs of deterioration, maintenance free.	
	Nooning	G	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.	
		Ĩ	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Culbertson RA		
Date:	10/26/2017	Inspector:	J. Potts
Element		Site Rating	Definition
	Municipal System	E	Excellent: Connected to a municipal system.
	Source Capability to Meet Peak Daily Demand	-	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand. Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand. Poor: Evisiting observed problems with quantity, source does not have capacity for existing demand.
	Storage Capability to Meet Peak Instantaneous Demand	-	 Four Extrage is adequate to meet calculated existing and future peak instantaneous demand. Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks.
Water	Operation & Maintenance	-	Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality (Transient Non- community Monitoring Regulations)	-	 Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided. Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life	-	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
	Municipal System	E	Excellent: Connected to a municipal system.
Wastewater	Treatment System	-	Excellent: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Poor: Other.
	Wastewater Design Flow	-	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
	Operation & Maintenance	-	Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Site Constraints	-	Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15.
	Remaining Service Life	-	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
Amenities	Number of Amenities	E	Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 1 to 4 amenities Poor: No amenities

Site Name:	Site Scoring & Scoring Definitions			
Date:	11/1/2017	Inspector:	J. Potts	
Element	1	Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Vehicle	E	Good: Meets current 2016 demand.	
	Parking Stails		Fair: Weets 85 percent of current 2016 demand.	
			Excellent: Meets less than as percent of current demand.	
			Good: Meets current 2016 demand.	
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
		-	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	G	Soou, sindon's anale, inmor/namine cracking, rew interconnecting cracks, ruting depuis < 1 . Eair: Moderately rough surface, cracking 3/8" to 3" wide some network cracking, ruting depuis < 1 .	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting denths > 7"	
			Excellent: New, excellent condition.	
	Pavement Striping	6	Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	F	Soluting pressure solution igniting provided for all 4 areas.	
			Poor: No exterior lighting	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.	
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	G	Good: Functional, well-maintained, clean.	
	i icine ru cus	ů, č	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.	
			Poor: Discontinuous deteriorated	
			Excellent: New signage, excellent condition.	
			Good: Directs traffic properly, indicates site areas.	
	Site Signage	G	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	G	Good: Good appearance, receptacles with lids.	
	Receptacles	-	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			Excellent: New flooring, excellent condition.	
			Good: No cracks or separation, level.	
	Floor Condition	G	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting		Good: Good illumination, high efficiency LED fixtures.	
	interior Lighting	'	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.	
			Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Remaining Convice		Excellent: 45 to 50 years remaining	
	Life	Р	Eair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing		Good: Good fixture and piping appearance; no leaks.	
	Fixtures	G	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Good: Meets current 2016 demand.	
		-	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New rooting, excellent condition.	
	Roofing	G	Fair: Waterlight, no signs of detendration, maintenance free.	
			Poor Leaking and deteriorated	
			Excellent: New siding, excellent condition.	
			Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Siding	G	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Custer East RA		
Date:	11/1/2017	Inspector:	J. Potts
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
	Source Capability to Meet Peak Daily Demand	E	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand. Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand. Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
	Storage Capability to Meet Peak Instantaneous Demand	G	 Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand. Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks.
Water	Operation & Maintenance	F	Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality (Transient Non- community Monitoring Regulations)	E	 Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided. Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
Wastewater	Treatment System	F	Excellent: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Poor: Other.
	Wastewater Design Flow	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
	Operation & Maintenance	Ρ	Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Site Constraints	E	Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15.
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
Amenities	Number of Amenities	E	Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 1 to 4 amenities Poor: No amenities

	Site Scoring & Scoring Definitions			
Site Name:	Custer West RA			
Date:	11/1/2017	Inspector:	J. Potts	
Element	-	Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Vehicle	E	Good: Meets current 2016 demand.	
	Parking Stalls		Pair: Weets as percent of current 2016 demand	
		1	Excellent: Meets less than 85 percent of current demand.	
			Good: Meets current 2016 demand.	
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	6	Good: No ponding or flat areas.	
	Dramage condition		Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Pair: Moderately rough surface, tracking 3/8 to 3 wide, some network tracking, rutting depths 1 -2.	
		-	Pool. Rought Surace, tracks > 5 wide, wen-defined network tracking, futting depths > 2.	
	Pavement Strining		Good Functional adequate coverage	
	Quality	G	Fair: Functional some deterioration.	
	 ,		Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	в	Good: 11 to 15 years remaining.	
	Life	r	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	F	Good: High pressure sodium lighting provided for all 4 areas.	
			Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
	Landssaning /Low		Cool Diants (areas are aline 8 anona healthy.	
		G	Solur Hainsygrass are alwe & appear nearing.	
	Areas		Poor Plantc/grass are ont alive	
			Excellent: New picing facilities, excellent condition.	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.	
C14 -			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site			Excellent: New sidewalks, no deterioration.	
	Sidowalks		Good: Adequate connectivity, minimal deterioration.	
	Sidewaiks	r r	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas.	
			Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	Extorior Wasta		Good: Good appagaages excentint appearance.	
	Receptacles	G	Eair: Eair annearance recentaries without lids	
			Poor: Poor appearance, recentacles without lids, or no recentacles provided.	
	-		Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	G	Good: No cracks or separation, level.	
		, i	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	F	GOOd: Good Illumination, high efficiency LED fixtures.	
			Fair: Sumclent illumination, older nign pressure sodium fixtures.	
			Excellent: New paint excellent condition	
			Good: Adequate coverage, no signs of chipping/pealing.	
	Paint	F	Fair: Some maintenance required for isolated areas.	
		1	Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service		Good: 30 to 44 years remaining	
Structure	Life	, r	Fair: 10 to 29 years remaining	
			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required.	
	-		Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: interts future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets Content of current 2016 demand	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
		I .	Good: Watertight , no signs of deterioration, maintenance free.	
	Rooting	G	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Siding	Ŭ	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Custer West RA		
Date:	11/1/2017	Inspector:	J. Potts
Element	•	Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Meet Peak	E	pressure tanks.
	Domand		Fair: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be
	Demanu		satisfied through the addition of hive or less additional pressure tarks.
			Poor, storage is not adequate to meet existing on ruture peak instantaneous demand. Future storage requirement cannot be catified with fine or loss additional presente tanks.
Wator			Excellent New operation and maintenance concerns
water	Operation &	F	Eater Aged minor operation and maintenance concerns
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure.
			Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	(Transient Non-	-	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	community	E	disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
	inegulations)		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		р	Good: 11 to 15 years remaining.
		r	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
		F	Excellent: On-site advanced system.
	Treatment System		Good: On-site septic drainfield, dosed with a pump.
			Fair: Un-site septic drainfield, gravity system.
			Poor: Utner.
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow
			Four projected design not exercise exercise exercise system design not
Wastewater	Operation &	Р	Good: Minor operation and maintenance concerns or level II treatment system.
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	City Country into	-	Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fair: 1 to 4 amenities
			Poor: No amenities

			Site Scoring & Scoring Definitions
Site Name:	Dearborn North RA		
Date:	4/27/2018	Inspector:	C. DeVerniero
Element	1	Site Rating	Definition
	Passonger Vehicle		Excellent: Meets future 2036 demand (and current demand).
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls		Good: Meets current 2016 demand.
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	G	Good: No ponding or flat areas.
Darking 9			Fair: Some ponding and flat areas.
Parking & Pavement		-	Excellent: New pavement, no cracking or rutting
			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	G	Good: Functional, adequate coverage.
	Quality	_	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
	Romaining Service		Excellent: 16 to 20 years remaining.
	Life	E	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 vears remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Futurian Linkting		Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.
	Areas		Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Good: Eunctional well-maintained clean
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.
			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Cidowalka	-	Good: Adequate connectivity, minimal deterioration.
	Sidewalks	E	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	G	Good: Directs traffic properly, indicates site areas.
			Fair: Necessities are signed, fair appearance.
			Pool. Missing signage of unreadable. Evcallent: New recentacles evcallent annearance
	Exterior Waste		Good: Good appearance, recentacles with lids.
	Receptacles	F	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Eacility Ventilation	F	Excellent: No odor problem
	ruenty renaution	-	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	E	Good: No cracks or separation, level.
			Page Wear and minor imperfections.
		-	Excellent: New LED interior lighting, excellent condition
			Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.
		l .	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
	Remaining Co.		Excellent: 45 to 50 years remaining
	Remaining Service	G	Good: 30 to 44 years remaining
Structure	Life		Poor: Oto 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	_	Good: Good fixture and piping appearance; no leaks.
	Fixtures	G	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Restroom Stalls	Е	Good: Meets current 2016 demand.
			Fair: Meets 85 percent of current 2016 demand.
			From weeks less than op percent of current 2016 demand.
			Good: Watertight, no signs of deterioration, maintenance free.
	Roofing	G	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	6	Good: Sound, weatherproof, tight, good finish, maintenance free.
	Julig	, i i i i i i i i i i i i i i i i i i i	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

			Site Scoring & Scoring Definitions
Site Name:	Dearborn North RA		
Date:	4/27/2018	Inspector:	C. DeVerniero
Element	•	Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Instantaneous	F	pressure tarks. Fair: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be
	Demand		ram storage is not abequate to meet existing or nuture peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks
	Jennana -		Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be
			satisfied with five riss additional pressure tanks.
Water			Excellent: New; no operation and maintenance concerns.
	Operation &	E	Fair: Aged; minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	Realificus Dressention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backnow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Course Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	community	F	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Monitoring	-	disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		G	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
	Municipal System	NO	Puol: 0 to 5 years remaining.
	wunicipal System	NO	Excellent: On-site advanced system
	Treatment System	E	Good: On-site sentic drainfield, dosed with a pump.
			Fair: On-site septic drainfield, gravity system.
			Poor: Other.
		F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastewater	Operation &		Excellent: No operation and maintenance concerns.
wastewater	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.
			Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	р	Good: Drainfield area to available area ratio is between 5 and 10.
			Fair: Drainfield area to available area ratio is between 10 and 15.
			Pool . Draimieid area to available area ratio is greater than 15.
	Domaining Convice		Codi 11 to 12 years remaining.
	Remaining Service Life	G	Fair: 6 to 10 years remaining
			Poor: 0 to 5 years remaining
			Excellent: 10 or more amenities
			Good: 5 to 9 amenities
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities
			Poor: No amenities

	Site Scoring & Scoring Definitions			
Site Name:	Dearborn South RA			
Date:	4/27/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition Excellent: Meets future 2026 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	Е	Good: Meets current 2016 demand.	
			Fair: Meets 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
			Good: No ponding or flat areas.	
	Drainage Condition	G	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
		-	Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Е	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
-			Pool. 0 to 5 years remaining. Excellent: LED lighting provided for all 4 areas (parking areas building entries highway ramps and walkways)	
			Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	E	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			POOT: Plants/grass are not alive.	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.	
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Sile			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration.	
			Excellent: New signage excellent condition	
			Good: Directs traffic properly, indicates site areas.	
	Site Signage	G	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	F	Good: Good appearance, receptacles with lids.	
	Receptacies		Fair: Fair appearance, receptacles without lids.	
		-	Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	F	Good: No cracks or separation, level.	
		-	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED Interior lighting, excellent condition.	
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.	
	. unit	-	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Pompining Service		Excellent: 45 to 50 years remaining	
	Life	G	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	, C	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.	
		1 ⁻	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Siding	G	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Dearborn South RA		
Date:	4/27/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
	Storage Conshility to		Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated tuture peak instantaneous demand. Entities charge requirement can be calified through the addition of two relates additional
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five of ress additional pressure tanks
	Instantaneous	F	pressure caries. Fair: Storage is not adomise to meet existing or future heak instantaneous demand. Future storage requirement can be
	Demand		satisfied through the addition of five or less additional pressure tanks
			Poor: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water	On another R		Excellent: New; no operation and maintenance concerns.
	Operation &	E	Fair: Aged; minor operation and maintenance concerns.
	Waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	F	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	butterention	-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	community	E	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for collform bacteria or nitrates within the past five years.
			Poor: Recurring history or water quality violations for conform bacteria or hitrates.
	Remaining Service Life		Good: 11 to 15 years remaining
		G	Fair: 6 to 10 years remaining
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
	Treatment System	E	Excellent: On-site advanced system.
			Good: On-site septic drainfield, dosed with a pump.
			Fair: On-site septic drainfield, gravity system.
			Poor: Other.
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastewater	Operation &	6	Excellent: No operation and maintenance concerns.
	Maintenance	G	Good: Winfor operation and maintenance concerns or level it treatment system.
			Four Workpie Operation and Manneerance Concerns, Indications of system railore.
			Good: Drainfield area to available area ratio is between 5 and 10
	Site Constraints	F	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service	6	Good: 11 to 15 years remaining.
	Life	G	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fair: 1 to 4 amenities
			Poor: No amenities

	Site Scoring & Scoring Definitions			
Site Name:	Dena Mora East RA			
Date: Element	5/16/2018	Inspector:	C. DeVerniero	
Element	1	Site Rating	Excellent: Meets future 2036 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.	
			Poor: Meets as percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
	brainage condition	, i i i i i i i i i i i i i i i i i i i	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Favement			Good: Smooth surface_minor/hairline cracking_few interconnecting cracks_rutting denths < 1"	
	Pavement Condition	F	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	F	Good: Functional, adequate coverage.	
	Quality		Fair: Functional, some deterioration.	
			Excellent: 16 to 20 years remaining	
	Remaining Service	-	Good: 11 to 15 years remaining.	
	Life	E	Fair: 6 to 10 years remaining.	
-			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	G	Good: High pressure sodium lighting provided for all 4 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.	
	Areas	, i	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	G	Fair: Functional some maintenance/cleaning required	
e.,			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site			Excellent: New sidewalks, no deterioration.	
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.	
	Juction		Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Good: Directs traffic properly, indicates site areas.	
	Site Signage	F	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	G	Good: Good appearance, receptacles with lids.	
	Receptacies		Fair: Fair appearance, receptacies without lids.	
			Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	G	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
			Excellent: New LED interior lighting, excellent condition.	
			Good: Good illumination, high efficiency LED fixtures.	
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	G	Good: Adequate coverage, no signs of chipping/pealing.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	G	Good: 30 to 44 years remaining	
Structure	Life	u u	Fair: 10 to 29 years remaining	
			Poor: 0 to 9 years remaining	
	Restroom Plumbing		Excellent: New plumbing incures, excellent condition.	
	Fixtures	G	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Good: Meets current 2016 demand.	
			Fair: Meets 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
		- I	Good: Watertight , no signs of deterioration, maintenance free.	
	Kooting	G	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Dena Mora East RA		
Date:	5/16/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
	Channess Canada III the star		Good: storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement and he solitified through the addition of the set loss additional
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five of less additional projection banks
	Instantaneous	G	pressure caries. Fair: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be
	Demand		satisfied through the addition of five or less additional pressure tanks
			Poor: Storage is not adequate to meet existing a durine neak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water			Excellent: New; no operation and maintenance concerns.
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	Realificus Dressention	-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backnow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Course Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality (Transient Non- community		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
		6	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		G	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
	Municipal System	NO	POOL: 0 to 5 years remaining.
	wunicipal system	NO	Excellent: On effected to a manuficipal system.
			Good: On-site avanted a specific
	Treatment System	E	Eair: On-site sentic drainfield, gravity system
			Poor: Other.
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Wastewater Design	_	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow	G	Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastowator	Operation &		Excellent: No operation and maintenance concerns.
wastewater	Maintenance	Р	Good: Minor operation and maintenance concerns or level II treatment system.
			Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	Р	Good: Drainfield area to available area ratio is between 5 and 10.
			Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
	Romaining Service		Excellent. 10 to 20 years remaining.
	Remaining Service Life	G	Solution to be years remaining.
			Poor: 0 to 5 years remaining
			Excellent: 10 or more amenities
			Good: 5 to 9 amenities
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities
			Poor: No amenities

Site Name:	Dena Mora West RA		Site Scoring & Scoring Definitions
Date:	5/16/2018	Inspector:	C. DeVerniero
Element	-	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Fair: Meets 85 percent of current 2016 demand.
			Excellent: Meets less than 85 percent of current 2016 demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	G	Good: No ponding or flat areas.
	Dramage condition	, s	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1°.
			Poor Pourb surface cracks 2 "wide, will defined patients cracking, ruting depths 1 - 2 .
			Excellent: New excellent condition.
	Pavement Striping		Good: Functional. adequate coverage.
	Quality	F	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	E.	Good: 11 to 15 years remaining.
	Life	E	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	G	Good: High pressure sodium lighting provided for all 4 areas.
		-	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
	1		Excellent: New landscaping, plants/grass alive and nealthy.
	Landscaping/Lawn	G	Good: Plants/grass are allow & appear neartny.
	Areds		Poor Date (area are alive but do not appear nearthy.
			Fool Traintsy grass are not anye. Excellent: New nicroic facilities availant condition
			Good: Functional well-maintained, clean
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.
			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Cidaurallus		Good: Adequate connectivity, minimal deterioration.
	Sidewalks	F	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	F	Good: Directs traffic properly, indicates site areas.
			Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior waste	G	Solu, Good appearance, receptacles with inds.
	Receptacies		Poor: Paor apparance, receptacies without lids, or no recentacies provided
			From the appearance, receiptaces without has, or no receiptaces provided.
	Facility Ventilation	E	Poor: Continuous ador problem
			Excellent: New flooring, excellent condition.
	-		Good: No cracks or separation, level.
	Floor Condition	G	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior Lighting	F	Good: Good illumination, high efficiency LED fixtures.
			Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	G	Good: Adequate coverage, no signs of chipping/pealing.
			Pair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
	Remaining Service		Good 30 to 40 years remaining
	Life	G	Fair: 10 to 29 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing		Good: Good fixture and piping appearance; no leaks.
	Fixtures	G	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Restroom Stalls	F	Good: Meets current 2016 demand.
	itestroom stalls		Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
			Fair: Waterught, some maintenance needed.
			Pour Leaking and deteriorated.
			Good: Sound weatherproof tight good finish maintenance free
	Siding	G	Fair: Sound, weatherproof, tight, good missi, manifemence nee.
			Poor: Deteriorated, leaking, significant air infiltration.

			Site Scoring & Scoring Definitions
Site Name:	Dena Mora West RA		
Date:	5/16/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
	Source Capability to Meet Peak Daily Demand	E	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand. Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand. Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
	Storage Capability to Meet Peak Instantaneous Demand	E	Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand. Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks.
Water	Operation & Maintenance	F	Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality (Transient Non- community Monitoring Regulations)	G	 Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided. Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life	G	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
Wastewater	Treatment System	E	Excellent: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Poor: Other.
	Wastewater Design Flow	G	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
	Operation & Maintenance	Ρ	Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Site Constraints	F	Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15.
	Remaining Service Life	G	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
Amenities	Number of Amenities	E	Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 1 to 4 amenities Poor: No amenities

			Site Scoring & Scoring Definitions
Site Name:	Divide North RA		
Date:	5/30/2018	Inspector:	J. Potts
Element	-	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Pair: Weets as percent of current 2016 demand
		1	Excellent: Meets less than 85 percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	G	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	F .	Good: No ponding or flat areas.
	Dramage condition		Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	E	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
			Pair: Moderately rough surface, tracking 3/8 to 3 wide, some network tracking, rutting depths 1 -2.
			Pool. Rought Surace, tracks > 5 wide, wen-defined network tracking, fulling depths > 2.
	Pavement Strining		Good Functional adequate coverage
	Quality	G	Fair: Functional some deterioration.
	 ,		Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	-	Good: 11 to 15 years remaining.
	Life	E	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	E	Good: High pressure sodium lighting provided for all 4 areas.
			Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
	Landscaping/Lawp		Excellent: New landscaping, plants/grass alive and healthy.
		E	Solur Haints/grass are alive & appear lie ating.
	Arcus		Poor Plants/grass are not alive
		-	Excellent: New picing facilities, excellent condition.
			Good: Functional, well-maintained, clean.
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required.
C14-			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	F .	Good: Adequate connectivity, minimal deterioration.
	Sidewalks		Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	E	Good: Directs traffic properly, indicates site areas.
			Fair: Necessities are signed, fair appearance.
			POOL withshing signage of uniteduatile.
	Exterior Waste		Good sood soperance recent appendince.
	Receptacles	E	Fair: Fair appearance, recentacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Fa ailite Mantilation		Excellent: No odor problem
	Facility ventilation	Ē	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	E	Good: No cracks or separation, level.
		1	Fair: Some wear and minor imperfections.
		L	Poor: Deteriorated and unattractive.
			Excellent: New LED Interior lighting, excellent condition.
	Interior Lighting	E	Eair: Sufficient illumination, nigh emiclency LED Instures.
		1	Poor: Unsafe illumination, antiquated fixtures or no interior lighting provided
			Excellent: New paint, excellent condition.
		I .	Good: Adequate coverage, no signs of chipping/pealing.
	Paint	E	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	F	Good: 30 to 44 years remaining
Structure	Life	-	Fair: 10 to 29 years remaining
			Poor: 0 to 9 years remaining
	D		Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	E	Good: Good Tixture and piping appearance; no leaks.
	rixtures		Fail. Functional, Some maintenance required.
	-		Excellent: Meets future 2036 demand (and current demand)
			Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing		Good: Watertight, no signs of deterioration, maintenance free.
	Rooning	l -	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	E	Good: Sound, weatherproof, tight, good finish, maintenance free.
			Fair: Sound, weatherproof, some wear and tear.
			Pool. Deteriorated, leaking, significant air inflitration.

	Site Scoring & Scoring Definitions				
Site Name:	Divide North RA				
Date:	5/30/2018	Inspector:	J. Potts		
Element	•	Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	E	pressure tanks.		
	Instantaneous		Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks.		
			Poor: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement cannot be		
Water			Satisfied with the offess additional pressure tails.		
water	Operation &	F	Eachering were no operation and maintenance concerns		
	Maintenance	-	Poor: Multine operation and maintenance concerns: indications of system failure		
			Excellent: Backflow revention is included on irritation system line if domestic and irritation source are the same		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for collorm bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	(Transient Non-	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	community		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Monitoring		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
	Regulations)		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	E	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Treatment System	E	Good: On-site septic drainfield, dosed with a pump.		
		1	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design	E	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &	c	Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: Multinor operation and maintenance concerns or level il treatment system.		
			Poor, Multiple operation and maintenance concerns; indications or system failure.		
			Good: Desinfield area to evaluable area ratio is less than 5.		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15		
			Poor: Drainfield area to available area ratio is greater than 15		
			Excellent: 16 to 20 years remaining.		
	Remaining Service		Good: 11 to 15 years remaining.		
	Life	E	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
			Good: 5 to 9 amenities		
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities		
			Poor: No amenities		

			Site Scoring & Scoring Definitions
Site Name:	Divide South RA		
Date:	5/30/2018	Inspector:	J. Potts
Element	1	Site Rating	Definition
	Passonger Vehicle		Excellent: Meets future 2036 demand (and current demand).
	Parking Stalls	E	Fair: Meets S5 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	-	Good: Meets current 2016 demand.
	Truck Parking Stalls	Ē	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	E	Good: No ponding or flat areas.
Darking 9			Fair: Some ponding and flat areas.
Parking & Pavement			Poor: Ponding or large areas of water retention.
. avenent			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement Condition	E	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	6	Good: Functional, adequate coverage.
	Quality	, i	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
	Demoising Complex		Excellent: 16 to 20 years remaining.
	Remaining Service	E	Good: 11 to 15 years remaining.
	Life		Poor: 0 to 5 years remaining
		-	Excellent: IFD lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
			Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	E	Good: Plants/grass are alive & appear healthy.
	Areas		Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	E	Good - included, wei-mentanica, clean
			Poor: Non-functional, poor appearance, or no incinci facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Cidamalla		Good: Adequate connectivity, minimal deterioration.
	Sidewalks	E	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	E	Good: Directs traffic properly, indicates site areas.
			Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
	Exterior Waste		Good Sood songerance recentacies with lide
	Receptacles	E	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation		Excellent: No odor problem
	Facility ventilation	Ē	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	E	Good: No cracks or separation, level.
			Fair: Some wear and minor imperfections.
			Poul. Deteriorated and Unattractive.
			Good: Good illumination high efficiency LED fiveures
	Interior Lighting	E	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Delint		Good: Adequate coverage, no signs of chipping/pealing.
	Paint	E .	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	E	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: U to 9 years remaining
	Restroom Plumbing		Good: Good fixture and nining appearance: no leaks
	Fixtures	E	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Restroom Stalls	5	Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	E	Good: Watertight , no signs of deterioration, maintenance free.
			ran, waterlight, some maintenance needed.
	-		Ficellent: New siding excellent condition
			Good: Sound, weatherproof, tight, good finish. maintenance free.
	Siding	E	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions				
Site Name:	Divide South RA				
Date:	5/30/2018	Inspector:	J. Potts		
Element	•	Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	E	pressure tanks.		
	Domand		Fair: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be		
	Demanu		satisfied through the addition of hive or less additional pressure tarks.		
			Poor, storage is not adequate to meet existing on ruture peak instantaneous demand. Future storage requirement cannot be catified with fine or loss additional presente tanks.		
Wator			Satisfied with the oriest additional pressure cariss.		
water	Operation &	E	Eater Aged minor operation and maintenance concerns		
	Maintenance	_	Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Backflow prevention is included on irrigation system material of years many provide the same.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	(Transient Non-		Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	community	G	disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		F	Good: 11 to 15 years remaining.		
		-	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
		E	Excellent: On-site advanced system.		
	Treatment System		Good: On-site septic drainfield, dosed with a pump.		
			Fair: Un-site septic drainfield, gravity system.		
			Poor: Utner.		
	Wastowator Dosign	E	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.		
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow		
			Four projected design not exercise exercise exercise system design not		
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	City Country into	-	Good: Drainfield area to available area ratio is between 5 and 10.		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service	E	Good: 11 to 15 years remaining.		
	Life		Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
			Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions				
ite Name:	Dupuyer PA				
ate:	5/17/2018	Inspector:	C. DeVerniero		
lement	-	Site Rating	Definition		
avement	Drainage Condition	F	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention.		
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
	Pavement Striping Quality	Р	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.		
ite	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.		
	Landscaping/Lawn Areas	G	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.		
	Picnic Areas	F	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.		
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.		
	Site Signage	F	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.		
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
/ater ystem	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.		
aulted oilet	Operation & Maintenance	G	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.		

	Site Scoring & Scoring Definitions			
Site Name:	Emigrant RA			
Date:	10/24/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Venicie Parking Stalls	E	Guou. Meets current 2016 demand.	
	r arking stans		Poor: Meets as percent of current 2016 demand	
		1	Excellent: Meets future 2036 demand (and current demand).	
		_	Good: Meets current 2016 demand.	
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	F	Good: No ponding or flat areas.	
			Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide some network cracking rutting depths < 1 .	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, ruthing depths 2 2".	
			Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: U to 5 years remaining.	
			Good: Hish provided for all 4 areas (parking areas, building entries, nighway ramps, and waikways).	
	Exterior Lighting	G	Eair: High pressure solution igniting provided for al-3 areas	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.	
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	6	Good: Functional, well-maintained, clean.	
	i lane / li cus	, i	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration.	
			Fool: Discontinuous, detentionated.	
			Good Directs traffic properly, indicates site areas.	
	Site Signage	G	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	6	Good: Good appearance, receptacles with lids.	
	Receptacles	, , , , , , , , , , , , , , , , , , ,	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			Poor: Continuous odor problem	
			Good: No cracks or separation level	
	Floor Condition	G	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
		I .	Good: Good illumination, high efficiency LED fixtures.	
	Interior Lighting	F F	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	G	Good: Adequate coverage, no signs of chipping/pealing.	
		Ĩ	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Demolal C.		Excellent: 45 to 50 years remaining	
	Remaining Service	F	Good: 30 to 44 years remaining	
Structure	LITE		Poor Oto Avers remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	1	Good: Good fixture and piping appearance: no leaks.	
	Fixtures	G	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
		_	Excellent: Meets future 2036 demand (and current demand).	
	Postroom Stalls	-	Good: Meets current 2016 demand.	
	Restroom Stalls	-	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.	
		l .	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New slaing, excellent condition.	
	Siding	G	Sound, weatherproof, tight, good ninsh, maintenance free.	
			ran, sound, wedtherproof, some wedrand lear. Door: Deteriorated leaking significant air infiltration	
			roor. Detenorateu, ieaking, significant an innitration.	

	Site Scoring & Scoring Definitions				
Site Name:	Emigrant RA				
Date:	10/24/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Storage Conshility to		Source storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated nuture peak instantaneous demand. Exiting storage requirement can be solitified through the addition of flux or loss additional		
	Meet Peak		peak instantieus demand. Tuture storage requirement can be satisfied through the adultion of five or less adultional pressure tanks		
	Instantaneous	F	Fair Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks.		
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	Operation 9		Excellent: New; no operation and maintenance concerns.		
	Maintonanco	F	Fair: Aged; minor operation and maintenance concerns.		
	Wallicenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non- community		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
		F	Good: No history of water quality violations for collorm bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Poor Decursional water quality violations for conform bacteria or nitrates within the past rive years.		
			Fool - techning instory or water quarky violations for comon bacteria or initiates.		
	Remaining Service Life		Good: 11 to 15 years remaining.		
		Р	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
		-	Excellent: On-site advanced system.		
	Trootmont System	G	Good: On-site septic drainfield, dosed with a pump.		
	freatment system	6	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design	G	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &	G	Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: Willing operation and maintenance concerns or level in treatment system.		
			From the provide and the second secon		
			Good: Drainfield area to available area ratio is between 5 and 10		
	Site Constraints	Р	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service		Good: 11 to 15 years remaining.		
	Life	Р	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
Ameniaes	in the or randomices		Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions			
Site Name:	Flowing Wells RA			
Date:	10/27/2017	Inspector:	J. Potts	
Element	1	Site Rating	Definition	
	Passenger Vehicle		Sood: Meets current 2016 demand	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
	-		Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	E	Good: Meets current 2016 demand.	
	-		Fair: Meets 85 percent of current 2016 demand.	
			Excellent: New parking area no ponding or flat areas	
			Good: No ponding or flat areas.	
	Drainage Condition	E	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	Е	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	E	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	E	Good: 11 to 15 years remaining.	
	Lite		Fair: 6 to 10 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Federal and Linkslove		Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	E	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear nealtny.	
			Excellent: New picnic facilities, excellent condition.	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
one			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration. Poor: Discontinuous: deteriorated	
			Excellent: New signage, excellent condition.	
	e:		Good: Directs traffic properly, indicates site areas.	
	Site Signage	E	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	E	Good: Good appearance, receptacles with lids.	
	neceptacies		Poor: Poor appearance, receptacles without lids, or no receptacles provided	
			Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	E	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
			Pool. Detenorated and unattractive. Excellent: New LED interior lighting, excellent condition	
			Good: Good illumination, high efficiency LED fixtures.	
	Interior Lighting	E	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	E	Good: Adequate coverage, no signs of chipping/pealing.	
			Fair: Some maintenance required for isolated areas.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	_	Good: 30 to 44 years remaining	
Structuro	Life	E	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	E	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required.	
			Excellent: Meets future 2036 demand (and current demand).	
		-	Good: Meets current 2016 demand.	
	Restroom Stalls	-	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New rooting, excellent condition.	
	Roofing	E	Fair: Waterlight, no signs of detenoration, maintenance free.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Stanig	- ⁻	Fair: Sound, weatherproof, some wear and tear.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Flowing Wells RA		
Date:	10/27/2017	Inspector:	J. Potts
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: storage is adequate to meet calculated existing and trutine peak instantaneous demand.
	Storago Canability to		Good. Storage is adequate to meet calculated existing peak instantaneous demain but not adequate to meet calculated unutle neak instantaneous demand. Future storage requirement can be estisfied through the addition of five or lass additional
	Meet Peak		pear instantious demand. Factor storage requirement can be satisfied through the addition of the oriest additional pressure tanks.
	Instantaneous	F	Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be
	Demand		satisfied through the addition of five or less additional pressure tanks.
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water	Operation &		Excellent: New; no operation and maintenance concerns.
	Maintenance	E	Fair: Aged; minor operation and maintenance concerns.
			Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	Е	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality		Excellent: No history of water quality violations for collform bacteria or nitrates within the past five years. Water system does not
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	community	E	GOOD: No history of water quality violations for colliform bacteria or nitrates within the past hve years. Water system requires
	Monitoring		assimilation based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Poor: Becurring history of water quality violations for collecting of initiates within the past new years.
			Fool: A country instory of water quarky violations for communication of matters.
	Remaining Service Life		Good: 11 to 15 years remaining.
		E	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: On-site advanced system.
	Treatment System	F	Good: On-site septic drainfield, dosed with a pump.
	in cutilication of pateria		Fair: On-site septic drainfield, gravity system.
			Poor: Other.
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Wastewater Design	G	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	FIOW		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor 2016 projection and maintenance concerns
Wastewater	Operation &	G	Good Minor operation and maintenance concerns or level II treatment system
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	en e		Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	G	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	F	Good: 11 to 15 years remaining.
		-	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fair: 1 to 4 amenities
			Poor: No amenities

Site Name:	Gold Creek East RA*		Site Scoring & Scoring Definitions
Date:	4/19/2017	Inspector:	Gold Creek Safety Rest Area Planning Team
Element	ī	Site Rating	Definition
	Deserve and Vehicle		Excellent: Meets future 2036 demand (and current demand).
	Passenger Venicle Parking Stalls	E	Good: Meets Current 2016 demand. Fair: Meets 85 nercent of current 2016 demand
	i unting orano		Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.
	in deal i dinang brans	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	F	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
		-	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Pavement Strining		Good: Eunctional adequate coverage
	Quality	G	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining. Eventional: LED lighting provided for all 4 areas (parking areas, building optics, bighuru ramps, and walloways)
			Good: High pressure sodium lighting provided for all 4 areas
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	F	Good: Plants/grass are alive & appear healthy.
	Areas		Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Good: Euctional, well-maintained, clean.
	Picnic Areas	F	Fair: Functional, some maintenance/cleaning required.
C14 -			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good: Directs traffic properly, indicates site areas.
	Site Signage	F	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	Р	Good: Good appearance, receptacles with lids.
	Receptacies		Fair: Fair appearance, receptacles without lids.
			Excellent: No odor problem
	Facility Ventilation	Р	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	-	Good: No cracks or separation, level.
			Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED Interior lighting, excellent condition.
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	Р	Good: Adequate coverage, no signs of chipping/pealing.
			Fair: Some maintenance required for isolated areas.
		_	Poor: Entire repaint needed.
	Remaining Service		Excellent: 45 to 50 years remaining Good: 30 to 44 years remaining
	Life	Р	Fair: 10 to 29 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	Р	Good: Good fixture and piping appearance; no leaks.
	Fixtures		Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Good: Meets current 2016 demand
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
			Fair: watertight, some maintenance needed.
	-		Excellent: New siding, excellent condition.
			Good: Sound, weatherproof, tight, good finish, maintenance free.
	Siding	Р	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

			Site Scoring & Scoring Definitions
Site Name:	Gold Creek East RA*		
Date:	4/19/2017	Inspector:	Gold Creek Safety Rest Area Planning Team
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	Р	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not nave capacity for existing demand.
			Excernini, storage is adequate to meet calculated existing and ruture peak instantaneous demand.
	Storage Canability to		book storage is adequate to meet calculated existing peak instantiatious definition but not adequate to meet calculated inter- peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Meet Peak		pressure tanks.
	Instantaneous	F	Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be
	Demand		satisfied through the addition of five or less additional pressure tanks.
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water	Operation &		Excellent: New; no operation and maintenance concerns.
	Maintenance	Р	Fair: Aged; minor operation and maintenance concerns.
			Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality		Excellent: No history of water quality violations for colliform bacteria or nitrates within the past tive years. Water system does not require disinfection part will construction details. Currently, no tectiment or disinfection is previded.
	(Transient Non-		Good: No bictory of unter quality utilizations for adjamentation or bictory within the part film upon. Mater system requires
	community	G	Good, no instary or water quality violations for common bacteria or initiates within the past invergens. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Monitoring		Fair: Occasional water quality violations for colling the analysis of anticological states within the past five years.
	Regulations)		Poor: Recurring history of water quality violations for colliform bacteria or nitrates.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life		Good: 11 to 15 years remaining.
		Р	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: On-site advanced system.
	Treatment System	G	Good: On-site septic drainfield, dosed with a pump.
			Fair: On-site septic drainfield, gravity system.
			Poor: Other.
	Master Davier	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Flow		Good. 2006 projected design how exceed the estimated existing wastewater system design how.
	riow		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
			Excellent: No operation and mintenance concerns.
Wastewater	Operation &	Р	Good: Minor operation and maintenance concerns or level II treatment system.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints		Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	P	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	Р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Coody E to 0 amonities
Amenities	Number of Amenities	G	Fair: 1 to A amonities
			Poor: No amenities
			Tool, no amenides

*Note: Gold Creek was a rest area at the time of data collection. Programmed to be reconstructed as a parking area (UPN 9253 001, anticipated let date June 2019). Site Rating: Gray cells indicate office determinations; white cells indicate field determinations

Site Name:	Site Scoring & Scoring Definitions		
Date:	4/19/2017	Inspector:	Gold Creek Safety Rest Area Planning Team
Element	-	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Fair: Weets 85 percent of current 2016 demand.
			Excellent: Meets less than as percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	F	Good: No ponding or flat areas.
			Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Soou, sindon's anale, inmor/namine cracking, rew interconnecting cracks, ruting depuis < 1 . Eair: Moderately rough surface, cracking 3/8" to 3" wide some network cracking, rutiting depuis < 1 .
			Poor: Rough surface cracks > 3" wide well-defined network cracking rutting depths 1 2 .
			Excellent: New, excellent condition.
	Pavement Striping		Good: Functional, adequate coverage.
	Quality	G	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Soluting pressure solution igniting provided for all 4 areas.
			Poor: No exterior lighting
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.
	Areas	F	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	F	Good: Functional, well-maintained, clean.
	. iene ru cus		Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
			Excellent: New sidewalks, no deterioration.
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.
			Poor: Discontinuous deteriorated
			Excellent: New signage, excellent condition.
			Good: Directs traffic properly, indicates site areas.
	Site Signage	F	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	Р	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	Р	Excellent: No ddor problem
		-	Excellent: New flooring excellent condition
			Good: No cracks or separation, level.
	Floor Condition	F	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior Lighting		Good: Good illumination, high efficiency LED fixtures.
	interior Lighting	r -	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	Р	Good: Adequate coverage, no signs of chipping/pealing.
			Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
	Demoining Comise		Excellent: 45 to 50 years remaining
	Life	Р	Good: 30 to 44 years remaining
Structure	Line		Poor Oto years remaining
			Fool: or of years termining
	Restroom Plumbing		Good: Good fixture and piping appearance: no leaks.
	Fixtures	Р	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Postroom Stalls		Good: Meets current 2016 demand.
	Restroom stans	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
			Fair: Waterught, some maintenance needed.
			Pour Leaking and deteriorated.
			Good: Sound weatherproof tight good finish maintenance free
	Siding	Р	Eair: Sound weatherproof some wear and tear
			Poor: Deteriorated, leaking, significant air infiltration.

			Site Scoring & Scoring Definitions
Site Name:	Gold Creek West RA*		
Date:	4/19/2017	Inspector:	Gold Creek Safety Rest Area Planning Team
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
	Source Capability to Meet Peak Daily Demand	Р	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand. Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
	Storage Capability to Meet Peak Instantaneous Demand	Ρ	 Pool. Existing observed problems with quantity, solice does not have capacity or existing definition. Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand. Good: Storage is adequate to meet calculated existing and future peak instantaneous demand. Good: Storage is adequate to meet calculated existing and future peak instantaneous demand. Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks.
Water	Operation & Maintenance	Р	Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality (Transient Non- community Monitoring Regulations)	F	 Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided. Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
Wastewater	Treatment System	F	Excellent: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Poor: Other.
	Wastewater Design Flow	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
	Operation & Maintenance	Р	Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns; indications of system failure.
	Site Constraints	Р	Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15.
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.
Amenities	Number of Amenities	G	Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 1 to 4 amenities Poor: No amenities

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019). Site Rating: Gray cells indicate office determinations; white cells indicate field determinations

	Site Scoring & Scoring Definitions			
Site Name:	Greycliff East RA			
Date:	4/25/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition Evenilent: Meete future 2026 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	E	Good: Meets current 2016 demand.	
			Poor: Meets as percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
	brandge contract	, , , , , , , , , , , , , , , , , , ,	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Favement			Good: Smooth surface, minor/hairling, few interconnecting cracks, rutting denths < 1"	
	Pavement Condition	F	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	F	Good: Functional, adequate coverage.	
	Quality		Fair: Functional, some deterioration. Poor: Non-functional and deteriorated	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	-	Good: 11 to 15 years remaining.	
	Life	-	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	G	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive. Excellent: New picnic facilities, excellent condition	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
			Poor: Discontinuous. deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	F	Good: Directs traffic properly, indicates site areas.	
	Site Signage	-	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	Exterior Waste		Good: Good appearance, recentacles with lids	
	Receptacles	E	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	Е	Excellent: No odor problem	
			Poor: Continuous odor problem	
			Excellent: New hooring, excellent condition.	
	Floor Condition	G	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	E	Good: Good illumination, high efficiency LED fixtures.	
			Fair: Sufficient illumination, older nign pressure sodium fixtures.	
			Excellent: New paint, excellent condition.	
			Good: Adequate coverage, no signs of chipping/pealing.	
	Paint	G	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	E	Good: 30 to 44 years remaining Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	-	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided. Excellent: Moste future 2026 demand (and current demand)	
			Good: Meets current 2016 demand.	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	G	Good: watertight, no signs of deterioration, maintenance free.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	6	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Siding	, u	Fair: Sound, weatherproof, some wear and tear.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	
	Site Scoring & Scoring Definitions			
------------	------------------------------------	-------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--
Site Name:	Greycliff East RA			
Date:	4/25/2018	Inspector:	C. DeVerniero	
Element	•	Site Rating	Definition	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	E	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Instantaneous	E	pressure tarks. Fair: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be	
	Demand		ram storage is not abequate to meet existing or nuture peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks	
	Jennana -		Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be	
			satisfied with five or less additional pressure tanks.	
Water			Excellent: New; no operation and maintenance concerns.	
	Operation &	E	Fair: Aged; minor operation and maintenance concerns.	
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.	
	Rackflow Provention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.	
	Backnow Frevention	L	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not	
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	community	6	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	Monitoring	e e	disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.	
	Remaining Service Life	G	Excellent: 16 to 20 years remaining.	
			Good. 11 to 15 years remaining.	
			Point to be years remaining.	
	Municinal System	NO	Fice of the second se	
	Treatment System	E	Excellent: On-site advanced system.	
			Good: On-site septic drainfield, dosed with a pump.	
			Fair: On-site septic drainfield, gravity system.	
			Poor: Other.	
	Wastewater Design	P	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.	
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.	
	Flow	•	Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.	
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.	
Wastewater	Operation &		Excellent: No operation and maintenance concerns.	
	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.	
			Poor: Multiple operation and maintenance concerns; indications of system failure.	
			Excellent: Draining area to available area ratio is less than 5.	
	Site Constraints	Р	Social Draining and a to available and ratio is between 5 and 10.	
			Point Drainfield area to available area ratio is greater than 15.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service Life		Good: 11 to 15 years remaining.	
		G	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: 10 or more amenities	
Amonition	Number of Amenities	E	Good: 5 to 9 amenities	
Amenities			Fair: 1 to 4 amenities	
			Poor: No amenities	

	Site Scoring & Scoring Definitions			
Site Name:	Greycliff West RA			
Date:	4/25/2018	Inspector:	C. DeVerniero	
Element	1	Site Rating	Definition Excellent: Meets future 2026 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	Е	Good: Meets current 2016 demand.	
			Fair: Meets 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
			Good: No ponding or flat areas.	
	Drainage Condition	G	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
		-	Excellent: New, excellent condition.	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	E	Good: 11 to 15 years remaining.	
	Lite		Fair: 6 to 10 years remaining.	
			Figure 2 (1997) Figure 2 (1997	
			Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	G	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	F	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Good: Functional. well-maintained. clean.	
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Sile			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
		-	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Good: Directs traffic properly, indicates site areas.	
	Site Signage	G	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	E	Good: Good appearance, receptacles with lids.	
	Receptacles		Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacies without lids, or no receptacies provided.	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Eleor Condition	6	Good: No cracks or separation, level.	
	FIGOR COndition	0	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED Interior lighting, excellent condition.	
	Interior Lighting	G	Fair: Sufficient illumination, night enclency Leb incures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	6	Good: Adequate coverage, no signs of chipping/pealing.	
	i unit	G	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Demoining Comise		Excellent: 45 to 50 years remaining	
	Life	E	Guou. So to 44 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	6	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	G	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Intelts future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.	
		Ĭ	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Good: Sound, weatherproof, tight, good finish, maintenance free	
	Siding	G	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions				
Site Name:	Greycliff West RA				
Date:	4/25/2018	Inspector:	C. DeVerniero		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Instantaneous	E	pressure tarks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be		
	Demand		rain. Storage is not adequate to meet existing on outpre peak instantaneous demand. Future storage requirement can be		
	Jennana -		satisfied childugh the addition of the of less additional pressure tails.		
			satisfied with five class additional pressure tanks		
Water			Excellent: New; no operation and maintenance concerns.		
	Operation &	E	Fair: Aged; minor operation and maintenance concerns.		
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	De shflow Desvention	-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
	,		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		G	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
	Municipal Custom	NO	Poor: U to 5 years remaining.		
	iviunicipal System	NO	Excellent: Connected to a municipal system.		
			Good: On-site avanted a specific		
	Treatment System	E	Eair: On-site sentic drainfield, gravity system		
			Poor: Other.		
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow	Р	Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastowator	Operation &		Excellent: No operation and maintenance concerns.		
wastewater	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.		
			Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	Site Constraints	Р	Good: Drainfield area to available area ratio is between 5 and 10.		
			Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	G	Source 11 to 15 years remaining.		
			Poor 0 to 5 years remaining		
			Excellent: 10 or more amenities		
			Good: 5 to 9 amenities		
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities		
			Poor: No amenities		

Site Name:	Site Scoring & Scoring Definitions		
Date:	11/1/2017	Inspector:	J. Potts
Element	-	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Fair: Meets 85 percent of current 2016 demand.
		1	Excellent: Meets less than 85 percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	F	Good: No ponding or flat areas.
	brainage contaction	· ·	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
			Poor Pourbe surface creates > 2" wide, will defined active creating rule will be a surface creates > 2" wide, some frequencies activity of activity and active > 2".
			Excellent: New excellent condition.
	Pavement Striping		Good: Functional. adequate coverage.
	Quality	G	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Good: High pressure sodium lighting provided for all 4 areas.
			Poor: No activity lighting
			Excellent: New landscaning, nlants/grass alive and healthy
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picpic Aroos	6	Good: Functional, well-maintained, clean.
	Fichic Aleas		Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
one			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good Directs traffic properly indicates site areas
	Site Signage	G	Fair: Neressities are signed, fair appearance.
			Poor: Missing signage or unreadable.
		<u> </u>	Excellent: New receptacles, excellent appearance.
	Exterior Waste	6	Good: Good appearance, receptacles with lids.
	Receptacles	G	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
			Poor: Continuous odor problem
		1	Good' No cracks or separation level
	Floor Condition	G	Fair: Some wear and minor imperfections
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior 11 1 1		Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	G	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.
		l '	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	Р	Good: 30 to 44 years remaining
Structure	Lite		Fair: 10 to 29 years remaining
		-	Poor: 0 to 9 years remaining Evcallent: New nlumbing fixtures, excellent condition
	Restroom Plumbing		Good Sood Styles and using ansarance to leaks
	Fixtures	G	Fair: Functional some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Destroom Ctalls		Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
		l .	Fair: Watertight, some maintenance needed.
		L	Poor: Leaking and deteriorated.
		1	Excellent: New siding, excellent condition.
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.
		1	Fail. Sound, weatherproof, some wear and tear.
			Pool. Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions				
Site Name:	Hardin East RA				
Date:	11/1/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	Р	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Storage Canability to		Soloa, storage is adequate to meet canculate existing peak instantaneous demand but not adequate to meet canculated inter- neak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak		pressure tanks.		
	Instantaneous	F	Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks.		
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	Operation &		Excellent: New; no operation and maintenance concerns.		
	Maintenance	F	Fair: Aged; minor operation and maintenance concerns.		
			Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for collform bacteria or nitrates within the past live years. Water system does not require disjection particulation of the construction of the construction of disjection is provided by		
	(Transient Non-		Good No bits of under quality using a solitore has rational or pictures within the part flow usars. What a usars		
	community	G	double not instally of water quality violations for common bacteria of initiates within the past rive years, water system requires		
	Monitoring		Fair: Occasional water quality violations for colliform bacteria or nitrates within the nate five years		
	Regulations)		Poor: Recurring history of water quality violations for colliform bacteria or nitrates.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life		Good: 11 to 15 years remaining.		
		G	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Treatment System	F	Good: On-site septic drainfield, dosed with a pump.		
			Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
	Westowater Design		Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Flow	F	Good, 2006 projected design how exceed the estimated existing wastewater system design how.		
	1104		Point 2016 projected design flow exceed the estimated existing wastewater system design flow.		
			Four projected design for encoder concerns.		
Wastewater	Operation &	Р	Good: Minor operation and maintenance concerns or level II treatment system.		
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	Site Constraints	F	Good: Drainfield area to available area ratio is between 5 and 10.		
	Site constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	G	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
			Puol. U to 5 years remaining.		
			Good: 5 to 9 amenities		
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions		
Site Name:	Hardin West RA		
Date:	11/1/2017	Inspector:	J. Potts
Element	-	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Pair: Weets as percent of current 2016 demand
		1	Excellent: Meets less than 85 percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	F	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	6	Good: No ponding or flat areas.
	Dramage condition		Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
		-	Pool. Rought Surace, tracks > 5 wide, wen-defined network tracking, futting depths > 2.
	Pavement Strining		Good Functional adequate coverage
	Quality	G	Fair: Functional some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service		Good: 11 to 15 years remaining.
	Life	r	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Good: High pressure sodium lighting provided for all 4 areas.
			Fair: High pressure sodium lighting provided for 2-3 areas.
			POOT: Now exterior ingruing.
	Landscaning/Lawn		Good: Diante (marss are alive & annear healthy
	Areas	G	Fair: Plants/grass are alive but do not annear healthy
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
			Good: Functional, well-maintained, clean.
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good: Directs traffic properly, indicates site areas
	Site Signage	G	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	G	Good: Good appearance, receptacles with lids.
	Receptacles	, i	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
			Free lent to be contained as a problem
			Good: No cracks or separation, level.
	Floor Condition	G	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior Lighting	G	Good: Good illumination, high efficiency LED fixtures.
	and a second second	Ιĭ	Fair: Sufficient illumination, older high pressure sodium fixtures.
		L	Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Fair: Some maintenance required for isolated areas
			Poor: Entire renaint needed
			Excellent: 45 to 50 years remaining
	Remaining Service		Good: 30 to 44 years remaining
Chrusture	Life	Р	Fair: 10 to 29 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.
	Fixtures	1	Fair: Functional, some maintenance required.
	-		Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: interts future 2036 demand (and current demand).
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Reafing	l .	Good: Watertight , no signs of deterioration, maintenance free.
	Rooting		Fair: Watertight, some maintenance needed.
		L	Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.
			Fair: Sound, weatherproof, some wear and tear.
			Foor, betenorated, leaking, significant an innitiation.

	Site Scoring & Scoring Definitions				
Site Name:	a Name: Hardin West RA				
Date:	11/1/2017	Inspector:	J. Potts		
Element	•	Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	Р	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	F	pressure tanks.		
	Domand		Fair: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be		
	Demanu		satisfied through the addition of hive or less additional pressure tarks.		
			Poor, storage is not adequate to meet existing on ruture peak instantaneous demand. Future storage requirement cannot be catified with fine or loss additional presente tanks.		
Wator			Excellent New operation and maintenance concerns		
water	Operation &	F	Eater Aged minor operation and maintenance concerns		
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Backflow prevention is included on irrigation system material of years many provide the same.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	(Transient Non-		Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	community	G	disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		6	Good: 11 to 15 years remaining.		
		G	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Treatment System	F	Good: On-site septic drainfield, dosed with a pump.		
			Fair: Un-site septic drainfield, gravity system.		
			Poor: Utner.		
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.		
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow		
			From projected design not exercise exercise exercise system design not		
Wastewater	Operation &	Р	Good: Minor operation and maintenance concerns or level II treatment system.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	City Country into	-	Good: Drainfield area to available area ratio is between 5 and 10.		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	6	Good: 11 to 15 years remaining.		
		9	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
		-	Fair: 1 to 4 amenities		
			Poor: No amenities		

Site Name:	Harlowton RA		Site Scoring & Scoring Definitions
Date:	4/26/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Fair: Meets 85 percent of current 2016 demand.
			Excellent: Meets less than 85 percent of current 2016 demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	6	Good: No ponding or flat areas.
	brainage contaction	, , , , , , , , , , , , , , , , , , ,	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Simooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1°.
			Poor Pourbe surface creates > 2" wide, will defined actively creating and the 2."
			Excellent: New. excellent condition.
	Pavement Striping		Good: Functional. adequate coverage.
	Quality	F	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	F	Good: 11 to 15 years remaining.
	Life	-	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	G	Good: High pressure sodium lighting provided for all 4 areas.
			Poor: No activity lighting
			Excellent: New landscaning, nlants/grass alive and healthy
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Dispis Aroos	6	Good: Functional, well-maintained, clean.
	Fichic Aleas		Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
one			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good Directs traffic properly indicates site areas
	Site Signage	G	Eair: Neressities are signed fair annearance
			Poor: Missing signage or unreadable.
		<u> </u>	Excellent: New receptacles, excellent appearance.
	Exterior Waste	6	Good: Good appearance, receptacles with lids.
	Receptacles	G	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	Р	Excellent: No odor problem
			Poor: Continuous odor problem
			Excellent: New nooring, excellent condition.
	Floor Condition	G	Source was reparation, level.
			Poor: Deteriorated and unattractive
			Excellent: New LED interior lighting, excellent condition.
			Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint		Good: Adequate coverage, no signs of chipping/pealing.
	, ann	1	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	G	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: U to 9 years remaining
	Restroom Plumbics		Good: Good fixture and nining annearance: no leaks
	Fixtures	G	Solut Solutional some maintenance required
	Atures		Poor: Leaking and damaged, or no plumbing fixtures provided
			Excellent: Meets future 2036 demand (and current demand).
	Destars and 61.11	-	Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
		Ĩ	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.
		1	Fair: Sound, weatherproof, some wear and tear.
			Pool. Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions			
Site Name:	Harlowton RA			
Date:	4/26/2018	Inspector:	C. DeVerniero	
Element	•	Site Rating	Definition	
	Municipal System	E	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	-	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Meet Peak	-	pressure tanks.	
	Demand		Fair: Storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be	
	Demana		Boor: Stearage is not adjuste to most avieting or future on each instance units.	
			Fool. Stollage is not adequate to meet existing on other peak instantaneous demand. Foture storage requirement cannot be satisfied with five or loss additional preserve tanks.	
Water			Excellent: New: on operation and maintenance concerns.	
water	Operation &	-	Fair: Aged: minor operation and maintenance concerns.	
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.	
			Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.	
	Backflow Prevention	-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not	
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	(Transient Non-	-	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
	,		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.	
	Remaining Service Life		Excellent: 16 to 20 years remaining.	
		-	Good: 11 to 15 years remaining.	
			Fair: 6 to 10 years remaining.	
	Municipal Custom	-	Poor: U to 5 years remaining.	
	iviunicipal System	E	Excellent: Connected to a municipal system.	
			Good: On-site source system.	
	Treatment System	-	Eair: On-site sentic drainfield, gravity system	
			Poor: Other.	
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.	
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.	
	Flow	-	Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.	
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.	
Wastowator	Operation &		Excellent: No operation and maintenance concerns.	
wastewater	Maintenance	-	Good: Minor operation and maintenance concerns or level II treatment system.	
			Poor: Multiple operation and maintenance concerns; indications of system failure.	
			Excellent: Drainfield area to available area ratio is less than 5.	
	Site Constraints	-	Good: Drainfield area to available area ratio is between 5 and 10.	
			Fair: Drainfield area to available area ratio is between 10 and 15.	
			Poor: Drainfield area to available area ratio is greater than 15.	
	Domaining Convice		Cool: 11 to 12 years remaining.	
	Remaining Service Life	-	Solution to be years remaining.	
			Poor: 0 to 5 years remaining	
			Excellent: 10 or more amenities	
			Good: 5 to 9 amenities	
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities	
			Poor: No amenities	

	Site Scoring & Scoring Definitions		
Site Name:	Hathaway East RA		
Date:	11/2/2017	Inspector:	J. Potts
Element	T	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Pair: Weets as percent of current 2016 demand
		1	Excellent: Meets less than 85 percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	-	Good: No ponding or flat areas.
	Dramage condition	, r	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
			Pair: Moderately rough surface, tracking 3/8 to 3 wide, some network tracking, rutting depths 1 -2.
		-	Pool. Rought Surace, tracks > 5 wide, wen-defined network tracking, fulling depths > 2.
	Pavement Strining		Good Functional adequate coverage
	Quality	F	Fair: Functional some deterioration.
	 ,		Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service		Good: 11 to 15 years remaining.
	Life	۲	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Good: High pressure sodium lighting provided for all 4 areas.
			Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
	Landscaping/Lawp		Excellent: New landscaping, plants/grass alive and healthy.
		F	Solur Haints/grass are alive & appear lie ating.
	Arcus		Poor Plants/grass are not alive
			Excellent: New picing facilities, excellent condition.
			Good: Functional, well-maintained, clean.
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.
C14 -			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	-	Good: Adequate connectivity, minimal deterioration.
	Sidewalks	· ·	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	G	Good: Directs traffic properly, indicates site areas.
			Fair: Necessities are signed, fair appearance.
		-	POOL withshing signage of uniteduatile.
	Exterior Waste		Good sport appearance recent appearance.
	Receptacles	G	Fair: Fair appearance, recentacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Fa ailite Mantilation		Excellent: No odor problem
	Facility Ventilation	E	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	G	Good: No cracks or separation, level.
		1	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
		1	Excellent: New LED Interior lighting, excellent condition.
	Interior Lighting	F	Eair: Sufficient illumination, nigh emiclency LED Instures.
		1	Poor: Unsafe illumination, antiquated fixtures or no interior lighting provided
			Excellent: New paint, excellent condition.
		I .	Good: Adequate coverage, no signs of chipping/pealing.
	Paint	G	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	Р	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: 0 to 9 years remaining
	D		Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	G	Soou, Sooo insture and piping appearance; no leaks.
	rixtures		Fail. Functional, Some maintenance required.
			Excellent: Meets future 2036 demand (and current demand).
	_		Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
		, i	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.
			Fair: Sound, weatherproof, some wear and tear.
		L	Poor. Detenorated, leaking, significant air innitration.

	Site Scoring & Scoring Definitions			
Site Name:	Hathaway East RA			
Date:	11/2/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
	Municipal System	NO	Excellent: Connected to a municipal system.	
	Course Course little to	1	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Demand	Ē	Calculated intuitie beak daily demand.	
	Demana	1	Poor: Evicting observed not have adequate capacity to meet calculated existing on tuble peak adapt definition.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
		1	Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to	1	peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Meet Peak		pressure tanks.	
	Instantaneous		Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be	
	Demand	1	satisfied through the addition of five or less additional pressure tanks.	
		1	Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be	
		<u> </u>	satisfied with five or less additional pressure tanks.	
Water	Operation &		Excellent: New; no operation and maintenance concerns.	
	Maintenance		Fair: Aged; minor operation and maintenance concerns.	
		 '	Poor: Multiple operation and maintenance concerns; indications of system failure.	
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.	
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
	Source Quality		Excellent: No history of water quality violations for collform bacteria or nitrates within the past five years. water system does not	
	(Transient Non-		require distinction per wen construction details. Currency, no reactment or distinction is provided.	
	community	F	divinfaction based on well construction details or treatment and/or disinfection is currently provided	
	Monitoring		East Occasional water quality violations for coliform bacteria or nitrates within the past five years	
	Regulations)		Poor: Recurring history of water quality violations for colliform bacteria or nitrates.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service Life	_	Good: 11 to 15 years remaining.	
		Р	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: On-site advanced system.	
	Treatment System	G	Good: On-site septic drainfield, dosed with a pump.	
		-	Fair: On-site septic drainfield, gravity system.	
		 '	Poor: Other.	
			Excellent:	
	Wastewater Design	G	groudwater discharge permit.	
	Flow		G000: 2056 projected design now exceed the estimated existing wastewater system design flow.	
			Pall. 2030 projected design now exceed the estimated existing wastewater system design flow	
Wastewater			Excellent: No operation and maintenance concerns.	
	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.	
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.	
			Excellent: Drainfield area to available area ratio is less than 5.	
	City Constraints	-	Good: Drainfield area to available area ratio is between 5 and 10.	
	Site constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.	
			Poor: Drainfield area to available area ratio is greater than 15.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
		ļ'	Poor: 0 to 5 years remaining.	
		1	Excellent: 10 or more amenities	
Amenities	Number of Amenities	E	Good: 5 to 9 amenities	
		1	Fair: 1 to 4 amenities	
		1	Poor: No amenities	

			Site Scoring & Scoring Definitions
Site Name:	Hathaway West RA		
Date:	11/2/2017	Inspector:	J. Potts
Element	-	Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls		Fair: Weets 85 percent of current 2016 demand.
		1	Excellent: Meets less than 85 percent of current demand.
			Good: Meets current 2016 demand.
	Truck Parking Stalls	F	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	6	Good: No ponding or flat areas.
	Dramage condition		Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
			Fair: Moderately rough surface, cracking 5/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Pool. Rought Surace, tracks > 5 wide, wen-defined network tracking, fulling depths > 2.
	Pavement Strining		Good Functional adequate coverage
	Quality	G	Fair: Functional some deterioration.
	 ,		Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service		Good: 11 to 15 years remaining.
	Life	F	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Good: High pressure sodium lighting provided for all 4 areas.
			Fair: High pressure sodium lighting provided for 2-3 areas.
			POOT: Now exterior ingruing.
	Landscaning/Lawn		Good Data (mars are alive & anosar healthy
	Areas	F	Fair: Plants/grass are alive but do not annear healthy
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
			Good: Functional, well-maintained, clean.
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good: Directs traffic properly, indicates site areas
	Site Signage	G	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	6	Good: Good appearance, receptacles with lids.
	Receptacles	, i	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	E	Excellent: No odor problem
		-	Excellent: New Mooring, excellent condition.
	-	I .	Good: No cracks or separation, level.
	Floor Condition	G	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior Lighting	F	Good: Good illumination, high efficiency LED fixtures.
	and a second second	I '	Fair: Sufficient illumination, older high pressure sodium fixtures.
		L	Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	G	Fair: Some maintenance required for isolated areas
			Poor: Entire renaint needed
		_	Excellent: 45 to 50 years remaining
	Remaining Service		Good: 30 to 44 years remaining
a	Life	Р	Fair: 10 to 29 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.
	Fixtures	ľ	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Restroom Stalls	E	Good: Weets current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
		l .	Good: Watertight , no signs of deterioration, maintenance free.
	Roofing	G	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.
		Ī	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions				
Site Name:	Hathaway West RA				
Date:	11/2/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Storage Conshility to		Source storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated nuture peak instantaneous demand. Exiting storage requirement can be solitified through the addition of flux or loss additional		
	Meet Peak		peak instantieus demand. Tuture storage requirement can be satisfied through the adultion of five or less adultional pressure tanks		
	Instantaneous	F	Fair Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks.		
			Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	Our such and		Excellent: New; no operation and maintenance concerns.		
	Maintonanco	F	Fair: Aged; minor operation and maintenance concerns.		
	Wallicenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
			Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community	F	Good: No history of water quality violations for collorm bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Poor Decursional water quality violations for conform bacteria or nitrates within the past rive years.		
			Fool - techning instory or water quarky violations for comon bacteria or initiates.		
	Remaining Service Life		Good: 11 to 15 years remaining.		
		G	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Trootmont System	G	Good: On-site septic drainfield, dosed with a pump.		
	Treatment System	6	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
		G	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &	G	Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: Willing operation and maintenance concerns or level it treatment system.		
			From the provide and the manufacture concerns, indications or system nature.		
			Good: Drainfield area to available area ratio is between 5 and 10		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life		Good: 11 to 15 years remaining.		
		P	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
, uncondes			Fair: 1 to 4 amenities		
			Poor: No amenities		

Site Scoring & Scoring Definitions				
Site Name:	Homestake East PA			
Date:	5/30/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention	
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	G	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
Site	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	G	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
	Sidewalks	Р	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	F	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	G	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

Site Scoring & Scoring Definitions				
Site Name:	Homestake West PA			
Date:	5/30/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention.	
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	G	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
Site	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site	Sidewalks	Р	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

	Site Scoring & Scoring Definitions			
Site Name:	Hysham East RA			
Date:	11/2/2017	Inspector:	J. Potts	
Element	-	Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Vehicle	E	Good: Meets current 2016 demand.	
	Parking Stalls		Fair: Weets 85 percent of current 2016 demand.	
		1	Excellent: Meets less than 85 percent of current demand.	
			Good: Meets current 2016 demand.	
	Truck Parking Stalls	Р	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition		Good: No ponding or flat areas.	
	Dramage condition		Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	E	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
		-	Pool. Rought Surace, tracks > 5 wide, wen-defined network tracking, fulling depths > 2.	
	Pavement Strining		Good Functional adequate coverage	
	Quality	E	Fair: Functional some deterioration.	
	 ,		Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	-	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	E	Good: High pressure sodium lighting provided for all 4 areas.	
			Fair: High pressure sodium lighting provided for 2-3 areas.	
			POOT: Now exterior ingruing.	
	Landscaning/Lawn		Good: Diante (marss are alive & annear healthy	
	Areas	E	Fair: Plants/grass are alive but do not annear healthy	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Dissis Asses		Good: Functional, well-maintained, clean.	
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required.	
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Good: Directs traffic properly, indicates site areas	
	Site Signage	E	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste	F	Good: Good appearance, receptacles with lids.	
	Receptacles	-	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			Excellent: New Mooring, excellent condition.	
	-	I .	Good: No cracks or separation, level.	
	Floor Condition	E	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	Е	Good: Good illumination, high efficiency LED fixtures.	
	00		Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsate illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent, ivew paint, excellent condition.	
	Paint	E	Fair: Some maintenance required for isolated areas	
		1	Poor: Entire repaint needed.	
		1	Excellent: 45 to 50 years remaining	
	Remaining Service	-	Good: 30 to 44 years remaining	
Structure	Life	Ŀ	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	E	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	1	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Good: Meets current 2016 demand.	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	F	Good: Watertight, no signs of deterioration, maintenance free.	
	liooning	l `	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
		1	Excellent: New siding, excellent condition.	
	Siding	E	Good: Sound, weatherproof, tight, good finish, maintenance free.	
			ran. Sound, weatherproof, some wear and tear.	
			roor, betenorateu, ieaking, significant an innitration.	

	Site Scoring & Scoring Definitions					
Site Name:	e Name: Hysham East RA					
Date:	11/2/2017	Inspector:	J. Potts			
Element	•	Site Rating	Definition			
	Municipal System	NO	Excellent: Connected to a municipal system.			
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.			
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet			
	Meet Peak Daily	E	calculated future peak daily demand.			
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.			
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.			
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.			
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future			
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional			
	Meet Peak	G	pressure tanks.			
	Instantaneous		Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be			
	Demand		satisfied through the addition of five or less additional pressure tanks.			
			Poor: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement cannot be			
Water			Satisfied with the oriess additional pressure talks.			
water	Operation &	F	Fire Ared, million and maintenance concerns			
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure			
			From manyie operation and many end on irritation system line if domestic and irritation source are the same			
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.			
			Excellent: No history of water quality violations for collorm bacteria or nitrates within the past five years. Water system does not			
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.			
	(Transient Non-	E	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires			
	community		disinfection based on well construction details or treatment and/or disinfection is currently provided.			
	Monitoring		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.			
	Regulations)		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.			
	Remaining Service Life		Excellent: 16 to 20 years remaining.			
		-	Good: 11 to 15 years remaining.			
		E	Fair: 6 to 10 years remaining.			
			Poor: 0 to 5 years remaining.			
	Municipal System	NO	Excellent: Connected to a municipal system.			
		E	Excellent: On-site advanced system.			
	Treatment System		Good: On-site septic drainfield, dosed with a pump.			
			Fair: On-site septic drainfield, gravity system.			
			Poor: Other.			
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.			
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.			
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.			
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.			
Wastewater	Operation &	6	Excellent: No operation and maintenance concerns.			
	Maintenance	G	Good: winor operation and maintenance concerns or level il treatment system.			
			Pool. Multiple operation and maintenance concerns; indications or system failure.			
			Good: Desinficial area to available area ratio is less than 5.			
	Site Constraints	Р	Social Diaminetical area to available area ratio is between 5 and 10.			
			Point: Drainfield area to available area ratio is greater than 15.			
			Excellent: 16 to 20 years remaining.			
	Remaining Service		Good: 11 to 15 years remaining			
	Life	E	Fair: 6 to 10 years remaining.			
			Poor: 0 to 5 years remaining.			
			Excellent: 10 or more amenities			
		_	Good: 5 to 9 amenities			
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities			
			Poor: No amenities			

	Site Scoring & Scoring Definitions			
Site Name:	Hysham West RA			
Date:	11/2/2017	Inspector:	J. Potts	
Element	1	Site Rating	Definition	
	Passonger Vehicle		Excellent: Weets future 2036 demand (and current demand).	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	в	Good: Meets current 2016 demand.	
	Truck Parking Stalls	۲	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	E	Good: No ponding or flat areas.	
Darking 9			Fair: Some ponding and flat areas.	
Parking &		-	Poor, Ponding of large areas of water retention.	
. avenient			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting denths < 1".	
	Pavement Condition	E	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	F	Good: Functional, adequate coverage.	
	Quality	-	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	E	Good: 11 to 15 years remaining.	
	Lite		Fair: 6 to 10 years remaining.	
			Fool. 0 to 5 years ternaming. Excellent: LED linking provided for all 4 areas (parking areas, building entries, bighway ramps, and walkways)	
			Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	E	Good: Plants/grass are alive & appear healthy.	
	Areas	-	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	E	Good: Functional, well-maintained, clean.	
			Fair: Functional, some maintenance/cleaning required.	
Site			Evcellent: New sidewalks, no deterioration	
			Good: Adequate connectivity, minmal deterioration.	
	Sidewalks	E	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	F	Good: Directs traffic properly, indicates site areas.	
	Site Signage	-	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	- · · · · ·		Excellent: New receptacles, excellent appearance.	
	Exterior Waste	E	Good appearance, receptacles with lids.	
	Receptacies		Poor: Poor appearance, receptacies without lids, or no receptacies provided	
			Excellent: No odor problem	
	Facility Ventilation	E	Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition		Good: No cracks or separation, level.	
	FIDDI CONULION		Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	E	Good: Good illumination, high efficiency LED fixtures.	
			Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsate illumination, antiquated txtures, or no interior lighting provided.	
			Good: Adoption coverses on since of chinging (popling	
	Paint	E	Eair: Some maintenance required for isolated areas	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	-	Good: 30 to 44 years remaining	
Structure	Life	E	Fair: 10 to 29 years remaining	
Juduie			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	E	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required.	
	-		Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
		L .	Good: Watertight , no signs of deterioration, maintenance free.	
	ROOTING	E	Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.	
	B	l `	Fair: Sound, weatherproof, some wear and tear.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions				
Site Name:	Hysham West RA				
Date:	11/2/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	F	pressure tanks.		
	Demand		rail. storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be		
	Demana		Boor: Stearage is not adjuste to most avieting or future pack instantaneous demand. Future stearage requirement capped be		
			Fool. Stollage is not adequate to meet existing on other peak instantaneous demand. Foture storage requirement cannot be satisfied with five or less additional preserve tanks.		
Water			Excellent: New: on operation and maintenance concerns.		
water	Operation &	Е	Fair: Aged: minor operation and maintenance concerns.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.		
		_	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	(Transient Non-	E	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Community		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
	inegulations)		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		F	Good: 11 to 15 years remaining.		
		E	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
	Treatment System	E	Excellent: On-site advanced system.		
			Good: On-site septic drainfield, dosed with a pump.		
			Fair: Un-site septic drainfield, gravity system.		
			Poor: Uther.		
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.		
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow		
			Four projected design not exercise exercise exercise system design not		
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	City Country into		Good: Drainfield area to available area ratio is between 5 and 10.		
	Site Constraints	Р	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life	E	Good: 11 to 15 years remaining.		
		-	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
			Fair: 1 to 4 amenities		
			Poor: No amenities		

Site Name:	Jefferson City North B	ł	Site Scoring & Scoring Definitions
Date:	10/19/2017	Inspector:	J. Potts
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.
			Poor: Most los than 85 percent of current 2016 demand
			Excellent: New parking area no ponding or flat areas
			Good: No onoting or flat areas
	Drainage Condition	F	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Development Constitution		Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	G	Good: Functional, adequate coverage.
	Quality	-	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Poor Oto Super remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas building entries, highway ramps, and walkways)
			Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	F	Fair: High pressure socialm igniting provided for 2-3 areas
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	6	Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	Р	Good: Functional, well-maintained, clean.
	i lane / a cus		Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
			Excellent: New sidewalks, no deterioration.
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.
			Poor Discontinuous deterioratum.
		-	Fool: Discontinuous, detentionated.
			Good: Directs traffic properly. Indicates site areas.
	Site Signage	G	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	6	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	Р	Excellent: No odor problem
		_	Poor: Continuous ador problem
			Social Ne section condition
	Floor Condition	F	Fair: Some wear and minor imperfections
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
			Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint		Good: Adequate coverage, no signs of chipping/pealing.
		I '	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	Р	Good: 30 to 44 years remaining
Structure	Life		Fail. 10 to 25 years remaining
			Pool . 0 to 9 years remaining Excellent: New numbing fixtures excellent condition
	Restroom Plumbing		Good: Good fixture and nining annearance: no leaks
	Fixtures	G	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Bestroom Stalls	-	Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
			Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New slaing, excellent condition.
	Siding	F	Sound, weatherproof, tight, good ninsh, maintenance free.
			ran, sound, wedtherproof, some wedrand lear. Poor: Deteriorated leaking significant air infiltration
		L	roor. Detenorateu, ieaking, significant an innitration.

	Site Scoring & Scoring Definitions				
Site Name:	Jefferson City North RA				
Date:	10/19/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
Water	Municipal System	NO	Excellent: Connected to a municipal system.		
	Source Capability to Meet Peak Daily Demand	E	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand. Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand. Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
	Storage Capability to Meet Peak Instantaneous Demand	E	Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand. Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks.		
	Operation & Maintenance	F	Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	E	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality (Transient Non- community Monitoring Regulations)	F	 Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided. Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. 		
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
Wastewater	Treatment System	F	Excellent: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Poor: Other.		
	Wastewater Design Flow	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
	Operation & Maintenance	G	Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Site Constraints	E	Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15.		
	Remaining Service Life	Р	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.		
Amenities	Number of Amenities	E	Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 1 to 4 amenities Poor: No amenities		

Site Name:	Jefferson City South R/	4	Site Scoring & Scoring Definitions
Date:	6/1/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Dessention		Excellent: Meets future 2036 demand (and current demand).
	Passenger Venicle Parking Stalls	G	Good: Meets Current 2016 demand. Fair: Meets 85 nercent of current 2016 demand
	i unung stuns		Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.
	riden i drining statis	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	G	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
		-	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Pavement Strining		Good: Eunctional adequate coverage
	Quality	G	Fair: Functional, some deterioration.
	. ,		Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining. Eventional: LED lighting provided for all 4 areas (parking areas, building optics, bighuru ramps, and walloways)
			Good: High pressure sodium lighting provided for all 4 areas
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.
	Areas	_	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Good: Euctional, well-maintained, clean.
	Picnic Areas	F	Fair: Functional, some maintenance/cleaning required.
C14 -			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.
			Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Good: Directs traffic property, indicates site areas.
	Site Signage	F	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	G	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Excellent: No odor problem
	Facility Ventilation	Р	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	-	Good: No cracks or separation, level.
			Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED Interior lighting, excellent condition.
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.
			Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
	Romaining Sonvica		Excellent: 45 to 50 years remaining
	Life	Р	Fair: 10 to 29 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	Р	Good: Good fixture and piping appearance; no leaks.
	Fixtures		Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand). Good: Meets current 2016 demand
	Restroom Stalls	E	Fair: Meets S5 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
		1 ⁻	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Good: Sound, weatherproof, tight, good finish, maintenance free.
	Siding	F	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

Gene in City South MA Dete: 6/7.015 Mysecrim C Cyberration Enterinity Site Rating Definition Source Capability to Meet Pask Daily Demand NO Excellent: Connected to a municipal system. Source Capability to Meet Pask Daily Demand NO Excellent: Source has adequate capacity to meet calculated existing of future pask daily demand. Source Capability to Meet Pask Daily Demand Excellent: Source deson that adequate capacity to meet calculated existing of future pask daily demand. Source Capability to Meet Pask Demand Excellent: Source deson that adequate to meet calculated existing or future pask daily demand. Source Capability to Meet Pask Demand Excellent: Source deson those demand. Future statistication of two or leak daily demand. Source Capability to Meet Pask Demand E Excellent: Source deson those demand. Future pask instantaneous demand. Future storage requirement can be astified with free data future pask instantaneous demand. Future storage requirement can be astified with free data future pask instantaneous demand. Vaster Operation & Maintenance F Excellent: New, to operation and maintenance concerns. Four: Multiple operation is included on intration source are the same. Poor: Multiple operation is included on intratison to intrates wit		Site Scoring & Scoring Definitions					
Oute: 0 / 10/31 / 10/31 / 10/31 Note / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	Site Name:	te Name: Jefferson City South RA					
Generation Site Partial Pointment Definition Market Peak Data No Excellent: Connected to a municipal system. Market Peak Daily Demand Excellent: Connected to a municipal system. Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Source Capability to Meet Peak Daily Demand Excellent: Source does not have adequate capacity to meet calculated existing and future peak daily demand. Source Capability to Meet Peak Instanceous Excellent: Source does not have adequate capacity to meet calculated existing or future peak daily demand. Source Capability to Meet Peak Instanceous E Excellent: Source does not have capacity to meet calculated existing or future peak instanceous demand. First Source Source Source Source Source Source Peak daily demand but does not have capacity to meet calculated future peak instanceous demand. Foreint Source Source Source Peak daily demand. Source Capability to Meet Peak Instanceous E Foreint Source Source Source Peak daily demand. Foreint Source Source National Pressure Takis. Source Capability to Meet Peak E Foreint Source Source Source Peak daily demand. Foreint Source Source National Pressure Takis. Source Capability to Meet Peak E Foreint Source Source National Pressure Takis. Foreint Source Source National Pressure Takis. Source Ca	Date:	6/1/2018	Inspector:	C. DeVerniero			
Municipal System No Excellent: Connected to a municipal system. Source Capability to Mere Ab Daily Demand Excellent: Source has adequate capacity to meet calculated existing and future pack daily demand. Source Capability to Mere Ab Daily Demand Excellent: Source has adequate capacity to meet calculated existing or future pack daily demand. Source Capability to Mere Ab Daily Demand Excellent: Storage is adequate to meet calculated existing or future pack daily demand. Source Capability to Mere Teak Excellent: Storage is adequate to meet calculated existing or future pack daily demand. Source Capability to Mere Teak Excellent: Storage is adequate to meet calculated existing or future pack instrumenous demand. Source Capability to Mere Teak Excellent: Storage is adequate to meet calculated existing or future pack instrumenous demand. Monice Teak File Faccilent: Storage is adequate to meet calculated existing or future pack instrumenous demand. Monice Teak File Faccilent: Storage is adequate to meet adolfs or future pack instrumenous demand. Monice Teak File Faccilent: Storage is adequate to meet adolfs or future pack instrumenous demand. Storage Capability to Mere Teak Faccilent: Storage is adequate to meet calculated existing pack instrumenous demand. Monice Teak Faccilent: Storage is adequate to meet calculated existing pack instrume	Element		Site Rating	Definition			
Surce Capability to Meet Peak Daily Personal Source Capability to Meet Peak Daily Personal Source Capability of Meet Peak Daily Personal Source Capability of Meet Peak Daily Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Capability of Personal Source Cap		Municipal System	NO	Excellent: Connected to a municipal system.			
Source Capability to Demand E Good: Source has adequate capacity to meet calculated during pask dury demand to design of huve capacity to meet calculated during pask dury demand. Weet Personal Source Capability to Personal E Excellent: Source does not have dappate capacity for meet calculated dury demand. Source Capability to Personal E Excellent: Source does not have dappate to meet calculated during and future pask dury demand. Source Capability to Personal E Excellent: Source is desquate to meet calculated during and future pask and pask domand. Future storage requirement can be adapted to meet calculated future pask instantaneous demand. Future storage requirement can be adapted to meet calculated future pask instantaneous demand. Future storage requirement can be attified through the addition of the or less additional pressure tanks. Water Operation & Remaining Person E Excellent: New, no operation and maintenance concerns. Form: Addition pressure tanks. Backflow Prevention E Excellent: New, no operation and maintenance concerns. Form: Addition prevention is included on imgation system failure. Noon: Notice pask and volume quality violations for collamb backet and integration source are the same. Form: Starting backflow prevention is included on imgation system failure. Noon: Notice pask and volume quality violations for collamb backet an intrastent within the pask typestem dos not require distinger violation for collamb backet an intrastent within the pask typestem. Form: Starting Starting Not Water quality violations for collamb backet an intrasten within the pasket tanke				Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.			
Meet Peak Daily Demind E Calculated future peak daily demail. Firs: Source does not have adapted: capacity to meet calculated existing of future peak daily demail. Poor: Existing observed problems with quantity, source does not have capacity for exist genemal. Poor: Existing observed problems with quantity, source does not have adapted: come calculated future peak instantaneous Demand Water Peak Instanceus Demand Fig. Fig. Fig. Fig. Source Capability of Meet Peak Instanceus Demand Fig. Fig. Fig. Fig. Source Capability of Maintenance Fig. Fig. Fig. Fig. Fig. Source Capability of Maintenance Fig. Fig. Fig. Fig. Fig. Fig. Fig. Source Capability of Maintenance Fig.		Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet			
Demand Fair: Source does not have adequate capacity to meet calculated existing on future peak adjudemand. Vertex Proc: Existing observed profess with quantity, source does not have capacity for existing demand. Storage Capability to meet calculated sitting and future peak instantaneous demand of four peak with stantaneous demand. Cocie: Storage is adequate to meet calculated oxisting and future peak instantaneous demand. Future storage requirement can be assifted through the addition of the or less additional pressure tanks. Storage Capability to meet calculated oxisting and future peak instantaneous demand. Future storage requirement can be assifted through the addition of fee or less additional pressure tanks. Operation & Period Capability to meet calculated oxisting and maintenance concerns. Pair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be assifted through the addition of fee or less additional pressure tanks. Operation & Period Capability to meet calculated oxisting and maintenance concerns. Pair: Aded, mino prestrion and maintenance concerns. Backflow Prevention E Excellent: Backflow prevention is included on imgation system failure. Source Quality (Transfer Anon. E Pair: Aded, mino addition for collorm bacteria or intrase with the past five years. Backflow Prevention F For: Easting deviation for collorm bacteria or intrase with past five years. Pair: Easting deviation for collorm bacteria or intrase with past five years.		Meet Peak Daily	E	calculated future peak daily demand.			
Mater Monit Existing observed problems with quantity, source does not have capacity for existing demand. Water Storage Capability to Meter Peak Instanceous demand. E Participation 8: Maintenance E First Storage is adequate to meet calculated existing pack instanceous demand. Future storage requirement can be assified through the addition of five or less additional peak instanceous demand. Future storage requirement can be assified through the addition of five or less additional peak instanceous demand. Future storage requirement can be satisfied with five or less additional pressure tanks. Water Operation 8: Maintenance F Excellent: New, no operation and maintenance concerns. Fair: Adget micro operation and maintenance concerns. For: Bad/Dop Prevention 5 included on irrigator system fair futures addition of system fairue. For Book Multiple operation and maintenance concerns. For: Book Prevention 5 and future pak instance and irrigator source are the same. For: Book Prevention 5 and future pak instance and irrigator source are the same. For: Book Prevention 5 and future pak instance and irrigator source are the same. For: Book Prevention 5 and future pak instance and irrigator source are the same. For: Book Prevention 5 and future pak instance and fragetor prevention 5 and future pak instance and irrigator source are the same. For Book Prevention 5 and future pak instance and irr		Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.			
Water Paration & Pack Instantaneous demand a future pack instantaneous demand. Coord: Storage is adequate to meet calculated existing and future pack instantaneous demand. Future storage requirement can be satisfied through the addition of the or less additional persure tanks. Water Persion & F Fair: Storage is not adequate to meet existing on future pack instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Operation & F F Fair: Storage is not adequate to meet existing on future pack instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Vester Operation & F Excellent: New, no operation and maintenance concerns. Backflow Prevention E Excellent: Stackfow prevention is not lackade on impaints system line if domestic and impaints ource are the same. Poor: Backflow prevention is not lackade on impaints system line if domestic and impaints ource are the same. Poor: Backflow prevention is not lackade on impaints system line if domestic and impaints ource are the same. Poor: Backflow prevention is not lackade on impaints system line if domestic and impaint ource and the system prevention is not deal and on instantenance concerns; indication of system future pack within the past five years. Water system long in domestic and impaint ource and the system packade on well construction details or relative within the past five years. Poor: Bot system is not adequate to meet adeq				Poor: Existing observed problems with quantity, source does not have capacity for existing demand.			
Water Cool: Storage is dequale to meet calculated outing peak instantaneous demand but not adequate to meet calculated nume peak instantaneous demand. Future storage requirement can be statisfied through the additional pressure tanks. Water Permand E Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be statisfied through the addition of the or less additional pressure tanks. Water Operation & Maintenance E Excellent: New, no operation and maintenance concerns. Fair: Aged, minor operation and maintenance concerns. Fair: Aged, minor operation and maintenance concerns. Poor: Mutage peartion and maintenance concerns. Source Quality (Transient Non- monity E Excellent: New, no operation and maintenance concerns. Poor: Mutage peartion and maintenance concerns. Poor: Mutage peartion and maintenance concerns. Source Quality (Transient Non- monity E Excellent: New, no permetion is included on inginion system line if donestic and irrigation source are the same. Source Quality (Transient Non- monity G Excellent: New in operation and maintenance concerns. Poor: Booty week requality violations for coliform bacteria or intrates within the past five years. Remaining Service Urfe P Excellent: New is on years remaining. Poor: Booty week remaining. Nonicoting P Excellent: To next each advaced to inguine design flow. Cool: No history years remaining. Poor: Booty week remaining. Poor: Oboty week remaining. Poor: Ob				Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.			
Storage Capability to persisting Capability to persisting Capability to persisting Capability to persisting Capability Capability Capability Capability Persisting Capability C				Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future			
Index Frame Pressure lans. Pressure lans. Water Personand F Pressure lans. Water Operation & Maintenance F Pressure lans. Point Starge lans. Source Quality (Transien Non- community Monitoring F Excellent: New, no operation and maintenance concerns. Source Quality (Transien Non- community Monitoring E Excellent: New, no operation and maintenance concerns. Regulations) G Excellent: New, no operation and maintenance concerns. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow prevention is included on irrigation system line if donestic and irrigation source are the same. Point: Backflow Preventic G B		Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional			
Material		Instantaneous	E	pressure tariks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be			
Water Points Processing is not adequate to meet wising of future park instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks. Water Operation 8. Maintenance F Excellent: New, too operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. For: Multiple operation and multiple operation		Demand		satisfied through the addition of five or loss additional prossure tasks.			
Water Maintenance Provide and provide the same of the same tasks. Water Operation & Maintenance F Excellent: New, no operation and maintenance concerns. Fair: Age(s) minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns. Poor: Multiple operation and maintenance concerns. Poor: Multiple operation and maintenance concerns. Poor: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is preving history of water quality violations for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is the satisfield with a pump. Fair: 6 to 10 years remaining. Field: On site advanced ystem. Foor: Oter: For conterior of sevent finanted existing watewater system design flow. Good: Minor operation and maintenance concerns or level in testment existing watewater system design flow. Good: Minor operation and maintenance concerns or level in testment existing wate		Jennana -		satisfied chilotogin the addition of the or less additional pressure tails. Poor: Storage is not adquilate to meet existing or future head instantaneous demand. Future storage requirement cannot be			
Water Operation & Maintenance F Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns. Poor: Multiple operation and maintenance concerns. Poor: Building operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Building operation and maintenance concerns. Source Quality Surce Quality E Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is included on irrigation system mine if domestic and irrigation system does not require disinfection based on well construction details. Currently, no treatment or disinfection is provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection based on well construction details. Currently, no treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Remaining Service Life P Excellent: Conceted to a municipal system. Fair: 6 to 10 years remaining. Foor: Oto 5 years remaining. Foor: Oto 5 years remaining. Fair: 6 no: its espitic drainfield, gravity system. Poor: Other. Wastewater Design Flow F Excellent: Conceted to a municipal system. Foor: Other. Wastewater Design Flow G Excellent: Fuure estimated design flow exceed the estimated existing was				satisfied with five class additional pressure tanks			
Operation & Maintenance F Fair: Aged; minor operation and maintenance concerns; indications of system failure. Poor: Multiple operation and maintenance concerns; indications of system failure. Poor: Multiple operation and maintenance concerns; indications of system failure. Backflow Prevention E Excellent: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same. Source Quality (Transient Non- community G Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection baced on well construction details or treatment and/or disinfection is provided. Regulations) Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection baced on well construction details or treatment and/or disinfection is currently provided. Regulations) Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Municipal System NO Excellent: 10 to 20 years remaining. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Excellent: 10 to 20 years remaining. Vistewater Dispin F Excellent: 10 to 20 years remaining. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Excellent: 10 to 20 years remaining. Vistewater Design <t< th=""><td>Water</td><td></td><th></th><td>Excellent: New; no operation and maintenance concerns.</td></t<>	Water			Excellent: New; no operation and maintenance concerns.			
Maintenance Poor: Multiple operation and maintenance concerns; indications of system fialure. Backflow Prevention E Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same. Source Quality (Transient Non- community Monitoring Regulations) F Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disfrection based on well construction details. Currently, no treatment or disfraction is provided. Remaining Service Life P Excellent: 10 to 20 years remaining. Fair: Occasional water quality violations for coliform bacteria or nitrates. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Municipal System No Excellent: Constructed to a municipal system. Freatment System F Excellent: Constructed to a municipal system. Vestewater Design Flow F Excellent: Constructed to a grant field, gravity system. Poor: Other. Vestewater Design Flow G Cod: 0.56 projected design flow acced the estimated existing wastewater system design flow. Fair: 0.505 projected design flow acced the estimated existing wastewater system design flow. Fair: 0.505 projected design flow acced the estimated existing wastewater system design flow. Fair: 0.506 projected design flow acced the estimated existing wastewater system design flow. Fair: 0.506 pro		Operation &	F	Fair: Aged; minor operation and maintenance concerns.			
Backflow Prevention E Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same. Source Quality (Transient Non- community Regulations) B Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Poor: Backflow prevention is not included on irrigation system in left domestic. and irrigation source are the same. Regulations) B Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Poor: Baccriment work of water quality violations for coliform bacteria or nitrates. Remaining Service Urfe P Excellent: 16 to 20 years remaining. For: 00: 00 to 5 years remaining. Poor: 00: 00 to -site septic drainfield, gravity system. Poor: 00: 00 ther. Poor: 00: 00		Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.			
Backing Paor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same. Source Quality (Transient Non- community Monitoring Regulations) G Excellent: No history of water quality violations for colliform bacteria or nitrates within the past five years. Water system does not require disinfection pare will construction details. Currently, no treatment or disinfection is source are the years. Regulations) God: No history of water quality violations for colliform bacteria or nitrates within the past five years. Remaining Service Life P Excellent: 16 to 20 years remaining. Fair: 0 Cossional water quality violations for colliform bacteria or nitrates. Municipal System NO Excellent: Connected os system. Poor: 0 to 5 years remaining. Fair: 0 costs advanced system. Excellent: Connected os system. Poor: 0 to 5 years remaining. For Excellent: Connected os system. Poor: 0 to 5 years remaining. For God: 0 - site septic drainfield, gravity system. Poor: 0 to 5 years remaining. Wastewater Design Fow F Excellent: Non-site advanced system. Poor: 0 to fir. Vastewater Design Fow F Excellent: Noriset advanced system. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design fl			-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.			
Source Quality (Transient Non- comunity Monitoring Regulations) Excellent: No history of water quality violations for collform bacteria or nitrates within the past five years. Water system dees not require disinfection per well construction details. Currently, no treatment or disinfection is currently provided. Regulations) God: No history of water quality violations for collform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Remaining Service Life P Excellent: So bioly years remaining. God: 10 to 15 years remaining. God: 10 to 15 years remaining. Municipal System NO Excellent: Consected to a municipal system. For: 6 to 10 years remaining. God: 10 to 5 years remaining. Vestewater Design Fow F Excellent: Consected to a municipal system. For: 0n-site septic drainfield, gravity system. Poor: Other. Vestewater Design Fow F Excellent: Future estimated design flow arceles stimated existing watewater system design flow. Fair: 2036 projected design flow exceed the estimated existing watewater system design flow. Poor: 2016 projected design flow exceed the estimated existing watewater system design flow. Poor: 2016 projected design flow exceed the estimated existing watewater system design flow. Poor: 2016 projected design flow exceed the estimated existing watewater system design flow. Poor: 2016 projected design flow exceed the estimated existing watewater system design flow. Poor: 2016 projected design flow exceed the estimated existing watewater system design flow. Poor: 2016 projected design flow exceed the estimated existi		Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.			
Source Quality (maskent Non- community Regulations) G Feature disinfection per well construction details. Currently, no treatment of disinfection is growided. Regulations) Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Nonitoring Regulations) Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Remaining Service (reference) P Excellent: 16 to 20 years remaining. Fair: Occasional water quality violations for coliform bacteria or nitrates. Municipal System NO Excellent: 16 to 20 years remaining. Fair: On-site advanced system. For: 0 to 5 years remaining. Vestewater Design Flow F Excellent: On-site advanced system. For: On-site septic drainfield, doadd with a pump. Fair: 2056 projected design flow are less than the estimated existing watewater system design flow. For: Oto: 0 for Sperice design flow are less than the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design flow. For: 2056 projected design flow exceed the estimated existing watewater system design				Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not			
Kinding in Wolf- monitoring Regulations) Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Remaining Service Life P Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Poor: 10 to 5 years remaining. No Excellent: Constite data data data data data data data da		Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.			
Windication O disinfection based on well construction deals or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		(Transient Non-	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires			
Regulations) Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. Remaining Service Life P Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 10 years remaining. Poor: 0 to 10 years remaining. Poor: 0 to 5 years remaini		Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.			
Wastewater Operation & Good Display Content on the set of		Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.			
Remaining Service Life P Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Por: 0 to 5 years remaining. Por: 0 to 5 years remaining. Municipal System NO Excellent: Connected to a municipal system. Treatment System F Good: 0.1 to 10 years remaining. Por: 0 to 5 years remaining. Wastewater Design Flow F Good: 0.1 site advanced system. Good: 0.01-site septic drainfield, gravity system. Por: 0.01-site advanced system. Vastewater Design Flow F Excellent: Consiste advanced system. Good: 0.05 projected design flow acced the estimated existing wastewater system design flow. Good: 0.05 projected design flow exceed the estimated existing wastewater system design flow. Good: 0.05 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system. Poor: Dinifield area		,		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.			
Remaining Service Life P Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Municipal System NO Excellent: Connected to a municipal system. Treatment System F Excellent: On-site advanced system. Good: On-site septic drainfield, gravity system. Poor: 0 ther. Wastewater Design Flow F Excellent: On-site septic drainfield, gravity system. Poor: 0 ther. Operation & Maintenance F Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Fair: 00-site septic drainfield, gravity system. Poor: 0 ther. Vestewater Operation & Maintenance G Good: 0.056 projected design flow are less than the estimated existing wastewater system design flow. Fair: 0.056 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: Multiple operation and maintenance concerns. Good: Minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure. Poor: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available		Remaining Service Life		Excellent: 16 to 20 years remaining.			
Life Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Municipal System NO Excellent: Connected to a municipal system. Treatment System F Good: 0n-site septic drainfield, doed with a pump. Fair: 0n-site septic drainfield, gravity system. Poor: 0 ther. Wastewater Design Flow F Excellent: Future estimated design flow ear less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: Door Door flow flow exceed the estimated existing wastewater system design flow. Poor: Door Drainfield area to available area ratio is best than 5. Poor: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 1			Р	Good: 11 to 15 years remaining.			
Municipal System NO Excellent: Connected to a municipal system. Freatment System F Good: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Wastewater Design Flow F Excellent: On-site advanced system. Vastewater Design Flow F Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Operation & Maintenance G Excellent: Future estimated design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: Multiple operation and maintenance concerns. Good: Minor operation and maintenance concerns. Good: Minor operation and maintenance concerns. Good: Drainfield area to available area ratio is less than 5. Site Constraints E Excellent: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Fair: 6 to 10 years remaining. Fair: 10 4 amenities				Fair: 6 to 10 years remaining.			
Windicipal system NO Excellent: Conflected to a municipal system. Freatment System F Excellent: Conflected to a municipal system. Good: On-site septic drainfield, gravity system. Poor: Other. Wastewater Design F Excellent: Inclusion of the estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Foir 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: Other. Poor: Other. Excellent: Future estimated design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Foor: Poor: Contrainted area to operation and maintenance concerns. Good: Minor operation and maintenance concerns. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio		Municipal Custom	NO	Poor: U to 5 years remaining.			
Wastewater F Good: On-site septic drainfield, gravity system. Poor: Other. Wastewater Design Flow F Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Foor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: Multiple operation and maintenance concerns. Good: Minor operation and maintenance concerns; indications of system failure. Poor: Multiple operation and maintenance concerns; indications of system failure. Poor: Multiple operation and maintenance concerns; indications of system failure. Poor: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 01 and 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Poor: Drainfield area to available area ratio is greater than 15. Amenities E Excellent: 10 or more amenities Good: 5 to 9 amenities		iviunicipal System	NO	Excellent: Connected to a municipal system.			
Freatment System F Could On-site septic drainfield, gravity system. Poor: Other. Wastewater Design Flow Pref Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: Dor operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Durinfield area to available area ratio is best than 5. Good: Drainfield area to available area ratio is best then 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Amenities E Excellent: 16 to 20 years remaining. Poor: 0 to 5 amenitites		Treatment System		Cool: On cite control draining dystem.			
Wastewater Design Flow P Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Power Power Power: Other. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Power Power Power Power Power Vastewater Operation & Maintenance G Excellent: No operation and maintenance concerns. Good: Dinifield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is less than 5. Site Constraints E Excellent: Drainfield area to available area ratio is between 10 and 15. Poor: Durinfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Fair: Diainfield area to available area ratio is greater than 15. Poor: Ot of years remaining. Fair: 6 to 10 years remaining. Fair: 6 to 10 years remaining. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Ot of years remaining. Fair: 10 of more ameni			F	Good. On-site sentic drainfield, gravity system			
Wastewater Design Flow F Excellent: Future estimated design flow exceed the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2015 projected design flow exceed the estimated existing wastewater system design flow. Poor: Multiple operation and maintenance concerns. Good: Minor operation and maintenance concerns, indications of system failure. Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Amenities E Excellent: 10 or more amenities Good: 5 to 9 amenities				Pon: Other			
Wastewater Design Flow F Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Operation & Maintenance G Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns. Good: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Fair: 6 to 10 years remaining. Poor: Drainfield area to available area ratio is greater than 15. Amenities R Excellent: 10 or more amenities Good: 5 to 9 amenities Excellent: 10 or more amenities Good: 5 to 9 amenities				Excellent: Eutrice estimated design flow are less than the estimated existing wastewater system design flow.			
Flow F Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow. Operation & Maintenance G Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns; indications of system failure. Site Constraints E Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is petter than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Amenities Remaining E Excellent: 10 or more amenities Fair: 10 4 amenities Excellent: 10 4 amenities		Wastewater Design	F	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.			
Image: space		Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.			
Wastewater Operation & Maintenance G Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns, indications of system failure. Free state For: Multiple operation and maintenance concerns, indications of system failure. Poor: Multiple operation and maintenance concerns, indications of system failure. Site Constraints E Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Pair: 6 to 10 years remaining. Pair: 6 to 10 years remaining. Pair: 6 to 10 years remaining. Amenities E Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 10 4 amenities E Good: 5 to 9 amenities Fair: 10 4 amenities				Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.			
Maintenance G Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns indications of system failure. File Poor: Multiple operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns or level II treatment system. Site Constraints E Excellent: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Amenities Remaining Good: 5 to 9 amenities Fair: 10 or more amenities Fair: 10 or amenities Excellent: 10 or more amenities Fair: 10 to 4 amenities	Mastawatar	Operation 9		Excellent: No operation and maintenance concerns.			
Amenities Number of Amenities Poor: Multiple operation and maintenance concerns; indications of system failure. Poor: Multiple operation and maintenance concerns; indications of system failure. Failure. Poor: Multiple operation and maintenance concerns; indications of system failure. Failure. Failure. Facellent: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service P Excellent: 16 to 20 years remaining. Fair: Drainfield area to available area ratio is greater than 15. Foor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Foor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: O to 5 years remaining. Fair: 6 to 10 years remaining. Poor: O to 5 years remaining. Poor: 0 to 5 years remaining. Poor: O to 5 years remaining. Fair: 1 to 10 more amenities Fair: 1 to 4 amenities Fair: 1 to 4 amenities	wastewater	Maintonanco	G	Good: Minor operation and maintenance concerns or level II treatment system.			
Amenities Number of Amenities E Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Poor: Dto 20 years remaining. Poor: 0 to 5 years remaining. Poor: 10 or amenities Fair: 10 or amenities Fair: 10 a amenities		Wallicenance		Poor: Multiple operation and maintenance concerns; indications of system failure.			
Site Constraints E Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Remaining Service Life P Excellent: 16 to 20 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 4 years remaining. Poor: 0 to 4 years remaining. Amenities E Excellent: 10 or more amenities Fair: 1 to 4 amenities				Excellent: Drainfield area to available area ratio is less than 5.			
Amenities Number of Amenities E Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15. Perform Perform Perform Perform Perform Excellent: 16 to 20 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Perform Perform Excellent: 10 or more amenities Good: 5 to 9 amenities Perform Excellent: 10 or more amenities Fair: 1 to 4 amenities		Site Constraints	E	Good: Drainfield area to available area ratio is between 5 and 10.			
Amenities Number of Amenities E Poor: Drainfield area to available area ratio is greater than 15. Poor: Drainfield area to available area ratio is greater than 15. Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Fair: 6 to 10 years remaining. Foor: 0 to 5 years remaining. Fair: 10 or more amenities Good: 5 to 9 amenities Fair: 10 4 amenities Fair: 10 4 amenities			_	Fair: Drainfield area to available area ratio is between 10 and 15.			
Amenities Number of Amenities E Excellent: 16 to 20 years remaining. Fair: 6 to 20 years remaining. Good: 11 to 15 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 10 to 4 amenities Fair: 10 to 4 amenities				Poor: Drainfield area to available area ratio is greater than 15.			
Remaining Service Life P Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Poor: 0 to 5 years remaining. Excellent: 10 or more amenities Amenities E Good: 5 to 9 amenities Fair: 1 to 4 amenities				Excellent: 16 to 20 years remaining.			
Amenities Number of Amenities E Fair: to 4 amenities Fair: to 4 amenities		Remaining Service Life	Р	Good: 11 to 15 years remaining.			
Amenities Number of Amenities E Fair: 10 or more amenities Fair: 10 or more amenities				Fair: 6 to 10 years remaining.			
Amenities Number of Amenities E Good: 5 to 9 amenities Fair: 1 to 4 amenities				Evention to to a years remaining.			
Amenities Number of Amenities E Gouda to 9 amenities				Cood: Eto 9 amonition			
Tail. 1 to 4 anchites	Amenities	Number of Amenities	E	Fair: 1 to 4 amenities			
Poor: No amenities				Poor: No amenities			

Site Name:	Site Scoring & Scoring Definitions			
Date:	5/31/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Passenger Vehicle	Е	Good: Meets current 2016 demand.	
	Parking Stalls		Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand. Excellent: Meets future 2036 demand (and current demand)	
			Good: Meets current 2016 demand	
	Truck Parking Stalls	F	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	6	Good: No ponding or flat areas.	
	Dramage condition		Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Pavement			Excellent: New pavement, no cracking or rutting.	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
			Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Excellent: New excellent condition	
	Pavement Striping		Good: Functional, adequate coverage.	
	Quality	G	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	6	Good: 11 to 15 years remaining.	
	Life	, C	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	F	Good: High pressure sodium lighting provided for all 4 areas.	
			Poor: No action lighting	
			Excellent: New landscaning, plants/grass alive and healthy	
	Landscaping/Lawn		Good: Plants/erass are alive & appear healthy.	
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picpic Aroos	6	Good: Functional, well-maintained, clean.	
	Fichic Aleas		Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Good: Directs traffic properly, indicates site areas	
	Site Signage	E	Fair: Nerestiting are signed fair annearance	
			Poor: Missing signage or unreadable.	
			Excellent: New receptacles, excellent appearance.	
	Exterior Waste		Good: Good appearance, receptacles with lids.	
	Receptacles	- ⁻	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			Poor: Continuous odor problem	
			Good: No cracks or separation level	
	Floor Condition	E	Fair: Some wear and minor imperfections.	
		1	Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior 11 1 1	I .	Good: Good illumination, high efficiency LED fixtures.	
	Interior Lighting	l f	Fair: Sufficient illumination, older high pressure sodium fixtures.	
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, excellent condition.	
	Paint	E	Good: Adequate coverage, no signs of chipping/pealing.	
		1	Fair: Some maintenance required for isolated areas.	
		L	Poor: Entire repaint needed.	
	Demolala C. I		Excellent: 45 to 50 years remaining	
	Remaining Service	G	Good: 30 to 44 years remaining	
Structure	L1/C		ran. 10 to 25 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	1	Good: Good fixture and piping appearance: no leaks	
	Fixtures	E	Fair: Functional, some maintenance required.	
		1	Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls	5	Good: Meets current 2016 demand.	
	Restroom stalls	-	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	E	Good: Watertight , no signs of deterioration, maintenance free.	
			Fair: Watertight, some maintenance needed.	
			Poor: Leaking and deteriorated.	
			Count New staing, excellent condition.	
	Siding	E	Cool, Sound, weatherproof, tight, good minsh, maintenance free.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions				
Site Name:	Lima RA				
Date:	5/31/2018	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	E	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	-	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Instantaneous	-	pressure tariks. Fair: Storage is not adopted to meet existing or future peak instantaneous demand. Future storage requirement can be		
	Demand		Finit - storage is not adequate to meet existing or nature peak instantaneous demand. Future storage requirement can be catified through the addition of five or less additional pressure tank.		
			Poor: Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	a .: a		Excellent: New; no operation and maintenance concerns.		
	Operation &	-	Fair: Aged; minor operation and maintenance concerns.		
	waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	backnow rrevention	_	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community	-	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Good 11 to 15 vers remaining		
		-	Solution to be years remaining.		
			Poor: 0 to years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
	Treatment System		Excellent: On-site advanced system.		
		-	Good: On-site septic drainfield, dosed with a pump.		
			Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
	Wastewater Design		Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
		F	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &		Excellent: No operation and maintenance concerns.		
	Maintenance	G	Good: Minor operation and maintenance concerns or level II treatment system.		
			Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Drainineo area to available area ratio is less than 5.		
	Site Constraints	E	Cool. Drainieu area to available area ratio is between 5 and 10.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service	_	Good: 11 to 15 years remaining.		
	Life	G	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	F	Good: 5 to 9 amenities		
Amenities		E	Fair: 1 to 4 amenities		
			Poor: No amenities		

Site Scoring & Scoring Definitions				
Site Name:	Livingston PA			
Date:	10/27/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention	
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	G	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	G	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
C'h -	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site	Sidewalks	G	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	F	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	Р	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

Site Scoring & Scoring Definitions				
Site Name:	Locate PA			
Date:	10/25/2017	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	Р	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
<u>Cita</u>	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site	Sidewalks	F	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	F	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

	Site Scoring & Scoring Definitions			
Site Name:	Lost Trail Pass RA			
Date:	5/30/2018	Inspector:	J. Potts	
Element	1	Site Rating	Definition	
	Passonger Vehicle		Excellent: Meets future 2036 demand (and current demand).	
	Parking Stalls	E	Fair: Meets S5 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	-	Good: Meets current 2016 demand.	
	Truck Parking Stalls	Ē	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
Darking 9			Fair: Some ponding and flat areas.	
Parking & Pavement			Poor: Ponding or large areas of water retention.	
. avenent			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".	
	Pavement Condition	F	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	G	Good: Functional, adequate coverage.	
	Quality	, i	Fair: Functional, some deterioration.	
			Poor: Non-functional and deteriorated.	
	Demoising Complex		Excellent: 16 to 20 years remaining.	
	Remaining Service	Р	Good: 11 to 15 years remaining.	
	Life		Poor: 0 to 5 years remaining	
		-	Excellent: IFD lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
			Good: High pressure sodium lighting provided for all 4 areas.	
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive.	
			Excellent: New picnic facilities, excellent condition.	
	Picnic Areas	G	Good - initiational, wei-maintanited, cleaning required	
			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site			Excellent: New sidewalks, no deterioration.	
			Good: Adequate connectivity, minimal deterioration.	
	Sidewalks	G	Fair: Adequate connectivity, some deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas.	
			Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	Exterior Waste		Good Sood songerance recentacies with lide	
	Receptacles	G	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation		Excellent: No odor problem	
	Facility ventilation		Poor: Continuous odor problem	
			Excellent: New flooring, excellent condition.	
	Floor Condition	G	Good: No cracks or separation, level.	
			Fair: Some wear and minor imperfections.	
			Poul. Deteriorated and Unattractive.	
			Good' Good illumination high efficiency LED fixtures	
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures	
			Poor: Unsafe illumination, antiguated fixtures. or no interior lighting provided	
			Excellent: New paint, excellent condition.	
	Paint		Good: Adequate coverage, no signs of chipping/pealing.	
	rdint	G	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	G	Good: 30 to 44 years remaining	
Structure	Life		Fair: 10 to 29 years remaining	
			Poor: U to 9 years remaining Evcolopt: New plumbing fivtures excellent condition	
	Restroom Plumbing		Good: Good fixture and nining appearance: no leave	
	Fixtures	G	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand).	
	Postroom Stalls	-	Good: Meets current 2016 demand.	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.	
			Fair: Watertight, some maintenance needed.	
			POUL Leaking and deteriorated. Excellent: New siding excellent condition	
		1	Good: Sound, weatherproof, tight, good finish, maintenance free	
	Siding	G	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Lost Trail Pass RA		
Date:	5/30/2018	Inspector:	J. Potts
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Instantaneous	E	pressure tarks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be
	Demand		rain. Storage is not adequate to meet existing on outpre peak instantaneous demand. Future storage requirement can be
	Jennana -		satisfied chilotogin the audition of the origes auditional pressure tails. Poor: Storage is not adquilate to meet existing or future head instantaneous demand. Future storage requirement cannot be
			satisfied with five class additional pressure tanks
Water			Excellent: New; no operation and maintenance concerns.
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
		-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	(Transient Non-	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Monitoring	0	disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
	,		Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		Р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: U to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: On-site advanced system.
	Treatment System	G	Solu. On-site septic drainfield, gradity extem
			Poor Other
			Fool. Other.
	Wastewater Design	E	Good: 2056 projected design flow acceed the stimated existing wastewater system design flow.
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
	a .: a		Excellent: No operation and maintenance concerns.
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.
	Wantenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	F	Good: Drainfield area to available area ratio is between 5 and 10.
	Site constraints	-	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	Р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: U to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fdil. 1 LO 4 dilletilles
			FOUL NU differities

Site Scoring & Scoring Definitions				
Site Name:	Lyon's Creek North PA			
Date:	4/27/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas.	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
	Exterior Lighting	Р	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site	Sidewalks	F	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

Site Scoring & Scoring Definitions				
Site Name:	Lyon's Creek South PA			
Date:	4/27/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas.	
	Pavement Condition	F	Good: Fonding of large areas of water recentori. Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
	Exterior Lighting	Р	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site	Sidewalks	F	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

Site Name:	Site Scoring & Scoring Definitions		
Date:	10/27/2017	Inspector:	J. Potts
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.
			Fair: Meets 85 percent of current 2016 demand.
			Pool. Weets less than as percent or current zons demand.
			Good: No opoling of fist zeas
	Drainage Condition	G	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	G	Good: Functional, adequate coverage.
	Quality	ů.	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	F	Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: U to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	G	Good: High pressure sodium lighting provided for all 4 areas.
			Fair: High pressure sodium lighting provided for 2-3 areas.
			Fool. No exterior igning.
	Landscaning/Lawn		Good: Plants (arcaping, plants) grass any e and rearry.
	Areas	G	Good - Faints/grass are alive a appear instance.
	Alcus		Poor Plants/grass are not alive
			Fixellent: New ninit facilities, excellent condition
			Good: Functional, well-maintained, clean,
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required,
			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Cidawalla		Good: Adequate connectivity, minimal deterioration.
	Sidewalks	F	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	G	Good: Directs traffic properly, indicates site areas.
		-	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	G	Good: Good appearance, receptacles with lids.
	Receptacies		Fair: Fair appearance, receptacles without lids.
			Foor Poor appearance, receptacies without lids, or no receptacies provided.
	Facility Ventilation	Р	Poor: Continues edge problem
		-	First New flooring excellent condition
			Good: No cracks or separation, level.
	Floor Condition	G	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior II 111	I .	Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	I '	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	G	Good: Adequate coverage, no signs of chipping/pealing.
		Ιĭ	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	G	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: 0 to 9 years remaining
	Destances Di Li		Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	G	Good: Good fixture and piping appearance; no leaks.
	rixtures		Fair, Functional, some maintenance required.
			Poor Leaking and damaged, or no prumping instures provided. Excellent: Meets future 2036 demand (and current damand)
			Good: Meets current 2016 demand
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
		- I	Good: Watertight , no signs of deterioration, maintenance free.
	Roofing	G	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding		Good: Sound, weatherproof, tight, good finish, maintenance free.
	siding	G	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions				
Site Name:	Mosby RA				
Date:	10/27/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	F	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Channess Canada III the star		Good: storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement and he solitified through the addition of the set loss additional		
	Storage Capability to		peak instalitatieous dentaria. Future storage requirement can be satisfied through the addition of nee of less additional		
	Instantaneous	F	pressure taillis. Fair: Stearage is not adquiate to most existing or future peak instantaneous domand. Future stearage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks		
			Poor: Storage is not adequate to meet existing a durine neak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	a .: a		Excellent: New; no operation and maintenance concerns.		
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.		
	waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	F	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	backnow rrevention	-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for colliform bacteria or nitrates.		
	Remaining Service Life		Cool: 11 to 15 vars remaining.		
		F	Solution by Galaxienaming.		
			Poor: Oto Sycars remaining		
-	Municipal System	NO	Excellent: Connected to a municipal system.		
	wunicipal system		Excellent: On-site advanced system.		
		_	Good: On-site septic drainfield, dosed with a pump.		
	Treatment System	G	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design	-	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &		Excellent: No operation and maintenance concerns.		
	Maintenance	Р	Good: Minor operation and maintenance concerns or level II treatment system.		
			Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Draining area to available area ratio is less than 5.		
	Site Constraints	Р	Solution Draining and a to available area ratio is between 5 and 10.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life		Good: 11 to 15 years remaining.		
		G	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amonities	Number of Ameritian	E	Good: 5 to 9 amenities		
Amenities	Number of Amenities		Fair: 1 to 4 amenities		
			Poor: No amenities		

Site Name:	Quartz Flats East RA		Site Scoring & Scoring Definitions
Date:	5/15/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Dessention		Excellent: Meets future 2036 demand (and current demand).
	Passenger Venicle Parking Stalls	E	Good: Meets Current 2016 demand. Fair: Meets 85 nercent of current 2016 demand
	i uning stans		Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.
	Truck Tarking Stans	•	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	F	Fair: Some ponding and flat areas
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	i arement contantion	, , , , , , , , , , , , , , , , , , ,	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Payament Strining		Excellent: New, excellent condition.
	Quality	F	Fair: Functional, some deterioration.
	 ,		Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life	-	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.
	Areas	, , , , , , , , , , , , , , , , , , ,	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.
			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
	Sidemano	, , , , , , , , , , , , , , , , , , ,	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	F	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	F	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	Р	Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition		Good: No cracks or separation, level.
	Floor condition	,	Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
	Interior Lighting	F	Solut. Good illumination, nigh emciency LED fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint		Good: Adequate coverage, no signs of chipping/pealing.
	Failt	· ·	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	Р	Good: 30 to 44 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	в	Good: Good fixture and piping appearance; no leaks.
	Fixtures	· ·	Fair: Functional, some maintenance required.
		_	Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Inlets future 2036 demand (and current demand). Good: Meets current 2016 demand
	Restroom Stalls	E	Fair: Meets S5 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
		· ·	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Good: Sound weatherproof tight good finish maintenance free
	Siding	F	Fair: Sound, weatherproof, some wear and tear.
		L	Poor: Deteriorated, leaking, significant air infiltration.

			Site Scoring & Scoring Definitions
Site Name:	Quartz Flats East RA		
Date:	5/15/2018	Inspector:	C. DeVerniero
Element	•	Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
	Channess Canada III the star		Good: storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement and he satisfied through the addition of fine as loss additional
	Storage Capability to		peak instalitatieous dentaria. Putore storage requirement can be satisfied through the addition of nee of less additional
	Instantaneous	E	pressure taillist. Fair: Stearage taillist.
	Demand		satisfied through the addition of five or less additional pressure tanks
			Post Storage is not adequate to meet existing or future neak instantaneous demand. Future storage requirement cannot be
			satisfied with five or less additional pressure tanks.
Water	a .: a		Excellent: New; no operation and maintenance concerns.
	Operation &	F	Fair: Aged; minor operation and maintenance concerns.
	Waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	F	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	butterention	-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	community	F	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Monitoring		disintection based on well construction details or treatment and/or disintection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for conform bacteria or nitrates.
	Remaining Service Life		Good: 11 to 15 years remaining
		G	Eair: 6 to 10 years remaining
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
	• •		Excellent: On-site advanced system.
	Treatment System	-	Good: On-site septic drainfield, dosed with a pump.
		F	Fair: On-site septic drainfield, gravity system.
			Poor: Other.
	Wastewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastewater	Operation &	6	Excellent: No operation and maintenance concerns.
	Maintenance	G	Good: Willing operation and maintenance concerns or level it treatment system.
			Fool. Duringle dreation and maintenance concerns, indications or system failure.
			Good: Drainfield area to available area ratio is between 5 and 10
	Site Constraints	F	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service		Good: 11 to 15 years remaining.
	Life	Р	Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fair: 1 to 4 amenities
			Poor: No amenities

Site Name:	Quartz Flats West RA		Site Scoring & Scoring Definitions
Date:	5/15/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
			Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle	E	Good: Meets current 2016 demand.
	Parking Stalls	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.
			Poor: Mosts los than 95 percent of current 2016 domand
		-	Excellent: New parking area no ponding or flat areas
			Good: No onoling or fist areas
	Drainage Condition	F	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Payament Condition		Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	ravement condition	· ·	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	F	Good: Functional, adequate coverage.
	Quality		Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
	Demoising Complex		Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Poor: Oto Supers remaining.
			Excellent: LFD lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways)
			Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	6	Good: Plants/grass are alive & appear healthy.
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	6	Good: Functional, well-maintained, clean.
	r lane / a cas	, i	Fair: Functional, some maintenance/cleaning required.
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.
			Excellent: New sidewalks, no deterioration.
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.
			Poor Discottinuous deteriorated
			Fool: Discontinuous, deteriorated.
			Good: Directs traffic properly. indicates site areas.
	Site Signage	F	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	6	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	Р	Excellent: No odor problem
			Poor: Continuous odor problem
			Good: No cracks or constration level
	Floor Condition	F	Fair: Some wear and minor imperfections
			Poor: Deteriorated and unattractive.
			Excellent: New LED interior lighting, excellent condition.
		I .	Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	F F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint		Good: Adequate coverage, no signs of chipping/pealing.
	, ann	1	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	Р	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: U to 9 years remaining Excellent: New plumbing fixtures, excellent condition
	Postroom Diumbia	1	Good: Good fixture and nining appearance: no loaks
	Fixtures	Р	Eair: Functional some maintenance required
	. 1.1.1.1.5	1	Poor: Leaking and damaged, or no plumbing fixtures provided
		-	Excellent: Meets future 2036 demand (and current demand).
			Good: Meets current 2016 demand.
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing		Good: Watertight , no signs of deterioration, maintenance free.
		'	Fair: Watertight, some maintenance needed.
			Poor: Leaking and deteriorated.
			Excellent: New siding, excellent condition.
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.
		l .	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.
			Site Scoring & Scoring Definitions
------------	-----------------------------------	-------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
Site Name:	Quartz Flats West RA		
Date:	5/15/2018	Inspector:	C. DeVerniero
Element	•	Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Meet Peak	E	pressure tanks.
	Domand		Fair: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be
	Demanu		satisfied through the addition of hive or less additional pressure tarks.
			Poor, storage is not adequate to meet existing on ruture peak instantaneous demand. Future storage requirement cannot be catified with fine or loss additional presente tanks.
Wator			Excellent New operation and maintenance concerns
water	Operation &	F	Eater Aged minor operation and maintenance concerns
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure.
			Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality (Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
		F	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	community		disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: On-site advanced system.
	Treatment System	F	Good: On-site septic drainfield, dosed with a pump.
			Fair: Un-site septic drainfield, gravity system.
			Poor: Utner.
	Westewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow
			From projected design not exercise exercise exercise system design not
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	City Country into	-	Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	F	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	Р	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fair: 1 to 4 amenities
			Poor: No amenities

	Site Scoring & Scoring Definitions			
Site Name:	Raynolds Pass RA			
Date:	4/24/2018	Inspector:	C. DeVerniero	
Element	1	Site Rating	Definition Excellent: Meets future 2026 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	E	Good: Meets current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	F	Good: No ponding or flat areas.	
	brainage condition		Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
ravement			Good: Smooth surface minor/bairline cracking few interconnecting cracks rutting denths < 1"	
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	G	Good: Functional, adequate coverage.	
	Quality		Fair: Functional, some deterioration. Poor: Non-functional and deteriorated	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	- E	Good: 11 to 15 years remaining.	
	Life		Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			POOT: Plants/grass are not alive.	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	E	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	E	Good: Adequate connectivity, minimal deterioration.	
			Poor: Discontinuous, deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	E	Good: Directs traffic properly, indicates site areas.	
		-	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	Exterior Waste		Good: Good appearance, receptacles with lids.	
	Receptacles	E	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	E	Excellent: No odor problem	
			POOT: Continuous odor problem Excellent: New flooring, excellent condition	
			Good: No cracks or senaration. level.	
	Floor Condition	E	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	E	Good: Good illumination, high efficiency LED fixtures.	
			Fair: Sumclent inumination, older nigh pressure sodium fixtures.	
			Excellent: New paint, excellent condition.	
	Delint		Good: Adequate coverage, no signs of chipping/pealing.	
	Paint	- ⁶	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
	Domaining Convice		Excellent: 45 to 50 years remaining	
	Life	E	Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	E	Good: Good fixture and piping appearance; no leaks.	
	Fixtures		Fair: Functional, some maintenance required.	
			Poor. Leaking and damaged, or no plumping incures provided. Excellent: Meets future 2036 demand (and current demand).	
		_	Good: Meets current 2016 demand.	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	E	ooou, waterught, no signs of deterioration, maintenance free. Fair: Watertight, some maintenance needed	
			Poor: Leaking and deteriorated.	
			Excellent: New siding, excellent condition.	
	Siding	E	Good: Sound, weatherproof, tight, good finish, maintenance free.	
		l `	Fair: Sound, weatherproof, some wear and tear.	
			Poor: Deteriorated, leaking, significant air infiltration.	

			Site Scoring & Scoring Definitions
Site Name:	Raynolds Pass RA		
Date:	4/24/2018	Inspector:	C. DeVerniero
Element		Site Rating	Definition
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet
	Meet Peak Daily	E	calculated future peak daily demand.
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional
	Meet Peak	F	pressure tanks.
	Demand		Fair: Storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be
	Demana		Boor: Stearage is not adjuste to most avieting or future pack instantaneous demand. Future stearage requirement capped be
			Fool. Stollage is not adequate to meet existing on other peak instantaneous demand. Foture storage requirement cannot be satisfied with five or less additional preserve tanks.
Water			Excellent: New: on operation and maintenance concerns.
water	Operation &	Е	Fair: Aged: minor operation and maintenance concerns.
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.
		_	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.
	(Transient Non-	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires
	Community		disinfection based on well construction details or treatment and/or disinfection is currently provided.
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
	Remaining Service Life		Excellent: 16 to 20 years remaining.
		E	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
	Municipal System	NO	Excellent: Connected to a municipal system.
			Excellent: On-site advanced system.
	Treatment System	E	Good: Un-site septic drainfield, dosed with a pump.
			Fair: Of-site septic drainied, gravity system.
			Poor: Uniter.
	Wastowator Dosign	Р	Excelent: Crutice estimated design how are less than the estimated estimated estimated estimated in the structure of the stru
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
			Excellent: No operation and maintenance concerns.
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.
			Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	-	Good: Drainfield area to available area ratio is between 5 and 10.
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.
			Poor: Drainfield area to available area ratio is greater than 15.
			Excellent: 16 to 20 years remaining.
	Remaining Service Life	F	Good: 11 to 15 years remaining.
			Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: 10 or more amenities
Amenities	Number of Amenities	E	Good: 5 to 9 amenities
			Fair: 1 to 4 amenities
			Poor: No amenities

Site Scoring & Scoring Definitions				
Site Name:	Red Rocks North PA			
Date:	5/31/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
Site	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
	Sidewalks	Р	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.	

Site Scoring & Scoring Definitions			
Site Name:	Red Rocks South PA		
Date:	5/31/2018	Inspector:	J. Potts
Element		Site Rating	Definition
Pavement	Drainage Condition	G	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention.
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.
	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site	Sidewalks	Р	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.

Site Name:	Roberts RA		Site Scoring & Scoring Definitions
Date:	3/9/2018	Inspector:	Roberts Project Team
Element	ī	Site Rating	Definition
	Deserve and Vehicle		Excellent: Meets future 2036 demand (and current demand).
	Passenger Venicle Parking Stalls	E	GOOD: Meets Current 2016 demand. Fair: Meets 85 nercent of current 2016 demand
	i uning stans		Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	F	Good: Meets current 2016 demand.
	Truck Farking Stans	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	F	Fair: Some ponding and flat areas.
Parking &			Poor: Ponding or large areas of water retention.
Pavement			Excellent: New pavement, no cracking or rutting.
	Pavement Condition	6	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	i urement conunion	, i	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
	Payament Strining		Excellent: New, excellent condition.
	Quality	F	Fair: Functional, some deterioration.
	 ,		Poor: Non-functional and deteriorated.
			Excellent: 16 to 20 years remaining.
	Remaining Service	Р	Good: 11 to 15 years remaining.
	Life		Fair: 6 to 10 years remaining.
			Poor: 0 to 5 years remaining.
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.
	Areas		Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Excellent: New picnic facilities, excellent condition.
	Picnic Areas	F	Fair: Functional, some maintenance/cleaning required.
			Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.
	Sidewalks	· ·	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	G	Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
			Excellent: New receptacles, excellent appearance.
	Exterior Waste	F	Good: Good appearance, receptacles with lids.
	Receptacles		Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation	Р	Poor: Continuous odor problem
		<u> </u>	Excellent: New flooring, excellent condition.
	Elear Condition		Good: No cracks or separation, level.
	FIGUR COndition	· ·	Fair: Some wear and minor imperfections.
		L	Poor: Deteriorated and unattractive.
		1	Excellent: New LED Interior lighting, excellent condition.
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
			Excellent: New paint, excellent condition.
	Paint	F	Good: Adequate coverage, no signs of chipping/pealing.
		I .	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
	Pompining Sorvico		Excellent: 45 to 50 years remaining
	Life	Р	Fair: 10 to 29 years remaining
Structure			Poor: 0 to 9 years remaining
			Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	F	Good: Good fixture and piping appearance; no leaks.
	Fixtures	I .	Fair: Functional, some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets luttre 2036 demand (and current demand).
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	F	Good: Watertight , no signs of deterioration, maintenance free.
		l '	Fair: Watertight, some maintenance needed.
		L	Poor: Leaking and deteriorated.
		1	Good: Sound weathernroof tight good finish maintenance free
	Siding	F	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions			
Site Name:	Roberts RA			
Date:	3/9/2018	Inspector:	Roberts Project Team	
Element	•	Site Rating	Definition	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.	
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet	
	Meet Peak Daily	Р	calculated future peak daily demand.	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.	
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.	
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.	
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future	
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional	
	Meet Peak	F	pressure tanks.	
	Domand		Fair: Storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be	
	Demanu		satisfied through the addition of nive or less additional pressure tanks.	
			Pool. Storage is not adequate to meet existing or nuture peak instantaneous demand. Future storage requirement cannot be satisfied with five or loss additional preserve taple.	
Wator			Storage on operation and maintenance concerns	
water	Operation &	F	Eater Aged minor operation and maintenance concerns	
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.	
			Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.	
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.	
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not	
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	(Transient Non-	G	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	community		disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.	
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.	
	Remaining Service Life		Excellent: 16 to 20 years remaining.	
		Р	Good: 11 to 15 years remaining.	
		r	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
	Municipal System	NO	Excellent: Connected to a municipal system.	
			Excellent: On-site advanced system.	
	Treatment System	F	Good: On-site septic drainfield, dosed with a pump.	
			Fair: On-site septic drainfield, gravity system.	
			Poor: Utner.	
	Westewater Design	F	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.	
	Flow		Good. 2006 projected design how exceed the estimated existing wastwater system design how.	
	1104		Poor 2016 projected design flow exceed the estimated existing wastewater system design flow	
			For some projected design of energy of the estimation water over system design notification of the system design notification and maintenance concerns.	
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.	
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.	
			Excellent: Drainfield area to available area ratio is less than 5.	
	City Country into		Good: Drainfield area to available area ratio is between 5 and 10.	
	Site Constraints	Р	Fair: Drainfield area to available area ratio is between 10 and 15.	
			Poor: Drainfield area to available area ratio is greater than 15.	
			Excellent: 16 to 20 years remaining.	
	Remaining Service Life	Р	Good: 11 to 15 years remaining.	
			Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: 10 or more amenities	
Amenities	Number of Amenities	F	Good: 5 to 9 amenities	
			Fair: 1 to 4 amenities	
			Poor: No amenities	

Site Scoring & Scoring Definitions				
Site Name:	Rock Creek East PA			
Date:	6/1/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	Р	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
Site	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure	

Site Scoring & Scoring Definitions				
Site Name:	Rock Creek West PA			
Date:	6/1/2018	Inspector:	J. Potts	
Element		Site Rating	Definition	
Pavement	Drainage Condition	F	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention	
	Pavement Condition	F	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
	Pavement Striping Quality	F	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.	
	Exterior Lighting	F	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.	
	Landscaping/Lawn Areas	F	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.	
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.	
Site	Sidewalks	F	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.	
	Exterior Waste Receptacles	G	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.	
Vaulted Toilet	Operation & Maintenance	F	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure	

	Site Scoring & Scoring Definitions			
Site Name:	Sweet Grass RA			
Date:	5/17/2018	Inspector:	C. DeVerniero	
Element		Site Rating	Definition Eventeent: Moste future 2026 demand (and current demand)	
	Passenger Vehicle		Good: Meets current 2016 demand.	
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: Meets future 2036 demand (and current demand).	
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.	
			Poor: Meets as percent of current 2016 demand.	
			Excellent: New parking area, no ponding or flat areas.	
	Drainage Condition	G	Good: No ponding or flat areas.	
	brainage condition	, C	Fair: Some ponding and flat areas.	
Parking &			Poor: Ponding or large areas of water retention.	
Favement			Good: Smooth surface, minor/hairling, few interconnecting cracks, rutting denths < 1"	
	Pavement Condition	F	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".	
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".	
			Excellent: New, excellent condition.	
	Pavement Striping	F	Good: Functional, adequate coverage.	
	Quality		Fair: Functional, some deterioration. Poor: Non-functional and deteriorated	
			Excellent: 16 to 20 years remaining.	
	Remaining Service	_	Good: 11 to 15 years remaining.	
	Life	· ·	Fair: 6 to 10 years remaining.	
			Poor: 0 to 5 years remaining.	
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	Exterior Lighting	G	Fair: High pressure sodium lighting provided for 2-3 areas.	
			Poor: No exterior lighting.	
			Excellent: New landscaping, plants/grass alive and healthy.	
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.	
	Areas		Fair: Plants/grass are alive but do not appear healthy.	
			Poor: Plants/grass are not alive. Excellent: New picnic facilities, excellent condition	
			Good: Functional, well-maintained, clean.	
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.	
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.	
			Excellent: New sidewalks, no deterioration.	
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.	
			Poor: Discontinuous. deteriorated.	
			Excellent: New signage, excellent condition.	
	Site Signage	G	Good: Directs traffic properly, indicates site areas.	
	Site Signage	, i i i i i i i i i i i i i i i i i i i	Fair: Necessities are signed, fair appearance.	
			Poor: Missing signage or unreadable.	
	Exterior Waste		Good: Good appearance, recentacles with lids	
	Receptacles	G	Fair: Fair appearance, receptacles without lids.	
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.	
	Facility Ventilation	Е	Excellent: No odor problem	
			Poor: Continuous odor problem	
			Excellent: New hooring, excellent condition.	
	Floor Condition	G	Fair: Some wear and minor imperfections.	
			Poor: Deteriorated and unattractive.	
			Excellent: New LED interior lighting, excellent condition.	
	Interior Lighting	F	Good: Good illumination, high efficiency LED fixtures.	
			Fair: Sufficient illumination, older nign pressure sodium fixtures.	
			Excellent: New paint, excellent condition.	
			Good: Adequate coverage, no signs of chipping/pealing.	
	Paint	G	Fair: Some maintenance required for isolated areas.	
			Poor: Entire repaint needed.	
			Excellent: 45 to 50 years remaining	
	Remaining Service	G	Good: 30 to 44 years remaining Fair: 10 to 29 years remaining	
Structure			Poor: 0 to 9 years remaining	
			Excellent: New plumbing fixtures, excellent condition.	
	Restroom Plumbing	F	Good: Good fixture and piping appearance; no leaks.	
	Fixtures	-	Fair: Functional, some maintenance required.	
			Poor: Leaking and damaged, or no plumbing fixtures provided.	
			Excellent: Meets future 2036 demand (and current demand). Good: Meets current 2016 demand	
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New roofing, excellent condition.	
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.	
			ran, waterlight, some maintenance needed. Poor: Leaking and deteriorated	
			Excellent: New siding, excellent condition.	
	Siding		Good: Sound, weatherproof, tight, good finish, maintenance free.	
	Siding	G	Fair: Sound, weatherproof, some wear and tear.	
		1	Poor: Deteriorated, leaking, significant air infiltration.	

	Site Scoring & Scoring Definitions				
Site Name:	Sweet Grass RA				
Date:	5/17/2018	Inspector:	C. DeVerniero		
Element	•	Site Rating	Definition		
	Municipal System	E	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	-	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Channess Canadallitation		Good: Storage is adequate to meet calculated existing peak instantianeous demand but not adequate to meet calculated future analytic trattaneous demand. Citium charge convincement can be existinged through the addition of the or loss additional		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Instantaneous	-	pressure tarks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks		
			Poor: Storage is not adequate to meet existing a durine neak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water	a .: a		Excellent: New; no operation and maintenance concerns.		
	Operation &	-	Fair: Aged; minor operation and maintenance concerns.		
	waintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
	backnow rrevention	_	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
	community	-	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for collform bacteria or nitrates.		
	Remaining Service Life		Good: 11 to 15 years remaining		
		-	Fair 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
-	Municipal System	E	Excellent: Connected to a municipal system.		
	Treatment System	-	Excellent: On-site advanced system.		
			Good: On-site septic drainfield, dosed with a pump.		
		-	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
			Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Wastewater Design	-	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &		Excellent: No operation and maintenance concerns.		
	Maintenance	-	Good: Minor operation and maintenance concerns or level II treatment system.		
			Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Draining area to available area ratio is less than 5.		
	Site Constraints	-	Good. Drainingtul area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service Life		Good: 11 to 15 years remaining.		
		-	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
. incinues			Fair: 1 to 4 amenities		
			Poor: No amenities		

			Site Scoring & Scoring Definitions
Site Name:	Teton River North RA		
Date:	5/18/2018	Inspector:	C. DeVerniero
Element	-	Site Rating	Definition
	Passonger Vehicle		Excellent: Meets future 2036 demand (and current demand).
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	-	Good: Meets current 2016 demand.
	Truck Parking Stalls	Ē	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	G	Good: No ponding or flat areas.
Darking 9			Fair: Some ponding and flat areas.
Parking & Pavement			Pool. Ponding of ange aleas of water retention.
. avenent			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
			Excellent: New, excellent condition.
	Pavement Striping	F	Good: Functional, adequate coverage.
	Quality	· ·	Fair: Functional, some deterioration.
			Poor: Non-functional and deteriorated.
	Demoising Complex		Excellent: 16 to 20 years remaining.
	Remaining Service	E	Good: 11 to 15 years remaining.
	Life		Poor: 0 to 5 years remaining
		-	Excellent: IFD lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
			Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.
			Poor: No exterior lighting.
			Excellent: New landscaping, plants/grass alive and healthy.
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.
	Areas		Fair: Plants/grass are alive but do not appear healthy.
			Poor: Plants/grass are not alive.
			Good Supplication well provide a close
	Picnic Areas	G	Good - initiational, wei-maintanited, cleaning required
			Poor: Non-functional, poor appearance, or no incinci facilities provided.
Site			Excellent: New sidewalks, no deterioration.
	Cidamalla		Good: Adequate connectivity, minimal deterioration.
	Sidewalks	G	Fair: Adequate connectivity, some deterioration.
			Poor: Discontinuous, deteriorated.
			Excellent: New signage, excellent condition.
	Site Signage	G	Good: Directs traffic properly, indicates site areas.
			Fair: Necessities are signed, fair appearance.
			Poor: Missing signage or unreadable.
	Exterior Waste		Good Sood songerance recentacies with lide
	Receptacles	G	Fair: Fair appearance, receptacles without lids.
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.
	Facility Ventilation		Excellent: No odor problem
	active ventilation		Poor: Continuous odor problem
			Excellent: New flooring, excellent condition.
	Floor Condition	G	Good: No cracks or separation, level.
			Fair: Some wear and minor imperfections.
			Poor: Deteriorated and unattractive.
			Good: Good illumination high efficiency LED fiveures
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.
			Poor: Unsafe illumination, antiguated fixtures. or no interior lighting provided
			Excellent: New paint, excellent condition.
	Paint		Good: Adequate coverage, no signs of chipping/pealing.
	rdint	L -	Fair: Some maintenance required for isolated areas.
			Poor: Entire repaint needed.
			Excellent: 45 to 50 years remaining
	Remaining Service	G	Good: 30 to 44 years remaining
Structure	Life		Fair: 10 to 29 years remaining
			Poor: U to 9 years remaining Evcellent: New plumbing fivtures excellent condition
	Restroom Plumbing		Good: Good fixture and nining appearance: no leaks
	Fixtures	G	Fair: Functional some maintenance required.
			Poor: Leaking and damaged, or no plumbing fixtures provided.
			Excellent: Meets future 2036 demand (and current demand).
	Postroom Stalls	-	Good: Meets current 2016 demand.
	Restroom stalls	-	Fair: Meets 85 percent of current 2016 demand.
			Poor: Meets less than 85 percent of current 2016 demand.
			Excellent: New roofing, excellent condition.
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.
			ran, waterlight, some maintenance needed.
			Fycellent: New siding excellent condition
			Good: Sound, weatherproof, tight, good finish. maintenance free.
	Siding	G	Fair: Sound, weatherproof, some wear and tear.
			Poor: Deteriorated, leaking, significant air infiltration.

	Site Scoring & Scoring Definitions				
Site Name:	Teton River North RA				
Date:	5/18/2018	Inspector: C. DeVerniero			
Element	•	Site Rating	Definition		
	Municipal System	E	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	-	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Channess Canadallitation		Good: Storage is adequate to meet calculated existing peak instantianeous demand but not adequate to meet calculated future analytic trattaneous demand. Citium charge requirement can be existinged through the addition of the peaks additional		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Instantaneous	-	pressure tarks. Fair: Storage is not advante to meet existing or future neak instantaneous demand. Future storage requirement can be		
	Demand		satisfied through the addition of five or less additional pressure tanks		
			Poor: Storage is not adequate to meet existing a durine neak instantaneous demand. Future storage requirement cannot be		
			satisfied with five or less additional pressure tanks.		
Water			Excellent: New; no operation and maintenance concerns.		
	Operation &	-	Fair: Aged; minor operation and maintenance concerns.		
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.		
		-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	(Transient Non-		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
			Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.		
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		-	Good: 11 to 15 years remaining.		
			Fair: 6 to 10 years remaining.		
	Municipal System	NO	Fool: 0 (0.5 years ternaming: Evraliant: Connected to a municipal system		
	Treatment System	NU	Excellent: On-site advanced system		
			Good: On-site sentic drainfield, dosed with a pump.		
		G	Fair: On-site septic drainfield, gravity system.		
			Poor: Other.		
	Wastewater Design	E	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
			Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.		
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.		
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation &		Excellent: No operation and maintenance concerns.		
	Maintenance	Р	Good: Minor operation and maintenance concerns or level II treatment system.		
			Poor: Multiple operation and maintenance concerns; indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	Site Constraints	E	G000: Drainfield area to available area ratio is between 5 and 10.		
			Fair: Drainfield area to available area ratio is between 10 and 15.		
			Fool: Draimetor act to available area ratio is greater than 15.		
	Remaining Service		Good: 11 to 15 uars remaining		
	Kemaining Service Life	G	Fair: 6 to 10 years remaining		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
			Good: 5 to 9 amenities		
Amenities	Number of Amenities	5 E	Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions				
Site Name:	Teton River South RA				
Date:	5/18/2018	Inspector:	C. DeVerniero		
Element	-	Site Rating	Definition		
	Passonger Vehicle		Excellent: Meets future 2036 demand (and current demand).		
	Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: Meets future 2036 demand (and current demand).		
	Truck Parking Stalls	-	Good: Meets current 2016 demand.		
	Truck Parking Stalls	Ē	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New parking area, no ponding or flat areas.		
	Drainage Condition	G	Good: No ponding or flat areas.		
Darking 9			Fair: Some ponding and flat areas.		
Parking & Pavement			Pool. Ponding of ange aleas of water retention.		
. avenent			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".		
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".		
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
			Excellent: New, excellent condition.		
	Pavement Striping	F	Good: Functional, adequate coverage.		
	Quality	· ·	Fair: Functional, some deterioration.		
			Poor: Non-functional and deteriorated.		
	Demoising Complex		Excellent: 16 to 20 years remaining.		
	Remaining Service	E	Good: 11 to 15 years remaining.		
	Life		Poor: 0 to 5 years remaining		
		-	Excellent: IFD lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).		
			Good: High pressure sodium lighting provided for all 4 areas.		
	Exterior Lighting	E	Fair: High pressure sodium lighting provided for 2-3 areas.		
			Poor: No exterior lighting.		
			Excellent: New landscaping, plants/grass alive and healthy.		
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.		
	Areas		Fair: Plants/grass are alive but do not appear healthy.		
			Poor: Plants/grass are not alive.		
			Excellent: New picnic facilities, excellent condition.		
	Picnic Areas	G	Good - initiational, wei-maintanited, cleaning required		
			Poor: Non-functional, poor appearance, or no picnic facilities provided.		
Site			Excellent: New sidewalks, no deterioration.		
	Cidamalla		Good: Adequate connectivity, minimal deterioration.		
	Sidewalks	G	Fair: Adequate connectivity, some deterioration.		
			Poor: Discontinuous, deteriorated.		
			Excellent: New signage, excellent condition.		
	Site Signage	G	Good: Directs traffic properly, indicates site areas.		
			Fair: Necessities are signed, fair appearance.		
			Poor: Missing signage or unreadable.		
	Exterior Waste		Good Sood songerance recentacies with lide		
	Receptacles	E	Fair: Fair appearance, receptacles without lids.		
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
	Facility Ventilation		Excellent: No odor problem		
	Facility ventilation	Ē	Poor: Continuous odor problem		
			Excellent: New flooring, excellent condition.		
	Floor Condition	G	Good: No cracks or separation, level.		
			Fair: Some wear and minor imperfections.		
			Poor: Deteriorated and unattractive.		
			Good' Good illumination high efficiency LED fixtures		
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.		
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.		
			Excellent: New paint, excellent condition.		
	Paint		Good: Adequate coverage, no signs of chipping/pealing.		
	rdint	L -	Fair: Some maintenance required for isolated areas.		
			Poor: Entire repaint needed.		
			Excellent: 45 to 50 years remaining		
	Remaining Service	G	Good: 30 to 44 years remaining		
Structure	Life		Fair: 10 to 29 years remaining		
		-	Pool. 0 to 9 years remaining Excellent: New nlumbing fixtures, excellent condition		
	Restroom Plumbing		Good: Good fixture and nining appearance: no leaks		
	Fixtures	G	Fair: Functional, some maintenance required.		
			Poor: Leaking and damaged, or no plumbing fixtures provided.		
			Excellent: Meets future 2036 demand (and current demand).		
	Postroom Stalls	-	Good: Meets current 2016 demand.		
	Restroom Stans	Ē	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New roofing, excellent condition.		
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.		
			ran, waterlight, some maintenance needed.		
			Fycellent: New siding excellent condition		
			Good: Sound, weatherproof, tight, good finish. maintenance free.		
	Siding	G	Fair: Sound, weatherproof, some wear and tear.		
			Poor: Deteriorated, leaking, significant air infiltration.		

	Site Scoring & Scoring Definitions				
Site Name:	Teton River South RA				
Date:	5/18/2018	Inspector: C. DeVerniero			
Element		Site Rating	Definition		
	Municipal System	E	Excellent: Connected to a municipal system.		
	Source Capability to Meet Peak Daily Demand	-	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand. Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand. Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand. Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
	Storage Capability to Meet Peak Instantaneous Demand	-	 Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks. Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks. 		
Water	Operation & Maintenance	-	Excellent: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Backflow Prevention	-	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same. Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
	Source Quality (Transient Non- community Monitoring Regulations)	-	 Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided. Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided. Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years. Poor: Recurring history of water quality violations for coliform bacteria or nitrates. 		
	Remaining Service Life	-	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
	Treatment System	G	Excellent: On-site advanced system. Good: On-site septic drainfield, dosed with a pump. Fair: On-site septic drainfield, gravity system. Poor: Other.		
	Wastewater Design Flow	E	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow. Good: 2056 projected design flow exceed the estimated existing wastewater system design flow. Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow. Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.		
Wastewater	Operation & Maintenance	Ρ	Excellent: No operation and maintenance concerns. Good: Minor operation and maintenance concerns or level II treatment system. Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Site Constraints	E	Excellent: Drainfield area to available area ratio is less than 5. Good: Drainfield area to available area ratio is between 5 and 10. Fair: Drainfield area to available area ratio is between 10 and 15. Poor: Drainfield area to available area ratio is greater than 15.		
	Remaining Service Life	G	Excellent: 16 to 20 years remaining. Good: 11 to 15 years remaining. Fair: 6 to 10 years remaining. Poor: 0 to 5 years remaining.		
Amenities	Number of Amenities	E	Excellent: 10 or more amenities Good: 5 to 9 amenities Fair: 1 to 4 amenities Poor: No amenities		

	Site Scoring & Scoring Definitions				
Site Name:					
Date:	5/16/2018	Inspector:	C. DeVerniero		
Element	1	Site Rating	Definition		
	Passanger Vehicle		Excellent: Meets future 2036 demand (and current demand).		
	Parking Stalls	E	Fair: Meets S5 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: Meets future 2036 demand (and current demand).		
	Truck Parking Stalls		Good: Meets current 2016 demand.		
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New parking area, no ponding or flat areas.		
	Drainage Condition	G	Good: No ponding or flat areas.		
Darking 9			Fair: Some ponding and flat areas.		
Parking & Pavement			Poor: Ponding or large areas of water retention.		
. avenent			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".		
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".		
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
			Excellent: New, excellent condition.		
	Pavement Striping	G	Good: Functional, adequate coverage.		
	Quality	, C	Fair: Functional, some deterioration.		
			Poor: Non-functional and deteriorated.		
	Demoising Complex		Excellent: 16 to 20 years remaining.		
	Remaining Service	Р	Good: 11 to 15 years remaining.		
	Life		Poor: 0 to 5 years remaining		
			Excellent: IFD lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).		
			Good: High pressure sodium lighting provided for all 4 areas.		
	Exterior Lighting	F	Fair: High pressure sodium lighting provided for 2-3 areas.		
			Poor: No exterior lighting.		
			Excellent: New landscaping, plants/grass alive and healthy.		
	Landscaping/Lawn	G	Good: Plants/grass are alive & appear healthy.		
	Areas	_	Fair: Plants/grass are alive but do not appear healthy.		
			Poor: Plants/grass are not alive.		
			Good Supplication well provide a close		
	Picnic Areas	G	Good - included, wei-mentanica, clean		
			Poor: Non-functional, poor appearance, or no picinic facilities provided.		
Site			Excellent: New sidewalks, no deterioration.		
	Cidamalla		Good: Adequate connectivity, minimal deterioration.		
	Sidewalks	G	Fair: Adequate connectivity, some deterioration.		
			Poor: Discontinuous, deteriorated.		
			Excellent: New signage, excellent condition.		
	Site Signage	Р	Good: Directs traffic properly, indicates site areas.		
			Fair: Necessities are signed, fair appearance.		
			Poor: Missing signage or unreadable.		
	Exterior Waste		Good Sood songerance recentacies with lide		
	Receptacles	G	Fair: Fair appearance, receptacles without lids.		
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
	Facility Ventilation	P	Excellent: No odor problem		
	Facility ventilation	P	Poor: Continuous odor problem		
			Excellent: New flooring, excellent condition.		
	Floor Condition	F	Good: No cracks or separation, level.		
			Fair: Some wear and minor imperfections.		
			Poul. Deteriorated and Unattractive.		
			Excellent: New LED Interior lighting, excellent condition.		
	Interior Lighting	F	Fair: Sufficient illumination, older high pressure sodium fixtures.		
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.		
		1	Excellent: New paint, excellent condition.		
	Paint		Good: Adequate coverage, no signs of chipping/pealing.		
	raint		Fair: Some maintenance required for isolated areas.		
			Poor: Entire repaint needed.		
			Excellent: 45 to 50 years remaining		
	Remaining Service	F	Good: 30 to 44 years remaining		
Structure	Life		Fair: 10 to 29 years remaining		
			Pool. 0 to 9 years remaining Excellent: New nlumbing fixtures, excellent condition		
	Restroom Plumbing		Good: Good fixture and piping appearance: no leaks.		
	Fixtures	F	Fair: Functional some maintenance required.		
			Poor: Leaking and damaged, or no plumbing fixtures provided.		
			Excellent: Meets future 2036 demand (and current demand).		
	Restroom Stalle	5	Good: Meets current 2016 demand.		
	Restroom stalls	-	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New roofing, excellent condition.		
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.		
			ran, waterlight, some maintenance needed.		
			Fycellent: New siding excellent condition		
			Good: Sound, weatherproof, tight, good finish. maintenance free.		
	Siding	G	Fair: Sound, weatherproof, some wear and tear.		
			Poor: Deteriorated, leaking, significant air infiltration.		

	Site Scoring & Scoring Definitions				
Site Name:	Name: Troy RA				
Date:	5/16/2018	Inspector: C. DeVerniero			
Element	•	Site Rating	Definition		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.		
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet		
	Meet Peak Daily	E	calculated future peak daily demand.		
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.		
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.		
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.		
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future		
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional		
	Meet Peak	F	pressure tanks.		
	Domand		Fair: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be		
	Demanu		satisfied through the addition of hive or less additional pressure tarks.		
			Poor, storage is not adequate to meet existing on ruture peak instantaneous demand. Future storage requirement cannot be catified with fine or loss additional presente tanks.		
Wator			Excellent New operation and maintenance concerns		
water	Operation &	F	Eater Aged minor operation and maintenance concerns		
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Backflow prevention is included on irrigation system material of years many provide the same.		
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.		
		E	Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not		
	Source Quality (Transient Non- community Monitoring Regulations)		require disinfection per well construction details. Currently, no treatment or disinfection is provided.		
			Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires		
			disinfection based on well construction details or treatment and/or disinfection is currently provided.		
			Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.		
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.		
	Remaining Service Life		Excellent: 16 to 20 years remaining.		
		р	Good: 11 to 15 years remaining.		
		, r	Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
	Municipal System	NO	Excellent: Connected to a municipal system.		
			Excellent: On-site advanced system.		
	Treatment System	G	Good: On-site septic drainfield, dosed with a pump.		
			Fair: Un-site septic drainfield, gravity system.		
			Poor: Utner.		
	Wastowator Dosign	E	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.		
	Flow		Guou. 2006 projected design now exceed the estimated existing wastwater system design now.		
	1104		Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow		
			From projected design not exercise exercise exercise system design not		
Wastewater	Operation &	G	Good: Minor operation and maintenance concerns or level II treatment system.		
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.		
			Excellent: Drainfield area to available area ratio is less than 5.		
	City Country into	-	Good: Drainfield area to available area ratio is between 5 and 10.		
	Site Constraints	E	Fair: Drainfield area to available area ratio is between 10 and 15.		
			Poor: Drainfield area to available area ratio is greater than 15.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service	Р	Good: 11 to 15 years remaining.		
	Life		Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: 10 or more amenities		
Amenities	Number of Amenities	E	Good: 5 to 9 amenities		
			Fair: 1 to 4 amenities		
			Poor: No amenities		

	Site Scoring & Scoring Definitions				
Site Name:	me: Vandalia RA				
Date:	10/26/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
			Excellent: Meets future 2036 demand (and current demand).		
	Passenger Venicie Parking Stalls	E	Guou. Meets current 2016 demand.		
	r arking stans		Poor: Meets as percent of current 2016 demand		
		1	Excellent: Meets future 2036 demand (and current demand).		
		_	Good: Meets current 2016 demand.		
	Truck Parking Stalls	E	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New parking area, no ponding or flat areas.		
	Drainage Condition	F	Good: No ponding or flat areas.		
			Fair: Some ponding and flat areas.		
Parking &			Poor: Ponding or large areas of water retention.		
Pavement			Excellenc: New pavement, no cracking or rutting.		
	Pavement Condition	F	Eair: Moderately rough surface cracking / ew mice connecting cacks, rotating deputs < 1 . Eair: Moderately rough surface cracking 3/8" to 3" wide some network, rotacking rutting depths 1"-2"		
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, ruthing depths 2 2"		
			Excellent: New, excellent condition.		
	Pavement Striping		Good: Functional, adequate coverage.		
	Quality	F 1	Fair: Functional, some deterioration.		
			Poor: Non-functional and deteriorated.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service	Р	Good: 11 to 15 years remaining.		
	Life		Fair: 6 to 10 years remaining.		
			Poor: 0 to 5 years remaining.		
			Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).		
	Exterior Lighting	F	Good: high pressure sodium lighting provided for all 4 areas.		
			raii. High pressure sodium lighting provided for 2-3 areas.		
			Excellent: New landscaping, plants/grass alive and healthy.		
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.		
	Areas	F	Fair: Plants/grass are alive but do not appear healthy.		
			Poor: Plants/grass are not alive.		
			Excellent: New picnic facilities, excellent condition.		
	Picnic Aroos		Good: Functional, well-maintained, clean.		
	Picfile Areas	l '	Fair: Functional, some maintenance/cleaning required.		
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.		
one			Excellent: New sidewalks, no deterioration.		
	Sidewalks	F	Good: Adequate connectivity, minimal deterioration.		
			Fair: Adequate connectivity, some deterioration.		
			Poor: Discontinuous, deteriorated.		
			Score Direct staffic groups in initiates the areas		
	Site Signage	G	Four Nerestities are simpled for annearance		
			Poor Missing signage or unreadable		
			Excellent: New receptacles, excellent appearance.		
	Exterior Waste		Good: Good appearance, receptacles with lids.		
	Receptacles	G	Fair: Fair appearance, receptacles without lids.		
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
	Facility Ventilation	P	Excellent: No odor problem		
	racincy ventilation		Poor: Continuous odor problem		
			Excellent: New flooring, excellent condition.		
	Floor Condition	F	GOUD: NO Cracks or separation, level.		
			Fair: Some wear and minor imperfections.		
			Four Detenorated and unattractive.		
			Good: Good illumination, high efficiency LED fixtures		
	Interior Lighting	Р	Fair: Sufficient illumination, older high pressure sodium fixtures.		
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.		
			Excellent: New paint, excellent condition.		
	Deline	I .	Good: Adequate coverage, no signs of chipping/pealing.		
	Paint	F F	Fair: Some maintenance required for isolated areas.		
			Poor: Entire repaint needed.		
			Excellent: 45 to 50 years remaining		
	Remaining Service	Р	Good: 30 to 44 years remaining		
Structure	Life		Fair: 10 to 29 years remaining		
			Poor: 0 to 9 years remaining		
			Excellent: New plumbing fixtures, excellent condition.		
	Restroom Plumbing	F	Good: Good fixture and piping appearance; no leaks.		
	Fixtures		Fair: Functional, some maintenance required.		
			Poor Leaking and damaged, or no prumping instures provided. Excellent: Meets future 2036 demand (and current demand)		
			Good: Meets current 2016 demand.		
	Restroom Stalls	E	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New roofing, excellent condition.		
	Deefine		Good: Watertight , no signs of deterioration, maintenance free.		
	Rooting	G	Fair: Watertight, some maintenance needed.		
			Poor: Leaking and deteriorated.		
			Excellent: New siding, excellent condition.		
	Siding	F	Good: Sound, weatherproof, tight, good finish, maintenance free.		
		I '	Fair: Sound, weatherproof, some wear and tear.		
			Poor: Deteriorated, leaking, significant air infiltration.		

	Site Scoring & Scoring Definitions					
Site Name:	ve: Vandalia RA					
Date:	10/26/2017	Inspector: J. Potts				
Element	•	Site Rating	Definition			
	Municipal System	NO	Excellent: Connected to a municipal system.			
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.			
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet			
	Meet Peak Daily	Р	calculated future peak daily demand.			
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.			
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.			
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.			
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future			
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional			
	Meet Peak	F	pressure tanks.			
	Domand		Fair: storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be			
	Demanu		satisfied through the addition of nive or less additional pressure tanks.			
			Poor, storage is not adequate to meet existing or nature peak instantaneous demand. Future storage requirement cannot be catified with five or lass additional pressure tanks.			
Wator			Excellent New operation and maintenance concerns			
water	Operation &	F	Eater Ared, in operation and maintenance concerns.			
	Maintenance	-	Poor: Multiple operation and maintenance concerns: indications of system failure.			
			Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.			
	Backflow Prevention	E	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.			
			Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not			
	Source Quality (Transient Non- community Monitoring Regulations)	G	require disinfection per well construction details. Currently, no treatment or disinfection is provided.			
			Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires			
			disinfection based on well construction details or treatment and/or disinfection is currently provided.			
			Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.			
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.			
			Excellent: 16 to 20 years remaining.			
	Remaining Service Life	р	Good: 11 to 15 years remaining.			
		ſ	Fair: 6 to 10 years remaining.			
			Poor: 0 to 5 years remaining.			
	Municipal System	NO	Excellent: Connected to a municipal system.			
			Excellent: On-site advanced system.			
	Treatment System	G	Good: Un-site septic drainfield, dosed with a pump.			
			Fair: Of-site septic drainied, gravity system.			
			Pool. Other. Evcolopt: Euture actimated design flow are less than the actimated existing wastewater system design flow.			
	Wastewater Design	E	Accelent. Fourier estimated design how are less than the estimated existing wastewater system design how.			
			Fair: 2026 projected design flow exceed the estimated existing watewater system design flow.			
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.			
			Excellent: No operation and maintenance concerns.			
Wastewater	Operation &	Р	Good: Minor operation and maintenance concerns or level II treatment system.			
	Maintenance		Poor: Multiple operation and maintenance concerns; indications of system failure.			
			Excellent: Drainfield area to available area ratio is less than 5.			
	Site Constraints	-	Good: Drainfield area to available area ratio is between 5 and 10.			
	Site constraints	-	Fair: Drainfield area to available area ratio is between 10 and 15.			
			Poor: Drainfield area to available area ratio is greater than 15.			
			Excellent: 16 to 20 years remaining.			
	Remaining Service	Р	Good: 11 to 15 years remaining.			
	Life		Fair: 6 to 10 years remaining.			
			Poor: 0 to 5 years remaining.			
			Excellent: 10 or more amenities			
Amenities	Number of Amenities	E	Good: 5 to 9 amenities			
			Fair: 1 to 4 amenities			
			Poor: No amenities			

	Site Scoring & Scoring Definitions				
Site Name:	ite Name: Vista Point PA				
Date:	5/29/2018	2018 Inspector: J. Potts			
Element		Site Rating	Definition		
	Drainage Condition	F	Good: No ponding or flat areas. Fair: Some ponding and flat areas. Poor: Ponding or large areas of water retention		
Pavement	Pavement Condition	G	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1". Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2". Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
	Pavement Striping Quality	G	Good: Functional, adequate coverage. Fair: Functional, some deterioration. Poor: Non-functional and deteriorated.		
Site	Exterior Lighting	 Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways). P Fair: High pressure sodium lighting provided for 3-4 areas. Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting. 			
	Landscaping/Lawn Areas	G	Good: Plants/grass are alive & appear healthy. Fair: Plants/grass are alive but do not appear healthy. Poor: Plants/grass are not alive.		
	Picnic Areas	Р	Good: Functional, well-maintained, clean, and in good condition. Fair: Functional, some maintenance/cleaning required. Poor: Non-functional, poor appearance, or no picnic facilities provided.		
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration. Fair: Adequate connectivity, some deterioration. Poor: Discontinuous, deteriorated.		
	Site Signage	G	Good: Directs traffic properly, indicates site areas, and good condition. Fair: Necessities are signed, fair appearance. Poor: Missing signage or unreadable.		
	Exterior Waste Receptacles	F	Good: Good appearance, receptacles with lids. Fair: Fair appearance, receptacles without lids. Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
Water System	Operation & Maintenance	Р	Good: New; no operation and maintenance concerns. Fair: Aged; minor operation and maintenance concerns. Poor: Multiple operation and maintenance concerns; indications of system failure.		
Vaulted Toilet	Operation & Maintenance	G	Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns. Fair: Structure aged, some deterioration; minor operation and maintenance concerns. Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure		

Site Name:	Site Scoring & Scoring Definitions				
Date:	10/26/2017	Inspector:	J. Potts		
Element		Site Rating	Definition		
			Excellent: Meets future 2036 demand (and current demand).		
	Passenger Vehicle	E	Good: Meets current 2016 demand.		
	Parking Stalls	-	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: Meets future 2036 demand (and current demand).		
	Truck Parking Stalls	Р	Good: Meets current 2016 demand.		
			Poor: Most los than 85 percent of current 2016 demand		
		-	Fool: Weets less than as percent of current 2010 definition.		
			Good: No onoting or flat areas		
	Drainage Condition	G	Fair: Some ponding and flat areas.		
Parking &			Poor: Ponding or large areas of water retention.		
Pavement			Excellent: New pavement, no cracking or rutting.		
	Development Constitution		Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".		
	Pavement Condition	G	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".		
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
			Excellent: New, excellent condition.		
	Pavement Striping	E	Good: Functional, adequate coverage.		
	Quality	-	Fair: Functional, some deterioration.		
			Poor: Non-functional and deteriorated.		
			Excellent: 16 to 20 years remaining.		
	Remaining Service	Р	Good: 11 to 15 years remaining.		
	Life		Fair: 6 to 10 years remaining.		
			Puol. 0 10 5 years remaining. Evcallent: LED lighting provided for all 4 areas (parking areas, building ontring, bishway ramps, and wallsways)		
			Good: High pressure codium lighting provided for all 4 areas. building entries, highway ramps, and waikways).		
	Exterior Lighting	G	Solution in pressure solution ingriting provided for all 4 areas.		
			Poor: No exterior lighting		
		-	Excellent: New landscaping, plants/grass alive and healthy.		
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.		
	Areas	G	Fair: Plants/grass are alive but do not appear healthy.		
			Poor: Plants/grass are not alive.		
			Excellent: New picnic facilities, excellent condition.		
	Dissis Asses		Good: Functional, well-maintained, clean.		
	Picnic Areas	G	Fair: Functional, some maintenance/cleaning required.		
Sito			Poor: Non-functional, poor appearance, or no picnic facilities provided.		
Sile			Excellent: New sidewalks, no deterioration.		
	Sidewalks	G	Good: Adequate connectivity, minimal deterioration.		
	onacinanto	, i	Fair: Adequate connectivity, some deterioration.		
			Poor: Discontinuous, deteriorated.		
			Excellent: New signage, excellent condition.		
	Site Signage	G	Good: Directs traffic properly, indicates site areas.		
			Fair: Necessities are signed, tair appearance.		
			Poor. Witsing signage of unreadable.		
	Exterior Waste		Good Good angegrance recentacies with lide		
	Receptacles	G	Fair: Fair appearance, recentacles without lids.		
			POOT: Poor appearance, recentacles without lids, or no recentacles provided.		
			Excellent: No odor problem		
	Facility Ventilation	E	Poor: Continuous odor problem		
			Excellent: New flooring, excellent condition.		
	Floor Condition	G	Good: No cracks or separation, level.		
			Fair: Some wear and minor imperfections.		
			Poor: Deteriorated and unattractive.		
			Excellent: New LED interior lighting, excellent condition.		
	Interior Lighting	G	Good: Good illumination, high efficiency LED fixtures.		
	00	1	Fair: Sufficient illumination, older high pressure sodium fixtures.		
			Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.		
			Excellent: New paint, excellent condition.		
	Paint	G	Guou. Adequate coverage, no signs of chipping/pealing.		
		1	Page 2 Pa		
		-	Poor: Entire repaint needed.		
	Romaining Service		Good 20 to 44 was remaining		
	Life	G	Fair: 10 to 29 years remaining		
Structure			Poor: 0 to 9 years remaining		
			Fool: or of years for the second		
	Restroom Plumbing		Good: Good fixture and piping appearance: no leaks.		
	Fixtures	G	Fair: Functional, some maintenance required.		
			Poor: Leaking and damaged, or no plumbing fixtures provided.		
			Excellent: Meets future 2036 demand (and current demand).		
	Postroom Stalls		Good: Meets current 2016 demand.		
	Restroom Stalls	G	Fair: Meets 85 percent of current 2016 demand.		
			Poor: Meets less than 85 percent of current 2016 demand.		
			Excellent: New roofing, excellent condition.		
	Roofing	G	Good: Watertight , no signs of deterioration, maintenance free.		
		Ĩ	Fair: Watertight, some maintenance needed.		
			Poor: Leaking and deteriorated.		
			Excellent: New siding, excellent condition.		
	Siding	G	Good: Sound, weatherproof, tight, good finish, maintenance free.		
			Fair: Sound, weatherproof, some wear and tear.		
			Poor: Deteriorated, leaking, significant air infiltration.		

	Site Scoring & Scoring Definitions					
Site Name:	e: Wibaux RA					
Date:	10/26/2017	Inspector: J. Potts				
Element	•	Site Rating	Definition			
	Municipal System	E	Excellent: Connected to a municipal system.			
			Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.			
	Source Capability to		Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet			
	Meet Peak Daily	-	calculated future peak daily demand.			
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.			
			Poor: Existing observed problems with quantity, source does not have capacity for existing demand.			
			Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.			
			Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future			
	Storage Capability to		peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional			
	Instantaneous	-	pressure tanks.			
	Demand		rail. storage is not adequate to meet existing or ruture peak instantaneous demand. Future storage requirement can be			
	Demana		Boor: Stearage is not adjuste to most avieting or future on each instance units.			
			 storage is not adequate to meet existing or native peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks. 			
Water			Excellent: New: no operation and maintenance concerns.			
water	Operation &	-	Fair: Aged: minor operation and maintenance concerns.			
	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure.			
	Backflow Prevention		Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.			
		-	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.			
	Source Quality (Transient Non-		Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not			
			require disinfection per well construction details. Currently, no treatment or disinfection is provided.			
			Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires			
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.			
	Regulations)		Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.			
			Poor: Recurring history of water quality violations for coliform bacteria or nitrates.			
	Remaining Service Life	-	Excellent: 16 to 20 years remaining.			
			Good: 11 to 15 years remaining.			
			Fair: 6 to 10 years remaining.			
	Municipal Custom	-	Poor: U to 5 years remaining.			
	Municipal System	-	Excellent: Connected to a municipal system.			
			Good: On-site source system.			
	Treatment System		Eair: On-site sentic drainfield, gravity system			
			Poor: Other.			
		-	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.			
	Wastewater Design		Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.			
	Flow		Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.			
			Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.			
Wastowator	Operation &		Excellent: New; no operation and maintenance concerns.			
wastewater	Maintenance	-	Fair: Aged; minor operation and maintenance concerns.			
			Poor: Multiple operation and maintenance concerns; indications of system failure.			
			Excellent: Drainfield area to available area ratio is less than 5.			
	Site Constraints	-	Good: Drainfield area to available area ratio is between 5 and 10.			
			Fair: Drainfield area to available area ratio is between 10 and 15.			
			Poor: Drainfield area to available area ratio is greater than 15.			
	Domaining Convice		Cool: 11 to 12 years remaining.			
	Remaining Service Life	-	Eair: 6 to 10 years remaining			
			Poor: 0 to 5 years remaining			
			Excellent: 10 or more amenities			
			Good: 5 to 9 amenities			
Amenities	Number of Amenities	E	Fair: 1 to 4 amenities			
			Poor: No amenities			

	Site Scoring & Scoring Definitions				
Site Name:	Field Scoring - Rest Area	as			
Date: Element		Site Rating	efinition		
Liement	1	Site Nating	Excellent: Meets future	2036 demand (and current demand).	
	Passenger Vehicle		Good: Meets curren	2016 demand.	
	Parking Stalls		Fair: Meets 85 per	ent of current 2016 demand.	
			Poor: Meets less the	an 85 percent of current 2016 demand.	
			Excellent: Meets future	2036 demand (and current demand).	
	Truck Parking Stalls		Fair: Meets 85 per	. 2016 demand.	
			Poor: Meets less th	an 85 percent of current 2016 demand.	
			Excellent: New parking ;	irea, no ponding or flat areas.	
	Drainage Condition		Good: No ponding o	r flat areas.	
	bruinage condition		Fair: Some ponding	; and flat areas.	
Parking &			Poor: Ponding or lar	ge areas of water retention.	
Pavement			Excellent: New pavemer	it, no cracking or rutting.	
	Pavement Condition		Eair: Moderately r	.e, minor/namine cracking, rew interconnecting cracks, rutting depths < 1.	
			Poor: Rough surface	expression accession and the source of the s	
			Excellent: New, excellen	t condition.	
	Pavement Striping		Good: Functional, ac	equate coverage.	
	Quality		Fair: Functional, sc	me deterioration.	
			Poor: Non-function	al and deteriorated.	
			Excellent: 16 to 20 years	remaining.	
	Remaining Service Life		Good: 11 to 15 years	remaining.	
			Poor: 0 to 5 years	emaining.	
			Excellent: LED lighting p	rovided for all 4 areas (parking areas, building entries, highway ramps, and walkways).	
	e a contrata da contrata d		Good: High pressure	sodium lighting provided for all 4 areas.	
	Exterior Lighting		Fair: High pressure	sodium lighting provided for 2-3 areas.	
			Poor: No exterior lig	hting.	
			Excellent: New landscap	ing, plants/grass alive and healthy.	
	Landscaping/Lawn		Good: Plants/grass a	re alive & appear healthy.	
	Areas		Fair: Plants/grass a	re alive but do not appear healthy.	
			Excellent: New picnic fa	cilities, excellent condition.	
	Picnic Areas		Good: Functional, w	ell-maintained, clean.	
			Fair: Functional, sc	me maintenance/cleaning required.	
Site			Poor: Non-function	al, poor appearance, or no picnic facilities provided.	
0.110			Excellent: New sidewalk	s, no deterioration.	
	Sidewalks		Good: Adequate con	nectivity, minimal deterioration.	
			Poor: Discontinuou	nectivity, some deterioration.	
			Excellent: New signage.	excellent condition.	
	C'1C		Good: Directs traffic	properly, indicates site areas.	
	Site Signage		Fair: Necessities ar	e signed, fair appearance.	
			Poor: Missing signa	ge or unreadable.	
			Excellent: New receptac	les, excellent appearance.	
	Exterior Waste		Good: Good appeara	nce, receptacles with lids.	
	Receptacies		Poor: Poor appearan	Je, receptacles without lids.	
			Excellent: No odor prob	em	
	Facility Ventilation		Poor: Continuous o	dor problem	
			Excellent: New flooring,	excellent condition.	
	Floor Condition		Good: No cracks or s	eparation, level.	
			Fair: Some wear ar	d minor imperfections.	
			Freellent: Now I ED into	and unattractive.	
			Good: Good illumina	tion high efficiency IED fixtures	
	Interior Lighting		Fair: Sufficient illur	nination, older high pressure sodium fixtures.	
			Poor: Unsafe illumir	nation, antiquated fixtures, or no interior lighting provided.	
			Excellent: New paint, ex	cellent condition.	
	Paint		Good: Adequate cov	erage, no signs of chipping/pealing.	
			Fair: Some mainter	nance required for isolated areas.	
			Poor: Entire repaint	needed.	
			Good: 30 to 44 years	remaining	
	Remaining Service Life		Fair: 10 to 29 year	remaining	
Structure			Poor: 0 to 9 years r	maining	
			Excellent: New plumbin	g fixtures, excellent condition.	
	Restroom Plumbing		Good: Good fixture	ind piping appearance; no leaks.	
	Fixtures		Fair: Functional, sc	me maintenance required.	
			Poor: Leaking and d	amaged, or no plumbing fixtures provided.	

Site Scoring & Scoring Definitions

Site Name:	ield Scoring - Rest Areas			
Date:		Inspector:		
Element		Site Rating	Definition	
			Excellent: Meets future 2036 demand (and current demand).	
	Restroom Stalls		Good: Meets current 2016 demand.	
			Fair: Meets 85 percent of current 2016 demand.	
			Poor: Meets less than 85 percent of current 2016 demand.	
			Excellent: New rooting, excellent condition.	
	Roofing		Soou, waterlight, no signs of deterioration, maintenance free.	
			Pari - Waterught, some maintenance needed.	
			FOOL LEAKING and deteriorated.	
			Good's Sound weathersteen to hand faith maintenance free	
	Siding		Fair: Sound, weatherproof, tight, good minst, mantenance free.	
			Poir. Detoriested looking significant air following	
	Municipal System		Fool Deteriorated, leaking, significant an initiation.	
	wancipal System		Execution: Source to a manufacture cancel to the meet calculated existing and future neak daily demand	
	Source Canability to		Good: Source has adequate capacity to meet calculated existing neak daily demand but does not have capacity to meet calculated	
	Meet Peak Daily		future neak daily demand	
	Demand		Fair: Source does not have adequate capacity to meet calculated existing or future nesk daily demand	
			Poor: Evisiting observed archites with quantity source does not have capacity for evisiting demand.	
		1	From strating observed problems with quantity, source does not have capacity for existing demand.	
			Good storage is adequate to meet calculated existing and father peak instantaneous demand.	
	Storago Canability to		source storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated nucle peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure	
	Storage Capability to		tanks	
			Eair: Storage is not adopute to most ovisting or future pools instantaneous demand. Future storage requirement can be estimated	
	Demand		through the addition of five or less additional prevsive tanks	
			Poor storage is not addenuite to mean avisiting or future peak instantaneous demand. Future storage requirement capacities	
			satisfied with five or less additional pressure tanks	
			Excellent: New: no operation and maintenance concerns	
	Operation &		Fair Aged, minor operation and maintenance concerns	
water	Maintenance		Poor: Multiple operation and maintenance concerns: indications of system failure	
			Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same	
	Backflow Prevention		Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same	
			Excellent	
			No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not	
	Source Quality		require disinfection per well construction details. Currently, no treatment or disinfection is provided.	
	(Transient Non-		Curt	
	community		No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires	
	Monitoring		disinfection based on well construction details or treatment and/or disinfection is currently provided.	
	Regulations)		Foir Associated with a solid size for all from both in a size of the set for some	
			Pari - Occasional water quality violations for comorn bacteria or intrates within the past rive years.	
			Foot Accurring instory of water quality violations for conform bacteria of nitrates.	
			Good 11 to 15 years remaining.	
	Remaining Service Life		East for a lower semicing	
			Port 0 to Lyeast remaining.	
	Municipal System		Foot of 0 Syears remaining.	
	wunicipal System		Excellent. Connected to a municipal system.	
			Good: On site centic drainfield, deced with a nump	
	Treatment System		Source on-site septic drammeric, dosed with a pump.	
			Port of a set septic drammen, gravity system.	
			Foot Other.	
	Masteriates Desire		Cool: 2005 explored design flow are less than the estimated existing wastewater system design flow.	
	Flow		Eair, 2006 projected design how exceed the estimated existing wastewater system design how.	
	FIOW		Pair. 2005 projected design now exceed the estimated existing wastewater system design now.	
			From the projection and maintenance concerns	
Wastewater	Operation &		Good Minos paration and maintenance concerns.	
	Maintenance		Door: Multiple paretting and maintenance concerns or level in treatment system.	
			Foot - Multiple Operation and maintenance concerns, indications of system failure.	
			Good projected area to available area ratio is less that 3.	
	Site Constraints		Concernational and the available and ratio is between 3 and 10.	
			Pair. Draimiero area to available area ratio is between 10 and 15.	
			Eventer of the second s	
			Good 11 to 12 years remaining.	
	Remaining Service Life		Foir: 6 to 10 years remaining.	
			Fair, 6 to 10 years remaining.	
			Poor: U to 5 years remaining.	
			Excellent: 10 or more amenities	
Amenities	Number of Amenities		Guou, 5 to 3 amenities	
			Part to 4 amenites	
			Poor: No amenities	

	Site Scoring & Scoring Definitions				
Site Name:	Field Scoring - Parking	Areas			
Date:		Inspector:			
Element		Site Rating	Definition		
	Drainage Condition		Good: No ponding or flat areas. Fair: Some ponding and flat areas.		
			Poor: Ponding or large areas of water retention.		
			Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".		
Pavement	Pavement Condition		Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".		
			Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".		
	Deveneent Strining		Good: Functional, adequate coverage.		
	Pavement Striping		Fair: Functional, some deterioration.		
	Quality		Poor: Non-functional and deteriorated.		
			Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).		
	Exterior Lighting		Fair: High pressure sodium lighting provided for 3-4 areas.		
			Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.		
	Landscaping/Lawn		Good: Plants/grass are alive & appear healthy.		
			Fair: Plants/grass are alive but do not appear healthy.		
	Arcus		Poor: Plants/grass are not alive.		
			Good: Functional, well-maintained, clean, and in good condition.		
	Picnic Areas		Fair: Functional, some maintenance/cleaning required.		
Site			Poor: Non-functional, poor appearance, or no picnic facilities provided.		
			Good: Adequate connectivity, minimal deterioration.		
	Sidewalks		Fair: Adequate connectivity, some deterioration.		
			Poor: Discontinuous, deteriorated.		
			Good: Directs traffic properly, indicates site areas, and good condition.		
	Site Signage		Fair: Necessities are signed, fair appearance.		
			Poor: Missing signage or unreadable.		
	Exterior Waste		Good: Good appearance, receptacles with lids.		
	Receptacles		Fair: Fair appearance, receptacles without lids.		
			Poor: Poor appearance, receptacles without lids, or no receptacles provided.		
	Operation &		Good: New; no operation and maintenance concerns.		
Water	Maintenance		Fair: Aged; minor operation and maintenance concerns.		
System			Poor: Multiple operation and maintenance concerns; indications of system failure.		
	Life		Excellent: 16 to 20 years remaining.		
Vaulted	Operation &		Good: Structure in good condition, minimal deterioration; no operation and maintenance concerns.		
Toilet	Maintenance		Fair: Structure aged, some deterioration; minor operation and maintenance concerns.		
	mantenance		Poor: Structure defects: Multiple operation and maintenance concerns: indications of system failure.		

Water/Wastewater Observations					
Site Name:					
Date:	Inspector:				
WATER		Water System Type (Onsite or Public Connection):		
	Excellent	Fair	Poor	Field Observation	
Pumping Motor	Quiet and functioning properly.	Reduced water flow; aged.	Noisy, maintenance issues.		
Well Casing	New; no exterior pitting or damage.	Common rusting/pitting; case cracking.	Extensive rusting/pitting; damaged well casing.		
Well Cap	Good seal; good venting.	Good seal; aged; proper venting.	Broken seal; cracked or damaged casing; plugged vents.		
Water Meters	New and functioning properly.	Aged and functioning properly.	Nonfunctioning.		
Hydro-pneumatic Tank	New and maintaining pressure.	Aged and functioning properly.	Non functioning; continuous pump cycling.		
Treatment System	New and functioning.	Aged and functioning properly.	Nonfunctioning.		
Water Quality	New; no staining in sinks/toilets.	Aged and light staining in sinks/toilets.	Severe staining; no water filtering or treatment.		
Drainfield & Septic Tank Set Backs	All setbacks met.	MDEQ approval of setback infringements.	Well and wastewater system encroaching within MDEQ required setback.		
Storm Water Diversion	Good drainage away from well.	Some flat areas near well.	Ponding; large areas of water retention or evidence of surface water around well		
Well Pumps	New and functioning.	Aged and functioning properly.	Evidence of leaks; excessive well pump running.		
		Wastewater System Type (
WASTEWATER	Excellent	Fair	Poor	Field Observation	
Drainfield	New; no vegetation on or around system.	Less than 25% shrub cover on or around drainfield. Aged, with some settling of trenches.	Excessive settling of trenches, effluent surfacing, large trees/shrubs with more than 25% of drainfield covered.		
Storm Water Diversion	Good drainage away from drainfield and tanks.	Some flat areas near drainfield and tanks.	Ponding; large areas of water retention or evidence of surface water on or around drainfield.		
Septic Tank	New and functioning properly; effluent same level of outlet.	Aged with small surface cracks; not leaking; functioning properly; effluent same elevation as outlet.	Leaking; large cracks; signs of failure; effluent elevation above or below outlet.		
Effluent Filter	New and functioning properly.	Aged and functioning properly.	Plugged filter or no filter.		
Pumping System	New and functioning properly.	Aged and functioning properly.	Nonfunctioning; effluent level at top of dose tank.		
Control Boxes , Alarms, Run-time Meters	New and functioning properly.	Aged and functioning properly.	Nonfunctioning.		
Vaulted Toilets	New, minimal odor, intact appliances.	Aged, common odor, functioning appliances.	Extreme odor, broken appliances, full holding tanks.		

Attachment 3

SITE INVENTORY

	Site Inventory		
Location:	Alberton East PA		
Date:	5/15/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	15	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	5	
	Exterior Light Poles	0	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	9	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes

	Site Inventory		
Location:	Alberton West PA		
Date:	5/15/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	7	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	2	
	Exterior Light Poles	0	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	13	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes

	Site Inventory		
Location:	Anaconda RA		
Date:	6/1/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	25	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	15	
	Exterior Light Poles	18	
	Exterior Light Fixtures (Attached to Building)	14	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	4	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	8	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	4	
	Display Cases	4	
	Vending Machines	1	
	Telephones	0	
	Hand Dryers	5	
	Sinks (i.e., stainless, ceramic porcelain, other)	5	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	5	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	5	Porcelain
	Interior Waste Receptacles	5	
	Vault Toilets	0	
	Hand Dryers	5	
	Sinks (i.e., stainless, ceramic porcelain, other)	5	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	5	Porcelain
Restroom	Interior Waste Receptacles	10	
	Vault Toilets	0	

	Site Inventory			
Location:	Armington Junction RA			
Date:	4/26/2018			
Inspector:	C. DeVerniero			
Element		Number	Туре	
	Passenger Vehicle Parking Stalls	12		
Parking	ADA Vehicle Parking Stalls	2		
	Commercial Vehicle Parking Stalls	6		
	Exterior Light Poles	7		
	Exterior Light Fixtures (Attached to Building)	1		
	Picnic Shelters with Tables	2		
	Independent Picnic Tables	0		
	Bench Seating (Not Picnic Tables)	2		
	Exterior Waste Receptacles	15		
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless	
	Pet Areas	1		
	Historical Interpretive Signs	3		
	Informational/Directional Signage	12		
	Display Cases	2		
	Vending Machines	0		
	Telephones	0		
	Hand Dryers	2		
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless	
Men's Bostroom	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	1 Stainless, 1 Porcelain	
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless	
	Interior Waste Receptacles	1		
	Vault Toilets	0		
	Hand Dryers	2		
Mamaria	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless	
Postroom	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless	
Restroom	Interior Waste Receptacles	1		
	Vault Toilets	0		

	Site Inventory		
Location:	Bad Route RA		
Date:	10/25/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	36	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	16	
	Exterior Light Poles	14	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	4	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	3	
	Exterior Waste Receptacles	18	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	4	
	Display Cases	5	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Barretts PA		
Date:	5/31/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	9	
Parking	ADA Vehicle Parking Stalls	0	
	Commercial Vehicle Parking Stalls	0	
	Exterior Light Poles	0	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	8	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	0	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	0	

	Site Inventory		
Location:	Bearmouth East RA		
Date:	6/1/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	49	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	17	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	23	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	12	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	5	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	1	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
Mamoria	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Bearmouth West RA		
Date:	6/1/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	47	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	21	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	23	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	12	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	5	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	1	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Bozeman RA		
Date:	10/19/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	26	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	16	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	3	
Site	Exterior Waste Receptacles	8	+6 inside and 1 dumpster
Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	9	
	Informational/Directional Signage	7	
	Display Cases	6	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Other (composite)
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Other (composite)
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	2	Other (composite)
	Interior Waste Receptacles	2	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Other (composite)
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	6	Other (composite)
Restroom	Interior Waste Receptacles	7	
	Vault Toilets	0	
Site Inventory			
-------------------	----------------------------------------------------------------	--------	-----------
Location:	Bridger RA		
Date:	10/31/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	13	
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	5	
	Exterior Light Poles	5	
	Exterior Light Fixtures (Attached to Building)	3	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	3	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Broadus RA		
Date:	10/25/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	9	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	15	
	Exterior Light Poles	16	
	Exterior Light Fixtures (Attached to Building)	8	
	Picnic Shelters with Tables	1	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	4	
	Informational/Directional Signage	2	
	Display Cases	5	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Interior Waste Receptacles	3	
	Vault Toilets	0	

Site Inventory			
Location:	Clearwater Junction RA		
Date:	6/2/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	25	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	14	
	Exterior Light Poles	15	
	Exterior Light Fixtures (Attached to Building)	10	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	8	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	11	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	2	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	2	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Interior Waste Receptacles	3	
	Vault Toilets	0	

Site Inventory			
Location:	Columbus East RA		
Date:	10/24/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	32	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	28	
	Exterior Light Poles	12	
	Exterior Light Fixtures (Attached to Building)	21	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	8	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	1	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
14/00000010	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Columbus West RA		
Date:	10/31/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	29	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	40	
	Exterior Light Poles	15	
	Exterior Light Fixtures (Attached to Building)	23	
	Picnic Shelters with Tables	1	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	6	
	Exterior Waste Receptacles	2	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	5	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
Mamaria	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Conrad RA		
Date:	5/18/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	31	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	18	
	Exterior Light Poles	15	
	Exterior Light Fixtures (Attached to Building)	13	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	14	
	Display Cases	2	
	Vending Machines	1	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

	Site Inventory		
Location:	Culbertson RA		
Date:	10/26/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	23	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	12	7 (18-wheel) 5 (RV)
	Exterior Light Poles	20	6 (scale) 14 (RA)
	Exterior Light Fixtures (Attached to Building)	6	
	Picnic Shelters with Tables	1	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	14	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	0	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	2	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	0	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Interior Waste Receptacles	2	
	Vault Toilets	0	

	Site Inventory		
Location:	Custer East RA		
Date:	11/1/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	14	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	1	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	4	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Custer West RA		
Date:	11/1/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	17	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	11	
	Exterior Light Poles	12	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	1	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	12	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	6	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Dearborn North RA		
Date:	4/27/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	20	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	25	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	4	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	4	
	Informational/Directional Signage	12	
	Display Cases	2	
	Vending Machines	1	
	Telephones	0	
	Hand Dryers	3	
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	3	Porcelain
	Interior Waste Receptacles	3	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Lither Sex	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Restroom	Interior Waste Receptacles	2	
	Vault Toilets	0	

	Site Inventory			
Location:	Dearborn South RA			
Date:	4/27/2018	4/27/2018		
Inspector:	C. DeVerniero			
Element		Number	Туре	
	Passenger Vehicle Parking Stalls	20		
Parking	ADA Vehicle Parking Stalls	2		
	Commercial Vehicle Parking Stalls	25		
	Exterior Light Poles	8		
	Exterior Light Fixtures (Attached to Building)	4		
	Picnic Shelters with Tables	4		
	Independent Picnic Tables	0		
	Bench Seating (Not Picnic Tables)	0		
	Exterior Waste Receptacles	3		
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless	
	Pet Areas	1		
	Historical Interpretive Signs	4		
	Informational/Directional Signage	12		
	Display Cases	2		
	Vending Machines	1		
	Telephones	0		
	Hand Dryers	3		
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain	
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain	
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	3	Porcelain	
	Interior Waste Receptacles	3		
	Vault Toilets	0		
	Hand Dryers	4		
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain	
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain	
Restroom	Interior Waste Receptacles	8		
	Vault Toilets	0		
	Hand Dryers	1		
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain	
Either Sex	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Porcelain	
Restroom	Interior Waste Receptacles	2		
	Vault Toilets	0		

Site Inventory			
Location:	Dena Mora East RA		
Date:	5/16/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	22	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	15	
	Exterior Light Poles	11	
	Exterior Light Fixtures (Attached to Building)	14	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	2	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	9	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	16	
	Display Cases	2	
	Vending Machines	0	
	Telephones	1	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women s	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

Site Inventory			
Location:	Dena Mora West RA		
Date:	5/16/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	23	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	16	
	Exterior Light Poles	10	
	Exterior Light Fixtures (Attached to Building)	14	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	3	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	16	
	Display Cases	2	
	Vending Machines	0	
	Telephones	1	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

Site Inventory			
Location:	Divide North RA		
Date:	5/30/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	17	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	16	
	Exterior Light Poles	12	
	Exterior Light Fixtures (Attached to Building)	21	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	8	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	1	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

Site Inventory			
Location:	Divide South RA		
Date:	5/30/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	16	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	21	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	8	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	1	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

	Site Inventory		
Location:	Dupuyer PA		
Date:	5/17/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	8	
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	3	
	Exterior Light Poles	2	
	Exterior Light Fixtures (Attached to Building)	1	
	Picnic Shelters with Tables	1	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	8	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	5	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	

Site Inventory			
Location:	Emigrant RA		
Date:	10/24/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	20	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	7	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	1	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	2	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

Site Inventory			
Location:	Flowing Wells RA		
Date:	10/27/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	6	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	6	
	Exterior Light Poles	7	
	Exterior Light Fixtures (Attached to Building)	9	2 (picnic area)
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	4	2 (in) 2 (out)
	Exterior Waste Receptacles	8	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	5	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	3	
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	3	Porcelain
	Interior Waste Receptacles	3	
	Vault Toilets	0	
	Hand Dryers	3	
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Interior Waste Receptacles	6	
	Vault Toilets	0	

Site Inventory			
Location:	Gold Creek East RA		
Date:	4/19/2017		
Inspector:	Gold Creek Safety Rest Area Planr	ning Team	
Element		Number	Туре
	Passenger Vehicle Parking Stalls	19	
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	11	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	3	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	0	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	5	
	Informational/Directional Signage	8	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Porcelain
	Interior Waste Receptacles	0	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	0	

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Site Inventory			
Location:	Gold Creek West RA		
Date:	4/19/2017		
Inspector:	Gold Creek Safety Rest Area Plan	ning Team	
Element		Number	Туре
	Passenger Vehicle Parking Stalls	18	
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	7	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	4	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	0	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	8	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Porcelain
	Interior Waste Receptacles	0	
	Vault Toilets	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	0	

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

	Site Inventory		
Location:	Greycliff East RA		
Date:	4/25/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	50	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	22	
	Exterior Light Poles	7	
	Exterior Light Fixtures (Attached to Building)	8	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	7	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	18	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

	Site Inventory		
Location:	Greycliff West RA		
Date:	4/25/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	32	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	19	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	6	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	7	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	19	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
Managala	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women s	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

	Site Inventory		
Location:	Hardin East RA		
Date:	11/1/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	13	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	12	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	5	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	2	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	9	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	2	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	4	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

Site Inventory			
Location:	Hardin West RA		
Date:	11/1/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	14	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	13	
	Exterior Light Poles	9	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	2	
	Bench Seating (Not Picnic Tables)	3	
	Exterior Waste Receptacles	9	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	2	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	4	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

	Site Inventory		
Location:	Harlowton RA		
Date:	4/26/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	21	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	16	
	Exterior Light Poles	13	
	Exterior Light Fixtures (Attached to Building)	11	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	6	
	Exterior Waste Receptacles	21	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	24	
	Display Cases	4	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
Managala	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

Site Inventory			
Location:	Hathaway East RA		
Date:	11/2/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	10	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	11	
	Exterior Light Poles	7	
	Exterior Light Fixtures (Attached to Building)	6	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	2	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	8	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	3	
	Historical Interpretive Signs	5	
	Informational/Directional Signage	4	
	Display Cases	5	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	0	
	Vault Toilets	0	
	Hand Dryers	2	
14/0-00-0-0-1-	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	3	
	Vault Toilets	0	

	Site Inventory		
Location:	Hathaway West RA		
Date:	11/2/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	8	
Parking	ADA Vehicle Parking Stalls	4	
	Commercial Vehicle Parking Stalls	11	
	Exterior Light Poles	9	
	Exterior Light Fixtures (Attached to Building)	6	
	Picnic Shelters with Tables	5	
	Independent Picnic Tables	1	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	11	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	3	
	Historical Interpretive Signs	4	
	Informational/Directional Signage	6	
	Display Cases	5	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	0	
	Vault Toilets	0	
	Hand Dryers	2	
14/0-00-0-0-1-	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	3	
	Vault Toilets	0	

	Site Inventory		
Location:	Homestake East PA		
Date:	5/30/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	15	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	2	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	0	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	
	Hand Dryers	0	
14/00000010	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	

	Site Inventory		
Location:	Homestake West PA		
Date:	10/19/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	14	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	2	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	+ 1 dumpster
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	7	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	3	3-total unisex
	Hand Dryers	0	
Momoria	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	3	3-total unisex

	Site Inventory		
Location:	Hysham East RA		
Date:	4/25/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	15	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	21	
	Exterior Light Poles	13	
	Exterior Light Fixtures (Attached to Building)	12	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	6	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	16	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	5	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

	Site Inventory		
Location:	Hysham West RA		
Date:	4/25/2018		
Inspector:	C. Deverniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	17	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	22	
	Exterior Light Poles	13	
	Exterior Light Fixtures (Attached to Building)	12	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	6	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	18	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	5	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

Site Inventory			
Location:	Jefferson City North RA		
Date:	10/19/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	11	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	8	
	Exterior Light Poles	7	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	4	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Other (Composite)
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Other (Composite)
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Other (Composite)
	Interior Waste Receptacles	1	
	Vault Toilets	NA	
	Hand Dryers	1	
Mamain la	Sinks (i.e., stainless, ceramic porcelain, other)	1	Other (Composite)
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Other (Composite)
Restroom	Interior Waste Receptacles	3	
	Vault Toilets	NA	

Site Inventory			
Location:	Jefferson City South RA		
Date:	6/1/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	9	
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	4	Estimated 4
	Exterior Light Poles	10	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	8	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Porcelain
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	1	
14 (1 1 1 1 1 1	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Porcelain
Restroom	Interior Waste Receptacles	2	
	Vault Toilets	0	

	Site Inventory		
Location:	Lima RA		
Date:	5/31/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	29	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	19	
	Exterior Light Poles	10	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	4	
	Independent Picnic Tables	8	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	1	
	Display Cases	1	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	3	
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	3	Porcelain
	Interior Waste Receptacles	3	
	Vault Toilets	0	
	Hand Dryers	3	
Mamaria	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Interior Waste Receptacles	6	
	Vault Toilets	0	

	Site Inventory		
Location:	Livingston PA		
Date:	10/24/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	17	
Parking	ADA Vehicle Parking Stalls	3	
	Commercial Vehicle Parking Stalls	13	
	Exterior Light Poles	4	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
Sito	Exterior Waste Receptacles	4	2 (cans) 2 (dumpsters)
Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	1	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	1	
	Vault Toilets	2	unisex (car side)
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	2	unisex (truck side)

Site Inventory			
Location:	Locate PA		
Date:	10/25/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	?	stripes gone
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	?	stripes gone
	Exterior Light Poles	3	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	2	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	2	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes
	Hand Dryers	0	
Mamoria	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes
	Site Inventory		
-------------------	----------------------------------------------------------------	--------	-----------
Location:	Lost Trail Pass RA		
Date:	5/30/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	21	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	6	
	Exterior Light Poles	4	
	Exterior Light Fixtures (Attached to Building)	10	
	Picnic Shelters with Tables	1	
	Independent Picnic Tables	4	
	Bench Seating (Not Picnic Tables)	1	
	Exterior Waste Receptacles	15	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	2	
	Display Cases	1	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
14/00000010	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless
Restroom	Interior Waste Receptacles	4	
	Vault Toilets	0	

Site Inventory			
Location:	Lyon's Creek North PA		
Date:	4/27/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	10	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	2	
	Exterior Light Poles	0	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	2	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	12	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Women s	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes

Site Inventory			
Location:	Lyon's Creek South PA		
Date:	4/27/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	10	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	2	
	Exterior Light Poles	0	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	13	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Both Sexes

	Site Inventory		
Location:	Mosby RA		
Date:	10/27/2017		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	9	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	6	
	Exterior Light Poles	12	
	Exterior Light Fixtures (Attached to Building)	12	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	4	
	Exterior Waste Receptacles	12	2 (inside)
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	3	
	Display Cases	4	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	4	
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain
	Interior Waste Receptacles	4	
	Vault Toilets	0	
	Hand Dryers	4	
14/0-00-0-0-1-	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain
Restroom	Interior Waste Receptacles	8	
	Vault Toilets	0	

	Site Inventory		
Location:	Quartz Flats East RA		
Date:	5/15/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	26	
Parking	ADA Vehicle Parking Stalls	6	
	Commercial Vehicle Parking Stalls	11	
	Exterior Light Poles	10	
	Exterior Light Fixtures (Attached to Building)	3	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	9	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	2	
	Informational/Directional Signage	24	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
Managala	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
women s	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Stainless
Restroom	Interior Waste Receptacles	1	
	Vault Toilets	0	

	Site Inventory		
Location:	Quartz Flats West RA		
Date:	5/15/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	26	
Parking	ADA Vehicle Parking Stalls	6	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	10	
	Exterior Light Fixtures (Attached to Building)	3	
	Picnic Shelters with Tables	3	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	3	
	Exterior Waste Receptacles	9	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	24	
	Display Cases	3	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	2	
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	2	
Manage la	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Stainless
Restroom	Interior Waste Receptacles	1	
	Vault Toilets	0	

	Site Inventory		
Location:	Raynolds Pass RA		
Date:	e: 4/24/2018		
Inspector:	C. DeVerniero		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	15	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	10	
	Exterior Light Poles	8	
	Exterior Light Fixtures (Attached to Building)	10	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	2	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	3	
	Informational/Directional Signage	12	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	3	
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	3	Porcelain
	Interior Waste Receptacles	3	
	Vault Toilets	0	
	Hand Dryers	3	
	Sinks (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain
Restroom	Interior Waste Receptacles	6	
	Vault Toilets	0	

Site Inventory			
Location:	Red Rocks North PA		
Date:	5/31/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	12	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	9	
	Exterior Light Poles	1	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	0	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	0	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex
	Hand Dryers	0	
14/000001-	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex

	Site Inventory		
Location:	Red Rocks South PA		
Date:	5/31/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	8	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	7	
	Exterior Light Poles	1	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	4	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	0	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex

	Site Inventory		
Location:	Roberts RA		
Date:	5/6/2017		
Inspector:	Roberts Rest Area Team		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	8	
Parking	ADA Vehicle Parking Stalls	1	
	Commercial Vehicle Parking Stalls	5	
	Exterior Light Poles	5	
	Exterior Light Fixtures (Attached to Building)	4	
	Picnic Shelters with Tables	2	
	Independent Picnic Tables	1	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	6	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless
	Pet Areas	1	
	Historical Interpretive Signs	0	
	Informational/Directional Signage	7	
	Display Cases	2	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	1	
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Porcelain
	Interior Waste Receptacles	1	
	Vault Toilets	0	
	Hand Dryers	1	
Manan la	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain
Women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Porcelain
Restroom	Interior Waste Receptacles	1	
	Vault Toilets	0	

Site Inventory			
Location:	Rock Creek East PA		
Date:	6/1/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	16	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	6	
	Exterior Light Poles	0	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	0	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex
	Hand Dryers	0	
14/000001-	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex

Site Inventory			
Location:	Rock Creek West PA		
Date:	6/1/2018		
Inspector:	J. Potts		
Element		Number	Туре
	Passenger Vehicle Parking Stalls	15	
Parking	ADA Vehicle Parking Stalls	2	
	Commercial Vehicle Parking Stalls	6	
	Exterior Light Poles	2	
	Exterior Light Fixtures (Attached to Building)	0	
	Picnic Shelters with Tables	0	
	Independent Picnic Tables	0	
	Bench Seating (Not Picnic Tables)	0	
	Exterior Waste Receptacles	3	
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA
	Pet Areas	0	
	Historical Interpretive Signs	1	
	Informational/Directional Signage	0	
	Display Cases	0	
	Vending Machines	0	
	Telephones	0	
	Hand Dryers	0	
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA
	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex
	Hand Dryers	0	
14/000001-	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA
Restroom	Interior Waste Receptacles	0	
	Vault Toilets	1	Either Sex

	Site Inventory									
Location:	Sweet Grass RA									
Date:	5/17/2018									
Inspector:	C. DeVerniero									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	14								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	7								
	Exterior Light Poles	11								
	Exterior Light Fixtures (Attached to Building)	18								
	Picnic Shelters with Tables	3								
	Independent Picnic Tables	2								
	Bench Seating (Not Picnic Tables)	2								
	Exterior Waste Receptacles	12								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless							
	Pet Areas	1								
	Historical Interpretive Signs	3								
	Informational/Directional Signage	24								
	Display Cases	4								
	Vending Machines	2								
	Telephones	1								
	Hand Dryers	4	One Men's = Either Sex							
	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	4	Porcelain							
	Interior Waste Receptacles	4								
	Vault Toilets	0								
	Hand Dryers	4	One Women's = Either Sex							
Women's	Sinks (i.e., stainless, ceramic porcelain, other)	4	Porcelain							
Restroom	Flush Toilets (i.e., stainless, ceramic porcelain, other)	4	Porcelain							
	Interior Waste Receptacles	4								
	Vault Toilets	0								

	Site Inventory									
Location:	Teton River North RA									
Date:	te: 5/17/2018									
Inspector:	C. DeVerniero									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	18								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	9								
	Exterior Light Poles	9								
	Exterior Light Fixtures (Attached to Building)	2								
	Picnic Shelters with Tables	2								
	Independent Picnic Tables	0								
	Bench Seating (Not Picnic Tables)	2								
	Exterior Waste Receptacles	12								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless							
	Pet Areas	1								
	Historical Interpretive Signs	2								
	Informational/Directional Signage	16								
	Display Cases	2								
	Vending Machines	0								
	Telephones	0								
	Hand Dryers	2								
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Porcelain							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Porcelain							
	Interior Waste Receptacles	1								
	Vault Toilets	0								
	Hand Dryers	2								
Mamaria	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain							
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain							
Restroom	Interior Waste Receptacles	4								
	Vault Toilets	0								

	Site Inventory									
Location:	Teton River South RA									
Date:	ate: 5/17/2018									
Inspector:	C. DeVerniero									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	20								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	10								
	Exterior Light Poles	9								
	Exterior Light Fixtures (Attached to Building)	2								
	Picnic Shelters with Tables	2								
	Independent Picnic Tables	0								
	Bench Seating (Not Picnic Tables)	2								
	Exterior Waste Receptacles	12								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless							
	Pet Areas	1								
	Historical Interpretive Signs	2								
	Informational/Directional Signage	16								
	Display Cases	2								
	Vending Machines	0								
	Telephones	0								
	Hand Dryers	2								
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Porcelain							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Porcelain							
	Interior Waste Receptacles	1								
	Vault Toilets	0								
	Hand Dryers	2								
Mamaria	Sinks (i.e., stainless, ceramic porcelain, other)	1	Porcelain							
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Porcelain							
Restroom	Interior Waste Receptacles	4								
	Vault Toilets	0								

	Site Inventory									
Location:	Troy RA									
Date:	Date: 5/16/2018									
Inspector:	C. DeVerniero									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	24								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	5								
	Exterior Light Poles	14								
	Exterior Light Fixtures (Attached to Building)	3								
	Picnic Shelters with Tables	2								
	Independent Picnic Tables	0								
	Bench Seating (Not Picnic Tables)	3								
	Exterior Waste Receptacles	9								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	1	Stone and Stainless							
	Pet Areas	1								
	Historical Interpretive Signs	0								
	Informational/Directional Signage	10								
	Display Cases	3								
	Vending Machines	0								
	Telephones	0								
	Hand Dryers	2								
	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless							
	Interior Waste Receptacles	1								
	Vault Toilets	0								
	Hand Dryers	2								
14/0-00-0-0-1-	Sinks (i.e., stainless, ceramic porcelain, other)	2	Stainless							
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	3	Stainless							
Restroom	Interior Waste Receptacles	4								
	Vault Toilets	0								

	Site Inventory									
Location:	Vandalia RA									
Date:	2: 10/26/2017									
Inspector:	J. Potts									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	14								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	3								
	Exterior Light Poles	3								
	Exterior Light Fixtures (Attached to Building)	4								
	Picnic Shelters with Tables	3								
	Independent Picnic Tables	0								
	Bench Seating (Not Picnic Tables)	3								
	Exterior Waste Receptacles	9								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless							
	Pet Areas	0								
	Historical Interpretive Signs	1								
	Informational/Directional Signage	1								
	Display Cases	4								
	Vending Machines	0								
	Telephones	0								
	Hand Dryers	1								
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Stainless							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless							
	Interior Waste Receptacles	0								
	Vault Toilets	0								
	Hand Dryers	1								
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless							
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless							
Restroom	Interior Waste Receptacles	1								
	Vault Toilets	0								

	Site Inventory									
Location:	Vista Point PA									
Date:	5/29/2018									
Inspector:	J. Potts									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	20								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	5								
	Exterior Light Poles	2								
	Exterior Light Fixtures (Attached to Building)	0								
	Picnic Shelters with Tables	0								
	Independent Picnic Tables	0								
	Bench Seating (Not Picnic Tables)	0								
	Exterior Waste Receptacles	5								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	0	NA							
	Pet Areas	0								
	Historical Interpretive Signs	1								
	Informational/Directional Signage	2								
	Display Cases	0								
	Vending Machines	0								
	Telephones	1								
	Hand Dryers	0								
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	0	NA							
	Interior Waste Receptacles	0								
	Vault Toilets	3								
	Hand Dryers	0								
	Sinks (i.e., stainless, ceramic porcelain, other)	0	NA							
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	0	NA							
Restroom	Interior Waste Receptacles	0								
	Vault Toilets	3								

	Site Inventory									
Location:	Wibaux RA									
Date:	te: 10/26/2017									
Inspector:	J. Potts									
Element		Number	Туре							
	Passenger Vehicle Parking Stalls	27								
Parking	ADA Vehicle Parking Stalls	2								
	Commercial Vehicle Parking Stalls	8								
	Exterior Light Poles	5								
	Exterior Light Fixtures (Attached to Building)	9								
	Picnic Shelters with Tables	2								
	Independent Picnic Tables	0								
	Bench Seating (Not Picnic Tables)	3								
	Exterior Waste Receptacles	12								
Site Amenities	Drinking Fountains (i.e., stainless, ceramic porcelain, other)	2	Stainless							
	Pet Areas	1								
	Historical Interpretive Signs	6								
	Informational/Directional Signage	3								
	Display Cases	2								
	Vending Machines	0								
	Telephones	1								
	Hand Dryers	1								
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless							
Men's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	1	Stainless							
Restroom	Urinals (i.e., stainless, ceramic porcelain, other)	1	Stainless							
	Interior Waste Receptacles	1								
	Vault Toilets	0								
	Hand Dryers	1								
	Sinks (i.e., stainless, ceramic porcelain, other)	1	Stainless							
women's	Flush Toilets (i.e., stainless, ceramic porcelain, other)	2	Stainless							
Restroom	Interior Waste Receptacles	3								
	Vault Toilets	0								

Attachment 4

REST AREA AGE AND SERVICE LIFE

		Year of Original	Year of Last	Structure	Pavement	F	Remaining	Service Lit	fe
Dept Area		Construction (or	Significant	Age in	Age in	Pave	ment	Stru	cture
	Rest Area	Reconstruction/	Pavement	2018	2018	DL =	20	DL =	50
		Rehabilitation)	Treatment	(Years)	(Years)	Years	Score	Years	Score
1	Anaconda Rest Area	2008	2008	10	10	10	Fair	40	Good
2	Armington Junction Rest Area	1967	1998	51	20	0	Poor	-1	Poor
3	Bad Route Rest Area	1973	1998	45	20	0	Poor	5	Poor
4	Bearmouth Rest Area	2014	2014	4	4	16	Excellent	46	Excellent
5	Bozeman Rest Area	2000	2000	18	18	2	Poor	32	Good
6	Bridger Rest Area	1989	2005	29	13	7	Fair	21	Fair
7	Broadus Rest Area	1987	2004	31	14	6	Fair	19	Fair
8	Clearwater Junction Rest Area	1999	2005	19	13	7	Fair	31	Good
9	Columbus Rest Area	2016	2016	2	2	18	Excellent	48	Excellent
10	Conrad Rest Area	2012	2012	6	6	14	Good	44	Good
11	Culbertson Rest Area	1998	1998	20	20	0	Poor	30	Good
12	Custer Rest Area	1975	2010	43	8	12	Good	7	Poor
13	Dearborn Rest Area	2012	2012	6	6	14	Good	44	Good
14	Dena Mora Rest Area	2013	2004	5	14	6	Fair	45	Excellent
15	Divide Rest Area	2015	2015	3	3	17	Excellent	47	Excellent
16	Emigrant Rest Area	1989	2017	29	1	19	Excellent	21	Fair
17	Flowing Wells Rest Area	2014	2014	4	4	16	Excellent	46	Excellent
18	Gold Creek Rest Area*	1973	1998	45	20	0	Poor	5	Poor
19	Greycliff Rest Area	2013	2013	5	5	15	Good	45	Excellent
20	Hardin Rest Area	1972	2009	46	9	11	Good	4	Poor
21	Harlowton Rest Area	2012	2012	6	6	14	Good	44	Good
22	Hathaway Rest Area	1963	1998	55	20	0	Poor	-5	Poor
23	Hysham Rest Area	2018	2018	0	0	20	Excellent	50	Excellent
24	Jefferson City Rest Area	1972	1998	46	20	0	Poor	4	Poor
25	Lima Rest Area	2010	2010	8	8	12	Good	42	Good
26	Lost Trail Pass Rest Area	2001	2001	17	17	3	Poor	33	Good
27	Mosby Rest Area	2005	2005	13	13	7	Fair	37	Good
28	Quartz Flats Rest Area	1967	2016	51	2	18	Excellent	-1	Poor
29	Raynolds Pass Rest Area	2015	2015	3	3	17	Excellent	47	Excellent
30	Roberts Rest Area	1968	1998	50	20	0	Poor	0	Poor
31	Sweet Grass Rest Area	2002	2002	16	16	4	Poor	34	Good
32	Teton River Rest Area	2014	2014	4	4	16	Excellent	46	Excellent
33	Troy Rest Area	1991	1998	27	20	0	Poor	23	Fair
34	Vandalia Rest Area	1967	1998	51	20	0	Poor	-1	Poor
35	Wibaux Rest Area	1998	2009	20	9	11	Good	30	Good

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019). DL = Design Life (Years)

Rest Area	Year of Original Construction (or Reconstruction/ Rehabilitation)	Year of Last Significant Pavement Treatment	Structure Age in 2018 (Years)
Hathaway Rest Area	1963	1998	55
Armington Junction Rest Area	1967	1998	51
Quartz Flats Rest Area	1967	2016	51
Vandalia Rest Area	1967	1998	51
Roberts Rest Area	1968	1998	50
Hardin Rest Area	1972	2009	46
Jefferson City Rest Area	1972	1998	46
Bad Route Rest Area	1973	1998	45
Gold Creek Rest Area*	1973	1998	45
Custer Rest Area	1975	2010	43
Broadus Rest Area	1987	2004	31
Bridger Rest Area	1989	2005	29
Emigrant Rest Area	1989	2017	29
Troy Rest Area	1991	1998	27
Culbertson Rest Area	1998	1998	20
Wibaux Rest Area	1998	2009	20
Clearwater Junction Rest Area	1999	2005	19
Bozeman Rest Area	2000	2000	18
Lost Trail Pass Rest Area	2001	2001	17
Sweet Grass Rest Area	2002	2002	16
Mosby Rest Area	2005	2005	13
Anaconda Rest Area	2008	2008	10
Lima Rest Area	2010	2010	8
Conrad Rest Area	2012	2012	6
Dearborn Rest Area	2012	2012	6
Harlowton Rest Area	2012	2012	6
Dena Mora Rest Area	2013	2004	5
Greycliff Rest Area	2013	2013	5
Bearmouth Rest Area	2014	2014	4
Flowing Wells Rest Area	2014	2014	4
Teton River Rest Area	2014	2014	4
Divide Rest Area	2015	2015	3
Raynolds Pass Rest Area	2015	2015	3
Columbus Rest Area	2016	2016	2
Hysham Rest Area	2018	2018	0

		Year of Last	Pavement
	Rest Area	Significant	Age in
		Pavement	2018
		Treatment	(Years)
1	Armington Junction Rest Area	1998	20
2	Bad Route Rest Area	1998	20
3	Culbertson Rest Area	1998	20
4	Gold Creek Rest Area*	1998	20
5	Hathaway Rest Area	1998	20
6	Jefferson City Rest Area	1998	20
7	Roberts Rest Area	1998	20
8	Troy Rest Area	1998	20
9	Vandalia Rest Area	1998	20
10	Bozeman Rest Area	2000	18
11	Lost Trail Pass Rest Area	2001	17
12	Sweet Grass Rest Area	2002	16
13	Broadus Rest Area	2004	14
14	Dena Mora Rest Area	2004	14
15	Bridger Rest Area	2005	13
16	Clearwater Junction Rest Area	2005	13
17	Mosby Rest Area	2005	13
18	Anaconda Rest Area	2008	10
19	Hardin Rest Area	2009	9
20	Wibaux Rest Area	2009	9
21	Custer Rest Area	2010	8
22	Lima Rest Area	2010	8
23	Conrad Rest Area	2012	6
24	Dearborn Rest Area	2012	6
25	Harlowton Rest Area	2012	6
26	Greycliff Rest Area	2013	5
27	Bearmouth Rest Area	2014	4
28	Flowing Wells Rest Area	2014	4
29	Teton River Rest Area	2014	4
30	Divide Rest Area	2015	3
31	Raynolds Pass Rest Area	2015	3
32	Columbus Rest Area	2016	2
33	Quartz Flats Rest Area	2016	2
34	Emigrant Rest Area	2017	1
35	Hysham Rest Area	2018	0

Attachment 5

PARKING/RESTROOM STALL DEMAND CALCULATIONS

Anaconda Rest Area - 90th Percentile Door Count									
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes
	90th Percentile Door Count	PDD	2,716	2,716	3,471	3,471	4,435	4,435	PDD = PDP*2
	90th Percentile Daily People	PDP	1,358	1,358	1,736	1,736	2,218	2,218	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)
	Average Annual Daily Traffic	AADT	7,592	7,592	9,702	9,702	12,397	12,397	Average of Traffic Count Sites 12-1-002, 12-1-003, & 12-1B-001
	Average Annual Daily Traffic (Trucks)	AADT _t	1,108	1,108	1,416	1,416	1,809	1,809	Average of Traffic Count Sites 12-1-002, 12-1-003 & 12-1B-001 (Vehicle Class types 4-13) * AADT
	Peak Hour Volume	PHV	578	229	739	292	944	373	Average of Traffic Count Sites 12-1-002, 12-1-003, & 12-1B-001
	Peak Day Peak Hour People	PHP	103	41	132	52	169	67	PHP = PDP * (PHV / AADT)
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	69	27	88	35	113	45	$PHV_p = PHP_p / UV$
DAIA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	84.60%	84.60%	84.60%	84.60%	84.60%	84.60%	Average of Traffic Count Sites 12-1-002, 12-1-003 & 12-1B-001 (Vehicle Class types 1-3)
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	10.22%	29.19%	10.22%	29.19%	10.22%	29.19%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0
	Number of Cars Stopping at Rest Area	D _c	59	24	75	30	96	38	$D_c = D_{c\%} * PHV_p$
	Number of Trucks Stopping at Rest Area	Dt	8	8	9	11	12	13	$D_t = D_{t\%} * PHV_p$
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	67	32	84	41	108	51	$D_2 = D_c + D_t$
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Grevcliff (East) Rest Area
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	11	NA	14	NA	18	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	25	NA	32	NA	41	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$
RECOMMENDED	Total Restroom Stalls	Т	4	NA	5	NA	6	NA	$T = (UV * D_2) / 30$
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	3	NA	4	NA	$T_{w} = T * 0.6$
STALLS	Total Restroom Stalls - Men	Tm	2	NA	2	NA	2	NA	$T_{m} = T * 0.4$

Armington Junction Rest Area - 90th Percentile Door Count									
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes
	90th Percentile Door Count	PDD	1,430	1,430	1,745	1,745	2,129	2,129	PDD = PDP*2
	90th Percentile Daily People	PDP	715	715	872	872	1,065	1,065	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)
	Average Annual Daily Traffic	AADT	1,710	1,710	2,087	2,087	2,546	2,546	Average of Traffic Count Sites 07-2-020, 07-2-019, & 07-2-021
	Average Annual Daily Traffic (Trucks)	AADT _t	260	260	317	317	387	387	Average of Traffic Count Sites 07-2-020, 07-2-019, & 07-2-021 (Vehicle Class types 4-13) * AADT
	Peak Hour Volume	PHV	172	30	209	36	256	44	Average of Traffic Count Sites 07-2-020, 07-2-019, & 07-2-021
	Peak Day Peak Hour People	PHP	72	12	88	15	107	18	PHP = PDP * (PHV / AADT)
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	48	8	58	10	71	12	$PHV_p = PHP_p / UV$
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	83.97%	83.97%	83.97%	83.97%	83.97%	83.97%	Average of Traffic Count Sites 07-2-020, 07-2-019, & 07-2-021 (Vehicle Class types 1-3)
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	10.64%	30.40%	10.64%	30.40%	10.64%	30.40%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0
	Number of Cars Stopping at Rest Area	D _c	41	7	50	9	60	11	$D_c = D_{c\%} * PHV_p$
	Number of Trucks Stopping at Rest Area	Dt	6	3	7	4	8	4	$D_t = D_{t\%} * PHV_p$
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	47	10	57	13	68	15	$D_2 = D_{c} + D_{t}$
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater Junction Rest Area
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	7	NA	9	NA	10	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	5	NA	5	NA	6	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$
RECOMMENDED	Total Restroom Stalls	Т	3	NA	3	NA	4	NA	$T = (UV * D_2) / 30$
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	2	NA	$T_{w} = T * 0.6$
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	$T_{m} = T * 0.4$

	Bad Route Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	1,477	1,477	2,282	2,282	3,527	3,527	PDD = PDP*2			
	90th Percentile Daily People	PDP	739	739	1,141	1,141	1,764	1,764	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	4,297	4,297	6,640	6,640	10,261	10,261	Average of Traffic Count Sites 40-2-003 & 11-4-001			
	Average Annual Daily Traffic (Trucks)	AADT _t	1,268	1,268	1,959	1,959	3,027	3,027	Average of Traffic Count Sites 40-2-003 & 11-4-001 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	326	82	504	126	778	195	Average of Traffic Count Sites 40-2-003 & 11-4-001			
	Peak Day Peak Hour People	PHP	56	14	87	22	134	34	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	37	9	58	14	89	22	$PHV_p = PHP_p / UV$			
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	69.40%	69.40%	69.40%	69.40%	69.40%	69.40%	Average of Traffic Count Sites 40-2-003 & 11-4-001 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	20.65%	59.00%	20.65%	59.00%	20.65%	59.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	D _c	26	7	41	11	62	16	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	8	6	12	9	19	14	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	34	13	53	20	81	30	$D_2 = D_{c} + D_{t}$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Goumbound) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	8	NA	12	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	19	NA	29	NA	45	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	2	NA	3	NA	5	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	2	NA	3	NA	T _w = T * 0.6			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	$T_m = T * 0.4$			

	Bearmouth (East) Rest Area - 90th Percentile Door Count												
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes				
	90th Percentile Door Count	PDD	1,816	1,816	2,216	2,216	2,704	2,704	PDD = PDP*2				
	90th Percentile Daily People	PDP	908	908	1,108	1,108	1,352	1,352	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)				
	Average Annual Daily Traffic	AADT	9,241	9,241	11,276	11,276	13,759	13,759	Average of Traffic Count Site 20-1-007				
	Average Annual Daily Traffic (Trucks)	AADT _t	2,239	2,239	2,732	2,732	3,334	3,334	Average of Traffic Count Site 20-1-007 (Vehicle Class types 4-13) * AADT				
	Peak Hour Volume	PHV	512	146	625	178	762	217	Average of Traffic Count Site 20-1-007				
	Peak Day Peak Hour People	PHP	50	14	61	18	75	21	PHP = PDP * (PHV / AADT)				
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	34	10	41	12	50	14	$PHV_p = PHP_p / UV$				
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	74.10%	74.10%	74.10%	74.10%	74.10%	74.10%	Average of Traffic Count Sites 20-1-007 (Vehicle Class types 1-3)				
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.96%	48.46%	16.96%	48.46%	16.96%	48.46%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0				
	Number of Cars Stopping at Rest Area	Dc	25	8	31	9	38	11	$D_c = D_{c\%} * PHV_p$				
	Number of Trucks Stopping at Rest Area	Dt	6	5	7	6	9	7	$D_t = D_{t\%} * PHV_p$				
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	31	13	38	15	47	18	$D_2 = D_{c} + D_{t}$				
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greveliff (East) Rest Area				
	Average Dwell Time for Trucks (Minutes)	VHS _t	34	188	34	188	34	188					
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9				
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	6	NA	7	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$				
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	15	NA	18	NA	22	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$				
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$				
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	$T_{w} = T * 0.6$				
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$				

	Bearmouth (West) Rest Area - 90th Percentile Door Count												
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes				
	90th Percentile Door Count	PDD	2,461	2,461	3,003	3,003	3,664	3,664	PDD = PDP*2				
	90th Percentile Daily People	PDP	1,230	1,230	1,501	1,501	1,832	1,832	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)				
	Average Annual Daily Traffic	AADT	9,241	9,241	11,276	11,276	13,759	13,759	Average of Traffic Count Site 20-1-007				
	Average Annual Daily Traffic (Trucks)	AADT _t	2,239	2,239	2,732	2,732	3,334	3,334	Average of Traffic Count Site 20-1-007 (Vehicle Class types 4-13) * AADT				
	Peak Hour Volume	PHV	512	146	625	178	762	217	Average of Traffic Count Site 20-1-007				
	Peak Day Peak Hour People	PHP	68	19	83	24	101	29	PHP = PDP * (PHV / AADT)				
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	45	13	55	16	68	19	$PHV_p = PHP_p / UV$				
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	74.10%	74.10%	74.10%	74.10%	74.10%	74.10%	Average of Traffic Count Sites 20-1-007 (Vehicle Class types 1-3)				
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.96%	48.46%	16.96%	48.46%	16.96%	48.46%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0				
	Number of Cars Stopping at Rest Area	Dc	34	10	42	12	51	15	$D_c = D_{c\%} * PHV_p$				
	Number of Trucks Stopping at Rest Area	Dt	8	7	10	8	12	10	$D_t = D_{t\%} * PHV_p$				
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	42	17	52	20	63	25	$D_2 = D_c + D_t$				
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greycliff (East) Rest Area				
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research non Oreycan (Last) Rest Area				
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9				
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	7	NA	8	NA	10	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$				
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	20	NA	25	NA	30	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$				
RECOMMENDED	Total Restroom Stalls	Т	3	NA	3	NA	4	NA	$T = (UV * D_2) / 30$				
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	2	NA	$T_{w} = T * 0.6$				
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	$T_{m} = T * 0.4$				

	Bozeman Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	1,668	1,668	2,842	2,842	4,842	4,842	PDD = PDP*2			
	90th Percentile Daily People	PDP	834	834	1,421	1,421	2,421	2,421	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	27,337	27,337	46,576	46,576	79,354	79,354	Average of Traffic Count Sites 16-3A-039 & 16-3A-001			
	Average Annual Daily Traffic (Trucks)	AADT _t	4,524	4,524	7,708	7,708	13,133	13,133	Average of Traffic Count Sites 16-3A-039 & 16-3A-001 (Vehicle Class types 4- 13) * AADT			
	Peak Hour Volume	PHV	2,025	951	3,449	1,620	5,877	2,761	Average of Traffic Count Sites 16-3A-039 & 16-3A-001			
	Peak Day Peak Hour People	PHP	62	29	105	49	179	84	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	41	19	70	33	120	56	$PHV_p = PHP_p / UV$			
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	82.70%	82.70%	82.70%	82.70%	82.70%	82.70%	Average of Traffic Count Sites 16-3A-039 & 16-3A-001 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	11.59%	33.10%	11.59%	33.10%	11.59%	33.10%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	D _c	35	16	59	28	99	47	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	5	7	9	11	14	19	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	40	23	68	39	113	66	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Possarch from Groupliff (East) Post Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research nom Greychin (Last) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	7	NA	11	NA	19	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	21	NA	35	NA	59	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	2	NA	4	NA	6	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	2	NA	4	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	2	NA	2	NA	$T_{m} = T * 0.4$			

	Bridger Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	623	623	872	872	1,222	1,222	PDD = PDP*2			
	90th Percentile Daily People	PDP	311	311	436	436	611	611	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	4,077	4,077	5,712	5,712	8,002	8,002	Average of Traffic Count Site 05-3-024			
	Average Annual Daily Traffic (Trucks)	AADTt	552	552	773	773	1,083	1,083	Average of Traffic Count Site 05-3-024 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	313	147	438	206	614	289	Average of Traffic Count Site 05-3-024			
	Peak Day Peak Hour People	PHP	24	11	33	16	47	22	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	16	7	22	10	31	15	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	85.60%	85.60%	85.60%	85.60%	85.60%	85.60%	Average of Traffic Count Site 05-3-024 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	9.48%	27.08%	9.48%	27.08%	9.48%	27.08%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	14	7	20	9	27	13	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	2	3	3	3	3	4	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	16	10	23	12	30	17	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater, Junction Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom clearwater sunction riest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	5	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	4	NA	5	NA	7	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$			

	Broadus Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	488	488	710	710	1,014	1,014	PDD = PDP*2			
	90th Percentile Daily People	PDP	244	244	355	355	507	507	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	2,770	2,770	4,029	4,029	5,756	5,756	US 212, North and South of Broadus RA			
	Average Annual Daily Traffic (Trucks)	AADT _t	804	804	1,170	1,170	1,671	1,671	US 212, North and South of Broadus RA (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	228	63	332	92	474	131	Average of Traffic Count Site 38-2-004			
	Peak Day Peak Hour People	PHP	20	6	29	8	42	12	PHP = PDP * (PHV / AADT)			
	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	13	4	19	5	28	8	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	70.50%	70.50%	70.50%	70.50%	70.50%	70.50%	US 212, North and South of Broadus RA (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	20.32%	58.06%	20.32%	58.06%	20.32%	58.06%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	D _c	10	3	14	4	20	6	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	3	3	4	4	6	5	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	13	6	18	8	26	11	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater, Junction Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96				
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	2	NA	3	NA	4	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	4	NA	5	NA	8	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	2	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$			

	Clearwater Junction Rest Area - 90th Percentile Door Count												
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes				
	90th Percentile Door Count	PDD	1,613	1,613	2,116	2,116	2,776	2,776	PDD = PDP*2				
	90th Percentile Daily People	PDP	807	807	1,058	1,058	1,388	1,388	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)				
	Average Annual Daily Traffic	AADT	2,588	2,588	3,396	3,396	4,455	4,455	Average of Traffic Count Sites 32-4-003, 32-4-004, & 32-4-005				
	Average Annual Daily Traffic (Trucks)	AADT _t	409	409	537	537	705	705	Average of Traffic Count Sites 32-4-003, 32-4-004, & 32-4-005 (Vehicle Class types 4-13) * AADT				
	Peak Hour Volume	PHV	210	37	276	49	362	64	Average of Traffic Count Sites 32-4-003, 32-4-004, & 32-4-005				
	Peak Day Peak Hour People	PHP	66	12	86	15	113	20	PHP = PDP * (PHV / AADT)				
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	44	8	57	10	75	13	$PHV_{p} = PHP_{p}/UV$				
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	86.77%	86.77%	86.77%	86.77%	86.77%	86.77%	Average of Traffic Count Sites 32-4-003, 32-4-004, & 32-4-005 (Vehicle Class types 1-3)				
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	11.07%	31.64%	11.07%	31.64%	11.07%	31.64%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0				
	Number of Cars Stopping at Rest Area	Dc	38	7	50	9	66	12	$D_c = D_{c\%} * PHV_p$				
	Number of Trucks Stopping at Rest Area	Dt	5	3	7	4	9	5	$D_t = D_{t\%} * PHV_p$				
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	43	10	57	13	75	17	$D_2 = D_c + D_t$				
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater Junction Rest Area				
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom clearwater sunction riest Area				
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9				
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	7	NA	9	NA	11	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$				
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	4	NA	6	NA	7	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$				
RECOMMENDED	Total Restroom Stalls	Т	3	NA	3	NA	4	NA	$T = (UV * D_2) / 30$				
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	2	NA	T _w = T * 0.6				
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	$T_{m} = T * 0.4$				

	Columbus (East) Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	Average Annual Daily Traffic	AADT	11,699	11,699	19,170	19,170	31,413	31,413	Traffic Count Site 48-2-002			
	Average Annual Daily Traffic (Trucks)	AADT _t	2,819	2,819	4,620	4,620	7,570	7,570	Traffic Count Site 48-2-002			
	Peak Hour Volume	PHV	880	192	1,443	314	2,364	515	Traffic Count Site 48-2-002			
	Proportion of Mainline Traffic Stopping at Rest Area	Р	0.11	0.11	0.11	0.11	0.11	0.11	P = [(ASDD / 2) / UV] / AADT			
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	94	21	153	34	251	55	D ₁ = PHV * P			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	72.60%	72.60%	72.60%	72.60%	72.60%	72.60%	Traffic Count Site 48-2-002 (Vehicle Class types 1-3)			
DAIA	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.87%	48.20%	16.87%	48.20%	16.87%	48.20%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	D _c	68	15	111	25	182	40	$D_{c} = D_{c\%} * D_{1}$			
	Number of Trucks Stopping at Rest Area	Dt	16	10	26	16	42	27	$D_{t} = D_{t\%} * D_{1}$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	84	25	137	41	224	67	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Bassarah from Craveliff (East) Bast Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research non Oreycan (Last) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	13	NA	21	NA	34	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	9	31	15	51	24	83	$N_t = (PHV * P * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	5	NA	7	NA	12	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	3	NA	4	NA	7	NA	T _w = T * 0.6			
STALLS	Total Restroom Stalls - Men	Tm	2	NA	3	NA	5	NA	$T_{m} = T * 0.4$			
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	9	NA	14	NA	23	NA	$PT = (N_{c \ (Day)} + N_{t \ (Day)}) * 0.4$			
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	7	NA	11	NA	17	NA	$R = (N_{c(D_{ay)}} + N_{t(D_{ay)}}) * 0.3$			

	Columbus (West) Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	Average Annual Daily Traffic	AADT	11,699	11,699	19,170	19,170	31,413	31,413	Traffic Count Site 48-2-002			
	Average Annual Daily Traffic (Trucks)	AADT _t	2,819	2,819	4,620	4,620	7,570	7,570	Traffic Count Site 48-2-002			
	Peak Hour Volume	PHV	880	192	1,443	314	2,364	515	Traffic Count Site 48-2-002			
	Proportion of Mainline Traffic Stopping at Rest Area	Р	0.08	0.08	0.08	0.08	0.08	0.08	P = [(ASDD / 2) / UV] / AADT			
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	75	17	123	27	201	44	D ₁ = PHV * P			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	72.60%	72.60%	72.60%	72.60%	72.60%	72.60%	Traffic Count Site 48-2-002 (Vehicle Class types 1-3)			
DATA	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.87%	48.20%	16.87%	48.20%	16.87%	48.20%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	D _c	54	12	89	20	146	32	$D_{c} = D_{c\%} * D_{1}$			
	Number of Trucks Stopping at Rest Area	Dt	13	8	21	13	34	21	$D_{t} = D_{t\%} * D_{1}$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	67	20	110	33	180	53	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Desceret from Croupliff (Fast) Dest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research non Oreycan (East) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	10	NA	17	NA	27	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	8	25	12	41	20	66	$N_t = (PHV * P * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	4	NA	6	NA	9	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	4	NA	5	NA	T _w = T * 0.6			
STALLS	Total Restroom Stalls - Men	Tm	2	NA	2	NA	4	NA	$T_{m} = T * 0.4$			
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	7	NA	12	NA	19	NA	$PT = (N_{c (Day)} + N_{t (Day)}) * 0.4$			
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	5	NA	9	NA	14	NA	$R = (N_{c(Day)} + N_{t(Day)}) * 0.3$			

			Co	nrad Rest Area -	90th Percentile	Door Count					
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	649	649	792	792	967	967	PDD = PDP*2		
	90th Percentile Daily People	PDP	325	325	396	396	483	483	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	3,293	3,293	4,018	4,018	4,903	4,903	Average of Traffic Count Sites 37-3-001 & 37-3-002		
	Average Annual Daily Traffic (Trucks)	AADT _t	771	771	940	940	1,147	1,147	Average of Traffic Count Sites 37-3-001 & 37-3-002 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	226	67	275	82	336	100	Average of Traffic Count Sites 37-3-001 & 37-3-002		
	Peak Day Peak Hour People	PHP	22	7	27	8	33	10	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	15	4	18	5	22	7	$PHV_p = PHP_p / UV$		
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	76.00%	76.00%	76.00%	76.00%	76.00%	76.00%	Average of Traffic Count Sites 37-3-001 & 37-3-002 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.38%	46.80%	16.38%	46.80%	16.38%	46.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	12	4	14	5	17	5	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	3	3	3	3	4	4	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	15	7	17	8	21	9	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Goumbound) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	3	NA	4	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	7	NA	9	NA	11	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	2	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		
Culbertson Rest Area - Modified WTI Method											
--------------------------------------------	-----------------------------------------------------------------------------------------	-------------------	------------------------	--------------------------	----------------------	------------------------	----------------------	------------------------	----------------------------------------------------------------------------------------------------	--	--
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	1,924	1,924	2,695	2,695	3,776	3,776	Traffic Count Site 43-5-025		
	Average Annual Daily Traffic (Trucks)	AADT _t	302	302	423	423	593	593	Traffic Count Site 43-5-025		
	Peak Hour Volume	PHV	138	81	193	113	271	159	Traffic Count Site 43-5-025		
	Proportion of Mainline Traffic Stopping at Rest Area	Р	0.03	0.03	0.03	0.03	0.03	0.03	P = [(ASDD / 2) / UV] / AADT		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	5	3	7	4	10	6	D ₁ = PHV * P		
ΠΑΤΑ	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	84.30%	84.30%	84.30%	84.30%	84.30%	84.30%	Traffic Count Site 43-5-025 (Vehicle Class types 1-3)		
Pain	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	10.99%	31.40%	10.99%	31.40%	10.99%	31.40%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	4	3	6	3	8	5	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	Dt	1	1	1	1	1	2	$D_{t} = D_{t\%} * D_{1}$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	5	4	7	4	9	7	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greycliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research nom oreyclin (East) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	1	NA	2	NA	2	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	1	3	1	4	1	6	$N_t = (PHV * P * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	1	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	0	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	1	NA	1	NA	1	NA	$PT = (N_{c (Day)} + N_{t (Day)}) * 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	1	NA	1	NA	1	NA	$R = (N_{c(Day)} + N_{t(Day)}) * 0.3$		

	Custer (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	822	822	1,129	1,129	1,551	1,551	PDD = PDP*2			
	90th Percentile Daily People	PDP	411	411	565	565	776	776	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	4,588	4,588	6,302	6,302	8,657	8,657	Average of Traffic Count Site 56-3-002			
	Average Annual Daily Traffic (Trucks)	AADTt	1,285	1,285	1,765	1,765	2,424	2,424	Average of Traffic Count Site 56-3-002 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	341	152	468	209	643	287	Average of Traffic Count Site 56-3-002			
	Peak Day Peak Hour People	PHP	31	14	42	19	58	26	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	20	9	28	12	38	17	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	71.60%	71.60%	71.60%	71.60%	71.60%	71.60%	Average of Traffic Count Site 56-3-002 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	19.60%	56.00%	19.60%	56.00%	19.60%	56.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	15	7	21	9	28	13	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	4	6	6	7	8	10	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	19	13	27	16	36	23	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Goumbound) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	6	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	18	NA	24	NA	33	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	T _m = T * 0.4			

Custer (West) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	954	954	1,311	1,311	1,801	1,801	PDD = PDP*2		
	90th Percentile Daily People	PDP	477	477	656	656	900	900	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	4,588	4,588	6,302	6,302	8,657	8,657	Average of Traffic Count Site 56-3-002		
	Average Annual Daily Traffic (Trucks)	AADTt	1,285	1,285	1,765	1,765	2,424	2,424	Average of Traffic Count Site 56-3-002 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	341	152	468	209	643	287	Average of Traffic Count Site 56-3-002		
	Peak Day Peak Hour People	PHP	35	16	49	22	67	30	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	24	11	32	14	45	20	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	71.60%	71.60%	71.60%	71.60%	71.60%	71.60%	Average of Traffic Count Site 56-3-002 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	19.60%	56.00%	19.60%	56.00%	19.60%	56.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	17	8	24	11	32	15	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	5	6	7	9	9	12	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	22	14	31	20	41	27	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Goumbound) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	4	NA	5	NA	6	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	20	NA	28	NA	38	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Dearborn (South) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	1,088	1,088	1,327	1,327	1,620	1,620	PDD = PDP*2		
	90th Percentile Daily People	PDP	544	544	664	664	810	810	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	4,044	4,044	4,934	4,934	6,021	6,021	Average of Traffic Count Site 25-5-003		
	Average Annual Daily Traffic (Trucks)	AADTt	865	865	1,056	1,056	1,288	1,288	Average of Traffic Count Site 25-5-003 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	327	105	399	128	487	156	Average of Traffic Count Site 25-5-003		
	Peak Day Peak Hour People	PHP	44	14	54	17	65	21	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	29	9	36	11	44	14	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	75.60%	75.60%	75.60%	75.60%	75.60%	75.60%	Average of Traffic Count Site 25-5-003 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	14.98%	42.80%	14.98%	42.80%	14.98%	42.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	23	8	28	9	34	11	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	5	5	6	5	7	6	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	28	13	34	14	41	17	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	5	NA	7	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	14	NA	17	NA	21	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Dearborn (South) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	956	956	1,166	1,166	1,423	1,423	PDD = PDP*2		
	90th Percentile Daily People	PDP	478	478	583	583	711	711	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	4,044	4,044	4,934	4,934	6,021	6,021	Average of Traffic Count Site 25-5-003		
	Average Annual Daily Traffic (Trucks)	AADT _t	865	865	1,056	1,056	1,288	1,288	Average of Traffic Count Site 25-5-003 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	327	105	399	128	487	156	Average of Traffic Count Site 25-5-003		
	Peak Day Peak Hour People	PHP	39	12	47	15	58	18	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	26	8	31	10	38	12	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	75.60%	75.60%	75.60%	75.60%	75.60%	75.60%	Average of Traffic Count Site 25-5-003 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	14.98%	42.80%	14.98%	42.80%	14.98%	42.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	20	7	24	8	29	10	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	4	4	5	5	6	6	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	24	11	29	13	35	16	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	4	NA	5	NA	6	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	12	NA	15	NA	18	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	2	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

	Dena Mora (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	3,444	3,444	4,372	4,372	5,551	5,551	PDD = PDP*2			
	90th Percentile Daily People	PDP	1,722	1,722	2,186	2,186	2,775	2,775	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	7,431	7,431	9,433	9,433	11,975	11,975	Average of Traffic Count Site 31-1-001			
	Average Annual Daily Traffic (Trucks)	AADTt	2,096	2,096	2,660	2,660	3,377	3,377	Average of Traffic Count Site 31-1-001 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	604	91	766	116	973	147	Average of Traffic Count Site 31-1-001			
	Peak Day Peak Hour People	PHP	140	21	178	27	225	34	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	93	14	118	18	150	23	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	Average of Traffic Count Site 31-1-001 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	19.74%	56.40%	19.74%	56.40%	19.74%	56.40%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	64	10	81	13	103	16	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	19	8	24	11	30	13	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	83	18	105	24	133	29	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Grevcliff (East) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188				
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	12	NA	15	NA	19	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	25	NA	32	NA	41	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	5	NA	6	NA	7	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	3	NA	4	NA	4	NA	T _w = T * 0.6			
STALLS	Total Restroom Stalls - Men	Tm	2	NA	2	NA	3	NA	$T_{m} = T * 0.4$			

	Dena Mora (West) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	2,581	2,581	3,276	3,276	4,159	4,159	PDD = PDP*2			
	90th Percentile Daily People	PDP	1,291	1,291	1,638	1,638	2,080	2,080	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	7,431	7,431	9,433	9,433	11,975	11,975	Average of Traffic Count Site 31-1-001			
	Average Annual Daily Traffic (Trucks)	AADT _t	2,096	2,096	2,660	2,660	3,377	3,377	Average of Traffic Count Site 31-1-001 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	604	91	766	116	973	147	Average of Traffic Count Site 31-1-001			
	Peak Day Peak Hour People	PHP	105	16	133	20	169	25	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	70	11	89	13	113	17	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	68.00%	68.00%	68.00%	68.00%	68.00%	68.00%	Average of Traffic Count Site 31-1-001 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	19.74%	56.40%	19.74%	56.40%	19.74%	56.40%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	48	8	61	10	77	12	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	14	6	18	8	23	10	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	62	14	79	18	100	22	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greycliff (East) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research nom Oreycan (East) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	9	NA	12	NA	15	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	19	NA	24	NA	31	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	4	NA	4	NA	5	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	3	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	2	NA	2	NA	2	NA	$T_{m} = T * 0.4$			

	Divide(North) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	832	832	1,077	1,077	1,395	1,395	PDD = PDP*2			
	90th Percentile Daily People	PDP	416	416	539	539	697	697	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	3,821	3,821	4,947	4,947	6,406	6,406	Average of Traffic Count Site 47-2-004			
	Average Annual Daily Traffic (Trucks)	AADT _t	932	932	1,207	1,207	1,563	1,563	Average of Traffic Count Site 47-2-004 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	343	75	444	97	575	126	Average of Traffic Count Site 47-2-004			
	Peak Day Peak Hour People	PHP	37	8	48	11	63	14	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	25	5	32	7	42	9	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	73.90%	73.90%	73.90%	73.90%	73.90%	73.90%	Average of Traffic Count Site 47-2-004 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	17.08%	48.80%	17.08%	48.80%	17.08%	48.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	19	5	24	6	31	7	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	5	3	6	4	8	5	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	24	8	30	10	39	12	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Pasaarch from Divida (Southbound) Post Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	4	NA	5	NA	6	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	9	NA	12	NA	15	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	2	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	T _m = T * 0.4			

Divide(South) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	593	593	768	768	994	994	PDD = PDP*2		
	90th Percentile Daily People	PDP	297	297	384	384	497	497	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	3,821	3,821	4,947	4,947	6,406	6,406	Average of Traffic Count Site 47-2-004		
	Average Annual Daily Traffic (Trucks)	AADT _t	932	932	1,207	1,207	1,563	1,563	Average of Traffic Count Site 47-2-004 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	343	75	444	97	575	126	Average of Traffic Count Site 47-2-004		
	Peak Day Peak Hour People	PHP	27	6	34	8	45	10	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	18	4	23	5	30	7	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	73.90%	73.90%	73.90%	73.90%	73.90%	73.90%	Average of Traffic Count Site 47-2-004 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	17.08%	48.80%	17.08%	48.80%	17.08%	48.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	14	3	17	4	22	5	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	4	2	4	3	6	4	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	18	5	21	7	28	9	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Goumbound) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	5	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	7	NA	9	NA	11	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	T _m = T * 0.4		

	Emigrant Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	839	839	1,024	1,024	1,250	1,250	PDD = PDP*2			
	90th Percentile Daily People	PDP	420	420	512	512	625	625	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	2,068	2,068	2,523	2,523	3,079	3,079	US 89, North and South of Emigrant RA			
	Average Annual Daily Traffic (Trucks)	AADT _t	122	122	149	149	182	182	US 89, North and South of Emigrant RA (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	130	14	158	17	193	21	Average of Traffic Count Site A-020			
	Peak Day Peak Hour People	PHP	26	3	32	3	39	4	PHP = PDP * (PHV / AADT)			
	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	18	2	21	2	26	3	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	93.80%	93.80%	93.80%	93.80%	93.80%	93.80%	US 89, North and South of Emigrant RA (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	4.14%	11.84%	4.14%	11.84%	4.14%	11.84%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	17	2	21	3	25	3	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	1	1	1	1	2	1	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	18	3	22	4	27	4	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater Junction Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96				
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	5	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	1	NA	1	NA	1	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$			

Flowing Wells Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	573	573	699	699	853	853	PDD = PDP*2		
	90th Percentile Daily People	PDP	287	287	350	350	427	427	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	446	446	544	544	664	664	Average of Traffic Count Site 17-5-001		
	Average Annual Daily Traffic (Trucks)	AADTt	66	66	81	81	99	99	Average of Traffic Count Site 17-5-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	38	13	46	16	57	19	Average of Traffic Count Site 17-5-001		
	Peak Day Peak Hour People	PHP	24	8	30	10	36	12	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	16	6	20	7	24	8	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	85.10%	85.10%	85.10%	85.10%	85.10%	85.10%	Average of Traffic Count Site 17-5-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	10.43%	29.80%	10.43%	29.80%	10.43%	29.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	14	5	17	6	21	8	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	2	2	3	3	3	3	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	16	7	20	9	24	11	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater, Junction Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research norn Olearwater Sunction Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	3	NA	4	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	3	NA	4	NA	4	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	2	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

	Gold Creek Rest (East) Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	1,667	1,667	2,075	2,075	2,532	2,532	PDD = PDP*2			
	90th Percentile Daily People	PDP	833	833	1,037	1,037	1,266	1,266	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	8,590	8,590	10,692	10,692	13,046	13,046	Average of Traffic Count Site 39-3-001			
	Average Annual Daily Traffic (Trucks)	AADT _t	2,201	2,201	2,685	2,685	3,277	3,277	Average of Traffic Count Site 39-3-001 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	828	238	1,010	290	1,233	354	Average of Traffic Count Site 39-3-001			
	Peak Day Peak Hour People	PHP	80	23	100	29	122	35	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	54	15	67	19	81	23	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	72.23%	72.23%	72.23%	72.23%	72.23%	72.23%	Average of Traffic Count Site 39-3-001 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	17.93%	51.24%	17.93%	51.24%	17.93%	51.24%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	39	12	49	14	59	17	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	10	8	12	10	15	12	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	49	20	61	24	74	29	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greycliff (East) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research nom Greyenn (East) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	8	NA	9	NA	11	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	25	NA	31	NA	38	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	3	NA	4	NA	4	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	2	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	2	NA	2	NA	$T_{m} = T * 0.\overline{4}$			

¹ Compound Annual Growth Rate = 1.0% *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Gold Creek Rest (East) Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	2,014	2,014	2,507	2,507	3,059	3,059	PDD = PDP*2		
	90th Percentile Daily People	PDP	1,007	1,007	1,253	1,253	1,529	1,529	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	8,590	8,590	10,692	10,692	13,046	13,046	Average of Traffic Count Site 39-3-001		
	Average Annual Daily Traffic (Trucks)	AADT _t	2,201	2,201	2,685	2,685	3,277	3,277	Average of Traffic Count Site 39-3-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	828	238	1,010	290	1,233	354	Average of Traffic Count Site 39-3-001		
	Peak Day Peak Hour People	PHP	97	28	121	35	147	42	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	65	19	81	23	98	28	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	72.23%	72.23%	72.23%	72.23%	72.23%	72.23%	Average of Traffic Count Site 39-3-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	17.93%	51.24%	17.93%	51.24%	17.93%	51.24%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	47	14	59	17	71	21	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	12	10	15	12	18	15	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D_2	59	24	74	29	89	36	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greycliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHS _t	34	188	34	188	34	188	Research nom Greychin (Last) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	9	NA	11	NA	14	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	30	NA	38	NA	46	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	3	NA	4	NA	5	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	3	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	2	NA	2	NA	$T_{m} = T * 0.4$		

¹ Compound Annual Growth Rate = 1.0% *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Greycliff (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	2,284	2,284	3,328	3,328	4,849	4,849	PDD = PDP*2		
	90th Percentile Daily People	PDP	1,142	1,142	1,664	1,664	2,424	2,424	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	9,530	9,530	13,886	13,886	20,233	20,233	Average of Traffic Count Site 49-3-001		
	Average Annual Daily Traffic (Trucks)	AADTt	2,458	2,458	3,581	3,581	5,218	5,218	Average of Traffic Count Site 49-3-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	529	174	771	254	1,123	369	Average of Traffic Count Site 49-3-001		
	Peak Day Peak Hour People	PHP	63	21	92	30	135	44	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	42	14	62	20	90	30	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%	Average of Traffic Count Site 49-3-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	18.05%	51.58%	18.05%	51.58%	18.05%	51.58%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	32	11	46	15	66	22	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	8	8	12	11	17	16	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	40	19	58	26	83	38	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Grevcliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHS _t	34	188	34	188	34	188	Research non creyown (East) Rest fied		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	6	NA	9	NA	13	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	23	NA	33	NA	48	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	3	NA	5	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	2	NA	3	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	$T_{m} = T * 0.4$		

Greycliff (West) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	2,117	2,117	3,085	3,085	4,495	4,495	PDD = PDP*2		
	90th Percentile Daily People	PDP	1,059	1,059	1,542	1,542	2,247	2,247	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	9,530	9,530	13,886	13,886	20,233	20,233	Average of Traffic Count Site 49-3-001		
	Average Annual Daily Traffic (Trucks)	AADTt	2,458	2,458	3,581	3,581	5,218	5,218	Average of Traffic Count Site 49-3-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	529	174	771	254	1,123	369	Average of Traffic Count Site 49-3-001		
	Peak Day Peak Hour People	PHP	59	19	86	28	125	41	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	39	13	57	19	83	27	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%	Average of Traffic Count Site 49-3-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	18.05%	51.58%	18.05%	51.58%	18.05%	51.58%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	29	10	42	14	62	21	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	8	7	11	10	16	15	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	37	17	53	24	78	36	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Grevcliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	6	NA	8	NA	12	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	21	NA	31	NA	45	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	3	NA	4	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	2	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	$T_{m} = T * 0.4$		

Hardin (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	1,419	1,419	1,861	1,861	2,410	2,410	PDD = PDP*2		
	90th Percentile Daily People	PDP	710	710	931	931	1,205	1,205	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	7,280	7,280	9,548	9,548	12,363	12,363	Average of Traffic Count Site 02-1-004		
	Average Annual Daily Traffic (Trucks)	AADT _t	1,623	1,623	2,129	2,129	2,757	2,757	Average of Traffic Count Site 02-1-004 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	577	181	757	237	980	307	Average of Traffic Count Site 02-1-004		
	Peak Day Peak Hour People	PHP	56	18	74	23	95	30	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	37	12	49	15	64	20	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	76.20%	76.20%	76.20%	76.20%	76.20%	76.20%	Average of Traffic Count Site 02-1-004 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.61%	44.60%	15.61%	44.60%	15.61%	44.60%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	29	9	38	12	49	16	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	6	6	8	7	10	9	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	35	15	46	19	59	25	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Greveliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHS _t	34	188	34	188	34	188			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	6	NA	7	NA	9	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	17	NA	22	NA	28	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	3	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	T _w	1	NA	2	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Hardin (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	1,164	1,164	1,527	1,527	1,977	1,977	PDD = PDP*2		
	90th Percentile Daily People	PDP	582	582	764	764	989	989	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	7,280	7,280	9,548	9,548	12,363	12,363	Average of Traffic Count Site 02-1-004		
	Average Annual Daily Traffic (Trucks)	AADT _t	1,623	1,623	2,129	2,129	2,757	2,757	Average of Traffic Count Site 02-1-004 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	577	181	757	237	980	307	Average of Traffic Count Site 02-1-004		
	Peak Day Peak Hour People	PHP	46	14	61	19	78	25	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	31	10	40	13	52	16	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	76.20%	76.20%	76.20%	76.20%	76.20%	76.20%	Average of Traffic Count Site 02-1-004 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.61%	44.60%	15.61%	44.60%	15.61%	44.60%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	24	8	31	10	40	13	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	5	5	7	6	9	8	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	29	13	38	16	49	21	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Graveliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research nom Greyenn (Last) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	6	NA	8	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	14	NA	18	NA	23	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Harlowton Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	1,226	1,226	1,496	1,496	1,826	1,826	PDD = PDP*2		
	90th Percentile Daily People	PDP	613	613	748	748	913	913	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	1,942	1,942	2,370	2,370	2,891	2,891	Average of Traffic Count Sites 54-2-015, 54-2-003, & 54-2-008		
	Average Annual Daily Traffic (Trucks)	AADT _t	341	341	416	416	507	507	Average of Traffic Count Sites 54-2-015, 54-2-003, & 54-2-008 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	157	53	192	65	234	79	Average of Traffic Count Sites 54-2-015, 54-2-003, & 54-2-008		
	Peak Day Peak Hour People	PHP	50	17	61	20	74	25	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	33	11	40	14	49	17	$PHV_p = PHP_p / UV$		
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	81.53%	81.53%	81.53%	81.53%	81.53%	81.53%	Average of Traffic Count Sites 54-2-015, 54-2-003, & 54-2-008 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	12.29%	35.10%	12.29%	35.10%	12.29%	35.10%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	27	10	33	12	41	14	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	5	4	5	5	7	6	$D_t = D_{t\%}^* PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	32	14	38	17	48	20	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater, Junction Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom oleanwater eanotion rest / rea		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	6	NA	7	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	7	NA	8	NA	10	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Hathaway (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	895	895	1,356	1,356	2,055	2,055	PDD = PDP*2		
	90th Percentile Daily People	PDP	448	448	678	678	1,028	1,028	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	4,592	4,592	6,959	6,959	10,545	10,545	Average of Traffic Count Site 44-6-001		
	Average Annual Daily Traffic (Trucks)	AADTt	1,038	1,038	1,573	1,573	2,383	2,383	Average of Traffic Count Site 44-6-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	353	126	535	191	811	289	Average of Traffic Count Site 44-6-001		
	Peak Day Peak Hour People	PHP	34	12	52	19	79	28	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	23	8	35	12	53	19	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	77.10%	77.10%	77.10%	77.10%	77.10%	77.10%	Average of Traffic Count Site 44-6-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.82%	45.20%	15.82%	45.20%	15.82%	45.20%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	18	7	27	10	41	15	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	4	4	6	6	9	9	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	22	11	33	16	50	24	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	4	NA	5	NA	8	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	13	NA	19	NA	29	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Hathaway (West) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	856	856	1,298	1,298	1,966	1,966	PDD = PDP*2		
	90th Percentile Daily People	PDP	428	428	649	649	983	983	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	4,592	4,592	6,959	6,959	10,545	10,545	Average of Traffic Count Site 44-6-001		
	Average Annual Daily Traffic (Trucks)	AADT _t	1,038	1,038	1,573	1,573	2,383	2,383	Average of Traffic Count Site 44-6-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	353	126	535	191	811	289	Average of Traffic Count Site 44-6-001		
	Peak Day Peak Hour People	PHP	33	12	50	18	76	27	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	22	8	33	12	50	18	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	77.10%	77.10%	77.10%	77.10%	77.10%	77.10%	Average of Traffic Count Site 44-6-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.82%	45.20%	15.82%	45.20%	15.82%	45.20%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	17	7	26	10	39	14	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	4	4	6	6	8	9	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	21	11	32	16	47	23	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	4	NA	5	NA	8	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	12	NA	19	NA	28	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Hysham (East) Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	5,310	5,310	8,034	8,034	11,706	11,706	Traffic Count Site 52-2-002		
	Average Annual Daily Traffic (Trucks)	AADT _t	1,187	1,187	1,729	1,729	2,520	2,520	Traffic Count Site 52-2-002		
	Peak Hour Volume	PHV	360	166	545	251	794	366	Traffic Count Site 52-2-002		
	Proportion of Mainline Traffic Stopping at Rest Area	P	0.15	0.15	0.15	0.15	0.15	0.15	P = [(ASDD / 2) / UV] / AADT		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	55	26	83	38	120	56	D ₁ = PHV * P		
ΠΑΤΑ	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	77.40%	77.40%	77.40%	77.40%	77.40%	77.40%	Traffic Count Site 52-2-002 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.65%	44.70%	15.65%	44.70%	15.65%	44.70%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	43	20	64	29	93	43	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	D _t	9	12	13	17	19	25	$D_{t} = D_{t\%} * D_{1}$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	52	32	77	46	112	68	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Pasaarch from Divide (Southbound) Post Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Alea		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	8	NA	12	NA	18	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	6	38	9	58	12	84	$N_t = (PHV * P * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	3	NA	4	NA	6	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Τw	2	NA	2	NA	4	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	T _m	1	NA	2	NA	2	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	6	NA	8	NA	12	NA	$PT = (N_{c (Day)} + N_{t (Day)}) * 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	4	NA	6	NA	9	NA	$R = (N_{c(Day)} + N_{t(Day)}) * 0.3$		

Hysham (West) Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	5,310	5,310	8,034	8,034	11,706	11,706	Traffic Count Site 52-2-002		
	Average Annual Daily Traffic (Trucks)	AADT _t	1,187	1,187	1,729	1,729	2,520	2,520	Traffic Count Site 52-2-002		
	Peak Hour Volume	PHV	360	166	545	251	794	366	Traffic Count Site 52-2-002		
	Proportion of Mainline Traffic Stopping at Rest Area	P	0.17	0.17	0.17	0.17	0.17	0.17	P = [(ASDD / 2) / UV] / AADT		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	60	28	91	42	132	61	D ₁ = PHV * P		
ΠΑΤΑ	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	77.40%	77.40%	77.40%	77.40%	77.40%	77.40%	Traffic Count Site 52-2-002 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.65%	44.70%	15.65%	44.70%	15.65%	44.70%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	46	22	70	33	102	47	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	D _t	9	13	14	19	21	27	$D_{t} = D_{t\%} * D_{1}$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	55	35	84	52	123	74	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Alea		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	9	NA	13	NA	19	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	6	42	9	63	14	92	$N_t = (PHV * P * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	3	NA	5	NA	7	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	T _w	2	NA	3	NA	4	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	T _m	1	NA	2	NA	3	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	6	NA	9	NA	13	NA	$PT = (N_{c \ (Day)} + N_{t \ (Day)}) \ ^{*} \ 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	5	NA	7	NA	10	NA	$R = (N_{c(D_{ay)}} + N_{t(D_{ay)}}) * 0.3$		

Jefferson City (North) Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	4,652	4,652	5,676	5,676	6,926	6,926	Traffic Count Site 22-2-014		
	Average Annual Daily Traffic (Trucks)	AADT _t	926	926	1,130	1,130	1,378	1,378	Traffic Count Site 22-2-014		
	Peak Hour Volume	PHV	380	161	464	196	566	240	Traffic Count Site 22-2-014		
	Proportion of Mainline Traffic Stopping at Rest Area	P	0.15	0.15	0.15	0.15	0.15	0.15	P = [(ASDD / 2) / UV] / AADT		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	58	25	71	30	86	37	D ₁ = PHV * P		
ΠΑΤΑ	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	78.60%	78.60%	78.60%	78.60%	78.60%	78.60%	Traffic Count Site 22-2-014 (Vehicle Class types 1-3)		
Pain	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	13.93%	39.80%	13.93%	39.80%	13.93%	39.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	46	20	56	24	68	29	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	D _t	8	10	10	12	12	15	$D_t = D_{t\%} * D_1$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	54	30	66	36	80	44	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	9	NA	11	NA	13	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	6	33	7	40	8	49	N _t = (PHV * P * D _{t%} * VHS _t) / 60		
RECOMMENDED	Total Restroom Stalls	Т	3	NA	4	NA	4	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	T _w	2	NA	2	NA	2	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	T _m	1	NA	2	NA	2	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	6	NA	7	NA	8	NA	$PT = \left(N_{c \; (Day)} + N_{t \; (Day)}\right) * 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	5	NA	5	NA	6	NA	$R = (N_{c(Day)} + N_{t(Day)}) * 0.3$		

Jefferson City (South) Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	4,652	4,652	5,676	5,676	6,926	6,926	Traffic Count Site 22-2-014		
	Average Annual Daily Traffic (Trucks)	AADT _t	926	926	1,130	1,130	1,378	1,378	Traffic Count Site 22-2-014		
	Peak Hour Volume	PHV	380	161	464	196	566	240	Traffic Count Site 22-2-014		
	Proportion of Mainline Traffic Stopping at Rest Area	P	0.15	0.15	0.15	0.15	0.15	0.15	P = [(ASDD / 2) / UV] / AADT		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	58	25	71	30	86	37	D ₁ = PHV * P		
ΠΑΤΑ	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	78.60%	78.60%	78.60%	78.60%	78.60%	78.60%	Traffic Count Site 22-2-014 (Vehicle Class types 1-3)		
Pain	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	13.93%	39.80%	13.93%	39.80%	13.93%	39.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	46	20	56	24	68	29	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	D _t	8	10	10	12	12	15	$D_t = D_{t\%} * D_1$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	54	30	66	36	80	44	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	Nc	9	NA	11	NA	13	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	6	33	7	40	8	49	N _t = (PHV * P * D _{t%} * VHS _t) / 60		
RECOMMENDED	Total Restroom Stalls	Т	3	NA	4	NA	4	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Τw	2	NA	2	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	T _m	1	NA	2	NA	2	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	6	NA	7	NA	8	NA	$PT = \left(N_{c \; (Day)} + N_{t \; (Day)}\right) * 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	5	NA	5	NA	6	NA	$R = (N_{c(Day)} + N_{t(Day)}) * 0.3$		

	Lima Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	1,997	1,997	2,909	2,909	4,239	4,239	PDD = PDP*2			
	90th Percentile Daily People	PDP	998	998	1,455	1,455	2,119	2,119	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	3,515	3,515	5,122	5,122	7,463	7,463	Average of Traffic Count Sites 01-8-002, & 01-8-001/W-142			
	Average Annual Daily Traffic (Trucks)	AADT _t	1,083	1,083	1,577	1,577	2,298	2,298	Average of Traffic Count Sites 01-8-002, & 01-8-001/W-142 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	294	49	428	71	624	103	Average of Traffic Count Sites 01-8-002, & 01-8-001/W-142			
	Peak Day Peak Hour People	PHP	83	14	122	20	177	29	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	56	9	81	13	118	20	$PHV_p = PHP_p / UV$			
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	67.30%	67.30%	67.30%	67.30%	67.30%	67.30%	Average of Traffic Count Sites 01-8-002, & 01-8-001/W-142 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	21.56%	61.60%	21.56%	61.60%	21.56%	61.60%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	D _c	38	7	55	10	80	14	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	13	6	18	9	26	13	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	51	13	73	19	106	27	$D_2 = D_{c} + D_{t}$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202				
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	7	NA	11	NA	15	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	20	NA	28	NA	41	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	3	NA	4	NA	6	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	2	NA	2	NA	4	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	2	NA	2	NA	$T_{m} = T * 0.4$			

Lost Trail Pass Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	575	575	749	749	963	963	PDD = PDP*2		
	90th Percentile Daily People	PDP	287	287	374	374	482	482	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	653	653	851	851	1,095	1,095	Average of Traffic Count Sites 41-5-004, 41-5-001, & 01-1-001		
	Average Annual Daily Traffic (Trucks)	AADT _t	69	69	90	90	116	116	Average of Traffic Count Sites 41-5-004, 41-5-001, & 01-1-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	54	12	71	16	91	21	Average of Traffic Count Sites 41-5-004, 41-5-001, & 01-1-001		
	Peak Day Peak Hour People	PHP	24	5	31	7	40	9	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	16	4	21	5	27	6	$PHV_p = PHP_p / UV$		
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	89.17%	89.17%	89.17%	89.17%	89.17%	89.17%	Average of Traffic Count Sites 41-5-004, 41-5-001, & 01-1-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	7.44%	21.27%	7.44%	21.27%	7.44%	21.27%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	15	4	19	5	24	6	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	2	1	2	2	2	2	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	17	5	21	7	26	8	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater Junction Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom clearwater subclion Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	4	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	2	NA	2	NA	3	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Mosby Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	875	875	1,250	1,250	1,786	1,786	PDD = PDP*2		
	90th Percentile Daily People	PDP	438	438	625	625	893	893	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	577	577	824	824	1,178	1,178	Average of Traffic Count Site 17-6-001		
	Average Annual Daily Traffic (Trucks)	AADT _t	100	100	143	143	205	205	Average of Traffic Count Site 17-6-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	54	15	77	21	110	31	Average of Traffic Count Site 17-6-001		
	Peak Day Peak Hour People	PHP	41	11	58	16	84	23	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	27	8	39	11	56	15	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	82.00%	82.00%	82.00%	82.00%	82.00%	82.00%	Average of Traffic Count Site 17-6-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	12.18%	34.80%	12.18%	34.80%	12.18%	34.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	23	7	32	9	46	13	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	4	3	5	4	7	6	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	27	10	37	13	53	19	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	6	NA	9	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	9	NA	13	NA	19	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	T _m = T * 0.4		

Quartz Flats (East) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	1,925	1,925	2,349	2,349	2,866	2,866	PDD = PDP*2		
	90th Percentile Daily People	PDP	962	962	1,174	1,174	1,433	1,433	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	6,329	6,329	7,723	7,723	9,423	9,423	Average of Traffic Count Site 31-2-006		
	Average Annual Daily Traffic (Trucks)	AADT _t	2,184	2,184	2,664	2,664	3,251	3,251	Average of Traffic Count Site 31-2-006 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	344	115	420	140	512	171	Average of Traffic Count Site 31-2-006		
	Peak Day Peak Hour People	PHP	52	17	64	21	78	26	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	35	12	43	14	52	17	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	64.60%	64.60%	64.60%	64.60%	64.60%	64.60%	Average of Traffic Count Site 31-2-006 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	24.15%	69.00%	24.15%	69.00%	24.15%	69.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	23	8	28	10	34	12	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	9	9	11	10	13	12	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	32	17	39	20	47	24	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Grevcliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	34	188	34	188	34	188	Research norm oneyown (East) Rest / Rest		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	6	NA	7	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	26	NA	31	NA	38	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	T _m = T * 0.4		

Quartz Flats (West) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	2,040	2,040	2,489	2,489	3,037	3,037	PDD = PDP*2		
	90th Percentile Daily People	PDP	1,020	1,020	1,244	1,244	1,518	1,518	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	6,329	6,329	7,723	7,723	9,423	9,423	Average of Traffic Count Site 31-2-006		
	Average Annual Daily Traffic (Trucks)	AADTt	2,184	2,184	2,664	2,664	3,251	3,251	Average of Traffic Count Site 31-2-006 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	344	115	420	140	512	171	Average of Traffic Count Site 31-2-006		
	Peak Day Peak Hour People	PHP	55	19	68	23	83	28	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	37	12	45	15	55	18	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	64.60%	64.60%	64.60%	64.60%	64.60%	64.60%	Average of Traffic Count Site 31-2-006 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	24.15%	69.00%	24.15%	69.00%	24.15%	69.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	24	8	30	10	36	12	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	9	9	11	11	14	13	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	33	17	41	21	50	25	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Grevcliff (East) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHS _t	34	188	34	188	34	188	Research norm encyclim (East) Rest / Rea		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	5	NA	6	NA	7	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	27	NA	33	NA	40	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	3	NA	3	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	2	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Raynolds Pass Rest Area - Peak Daily Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	851	851	1,340	1,340	2,112	2,112	PDD = PDP*2		
	90th Percentile Daily People	PDP	425	425	670	670	1,056	1,056	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	1,503	1,503	2,368	2,368	3,732	3,732	Average of Traffic Count Site 29-6-002		
	Average Annual Daily Traffic (Trucks)	AADT _t	338	338	533	533	840	840	Average of Traffic Count Site 29-6-002 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	138	29	217	46	343	72	Average of Traffic Count Site 29-6-002		
	Peak Day Peak Hour People	PHP	39	8	62	13	97	20	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	26	5	41	9	65	14	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	76.00%	76.00%	76.00%	76.00%	76.00%	76.00%	Average of Traffic Count Site 29-6-002 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	15.75%	45.00%	15.75%	45.00%	15.75%	45.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	20	5	32	7	50	11	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	5	3	7	4	11	7	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	25	8	39	11	61	18	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Bosoarch from Cleanwater, Junction Bost Area		
	Average Dwell Time for Trucks (Minutes)	VHS _t	25	96	25	96	25	96	Research nom Clearwater Sunction Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	4	NA	6	NA	9	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	4	NA	7	NA	10	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	2	NA	2	NA	4	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	2	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	2	NA	T _m = T * 0.4		

Roberts Rest Area - Modified WTI Method											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	2,320	2,320	2,888	2,888	3,524	3,524	Traffic Count Sites 5-1-005		
	Average Annual Daily Traffic (Trucks)	AADT _t	137	137	168	168	204	204	Traffic Count Sites 5-1-005		
	Peak Hour Volume	PHV	236	68	294	85	358	103	Traffic Count Sites 5-1-005		
	Proportion of Mainline Traffic Stopping at Rest Area	P	0.03	0.03	0.03	0.03	0.03	0.03	P = [(ASDD / 2) / UV] / AADT		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	8	3	10	3	12	4	D ₁ = PHV * P		
ΠΑΤΑ	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	94.00%	94.00%	94.00%	94.00%	94.00%	94.00%	Traffic Count Site 55-1-001 & 55-1-002 (Vehicle Class types 1-3)		
Pain	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	4.14%	11.84%	4.14%	11.84%	4.14%	11.84%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	8	3	9	3	11	4	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	D _t	0	0	0	0	0	0	$D_{t} = D_{t\%} * D_{1}$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	8	3	9	3	11	4	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Possarch from Clearwater, Junction Post Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom Clearwater Junction Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	2	NA	2	NA	2	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	1	1	1	1	1	1	$N_t = (PHV * P * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	1	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	T _w	1	NA	1	NA	1	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	T _m	1	NA	1	NA	0	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	1	NA	1	NA	1	NA	$PT = (N_{c \ (Day)} + N_{t \ (Day)}) * 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	1	NA	1	NA	1	NA	$R = (N_{c(D_{ay)}} + N_{t(D_{ay)}}) * 0.3$		

Sweetgrass Rest Area - 90th Percentile Door Count										
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes	
	90th Percentile Door Count	PDD	774	774	1,063	1,063	1,460	1,460	PDD = PDP*2	
	90th Percentile Daily People	PDP	387	387	531	531	730	730	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)	
	Average Annual Daily Traffic	AADT	2,226	2,226	3,057	3,057	4,199	4,199	Average of Traffic Count Sites 51-1-002 & 51-1-018	
	Average Annual Daily Traffic (Trucks)	AADT _t	877	877	1,204	1,204	1,655	1,655	Average of Traffic Count Sites 51-1-002 & 51-1-018 (Vehicle Class types 4-13) * AADT	
	Peak Hour Volume	PHV	187	32	256	44	352	60	Average of Traffic Count Sites 51-1-002 & 51-1-018	
	Peak Day Peak Hour People	PHP	32	6	45	8	61	10	PHP = PDP * (PHV / AADT)	
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	22	4	30	5	41	7	$PHV_p = PHP_p / UV$	
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	59.20%	59.20%	59.20%	59.20%	59.20%	59.20%	Average of Traffic Count Sites 51-1-002 & 51-1-018 (Vehicle Class types 1-3)	
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	27.58%	78.80%	27.58%	78.80%	27.58%	78.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0	
	Number of Cars Stopping at Rest Area	D _c	13	3	18	4	25	5	$D_c = D_{c\%} * PHV_p$	
	Number of Trucks Stopping at Rest Area	Dt	6	3	9	5	12	6	$D_t = D_{t\%} * PHV_p$	
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	19	6	27	9	37	11	$D_2 = D_c + D_t$	
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area	
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Goumbound) Rest Area	
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9	
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	5	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$	
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	10	NA	14	NA	19	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$	
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$	
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	T _w = T * 0.6	
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$	

Teton River (North) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	462	462	564	564	688	688	PDD = PDP*2		
	90th Percentile Daily People	PDP	231	231	282	282	344	344	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	3,671	3,671	4,479	4,479	5,466	5,466	Average of Traffic Count Site 50-4-002		
	Average Annual Daily Traffic (Trucks)	AADTt	859	859	1,048	1,048	1,279	1,279	Average of Traffic Count Site 50-4-002 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	207	68	253	83	308	101	Average of Traffic Count Site 50-4-002		
	Peak Day Peak Hour People	PHP	13	4	16	5	19	6	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	9	3	11	3	13	4	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	76.00%	76.00%	76.00%	76.00%	76.00%	76.00%	Average of Traffic Count Site 50-4-002 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.38%	46.80%	16.38%	46.80%	16.38%	46.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	7	3	9	3	10	4	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	2	2	2	2	3	2	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	9	5	11	5	13	6	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	2	NA	2	NA	2	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	5	NA	6	NA	7	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	1	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	0	NA	$T_{m} = T * 0.4$		

	Teton River (South) Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes			
	90th Percentile Door Count	PDD	423	423	517	517	630	630	PDD = PDP*2			
	90th Percentile Daily People	PDP	212	212	258	258	315	315	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)			
	Average Annual Daily Traffic	AADT	3,671	3,671	4,479	4,479	5,466	5,466	Average of Traffic Count Site 50-4-002			
	Average Annual Daily Traffic (Trucks)	AADT _t	859	859	1,048	1,048	1,279	1,279	Average of Traffic Count Site 50-4-002 (Vehicle Class types 4-13) * AADT			
	Peak Hour Volume	PHV	207	68	253	83	308	101	Average of Traffic Count Site 50-4-002			
	Peak Day Peak Hour People	PHP	12	4	15	5	18	6	PHP = PDP * (PHV / AADT)			
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	8	3	10	3	12	4	$PHV_p = PHP_p / UV$			
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	76.00%	76.00%	76.00%	76.00%	76.00%	76.00%	Average of Traffic Count Site 50-4-002 (Vehicle Class types 1-3)			
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	16.38%	46.80%	16.38%	46.80%	16.38%	46.80%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0			
	Number of Cars Stopping at Rest Area	Dc	7	2	8	3	10	3	$D_c = D_{c\%} * PHV_p$			
	Number of Trucks Stopping at Rest Area	Dt	2	2	2	2	2	2	$D_t = D_{t\%} * PHV_p$			
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	9	4	10	5	12	5	$D_2 = D_c + D_t$			
	Average Dwell Time for Cars (Minutes)	VHS _c	11	NA	11	NA	11	NA	Research from Divide (Southbound) Rest Area			
	Average Dwell Time for Trucks (Minutes)	VHSt	38	202	38	202	38	202	Research nom Divide (Southbound) Rest Area			
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9			
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	2	NA	2	NA	2	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$			
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	5	NA	6	NA	7	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$			
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	1	NA	$T = (UV * D_2) / 30$			
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$			
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	0	NA	T _m = T * 0.4			

Troy Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	600	600	732	732	893	893	PDD = PDP*2		
	90th Percentile Daily People	PDP	300	300	366	366	446	446	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	2,975	2,975	3,629	3,629	4,429	4,429	Average of Traffic Count Sites 27-3-005 & 27-3-007		
	Average Annual Daily Traffic (Trucks)	AADT _t	263	263	321	321	392	392	Average of Traffic Count Sites 27-3-005 & 27-3-007 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	257	46	314	56	383	68	Average of Traffic Count Sites 27-3-005 & 27-3-007		
	Peak Day Peak Hour People	PHP	26	5	32	6	39	7	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_{p}	17	3	21	4	26	5	$PHV_p = PHP_p / UV$		
	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	90.15%	90.15%	90.15%	90.15%	90.15%	90.15%	Average of Traffic Count Sites 27-3-005 & 27-3-007 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	6.20%	17.70%	6.20%	17.70%	6.20%	17.70%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	16	3	20	4	24	5	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	2	1	2	1	2	1	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	18	4	22	5	26	6	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater Junction Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom clearwater sunction riest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	3	NA	4	NA	4	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	1	NA	2	NA	2	$N_t = (PHV_p * D_{t\%} * VHS_t) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	2	NA	2	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		

Vandalia Rest Area - 90th Percentile Door Count											
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	90th Percentile Door Count	PDD	325	325	418	418	530	530	PDD = PDP*2		
	90th Percentile Daily People	PDP	163	163	209	209	265	265	Patron Count data provided by MDT (Section 4.5.1 Patron/Door Count Correlation)		
	Average Annual Daily Traffic	AADT	1,340	1,340	1,721	1,721	2,185	2,185	Average of Traffic Count Site 53-4-001		
	Average Annual Daily Traffic (Trucks)	AADTt	219	219	278	278	353	353	Average of Traffic Count Site 53-4-001 (Vehicle Class types 4-13) * AADT		
	Peak Hour Volume	PHV	112	36	144	46	183	59	Average of Traffic Count Site 53-4-001		
	Peak Day Peak Hour People	PHP	14	4	17	6	22	7	PHP = PDP * (PHV / AADT)		
DATA	Peak Day Peak Hour Vehicles Stopping at Rest Area	PHV_p	9	3	12	4	15	5	$PHV_p = PHP_p / UV$		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	83.60%	83.60%	83.60%	83.60%	83.60%	83.60%	Average of Traffic Count Site 53-4-001 (Vehicle Class types 1-3)		
	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	11.45%	32.72%	11.45%	32.72%	11.45%	32.72%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	Dc	8	3	10	4	13	4	$D_c = D_{c\%} * PHV_p$		
	Number of Trucks Stopping at Rest Area	Dt	2	1	2	2	2	2	$D_t = D_{t\%} * PHV_p$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	10	4	12	6	15	6	$D_2 = D_c + D_t$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater, Junction Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom clearwater sunction riest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	2	NA	2	NA	3	NA	$N_{c} = (PHV_{p} * D_{c\%} * VHS_{c}) / 60$		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	NA	2	NA	2	NA	3	$N_{t} = (PHV_{p} * D_{t\%} * VHS_{t}) / 60$		
RECOMMENDED	Total Restroom Stalls	Т	1	NA	1	NA	1	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	Tw	1	NA	1	NA	1	NA	$T_{w} = T * 0.6$		
STALLS	Total Restroom Stalls - Men	Tm	1	NA	1	NA	1	NA	$T_{m} = T * 0.4$		
			Wil	oaux Rest Area -	Modified WTI M	ethod					
-------------------------------------	-----------------------------------------------------------------------------------------	-------------------	------------------------	--------------------------	----------------------	------------------------	----------------------	------------------------	----------------------------------------------------------------------------------------------------		
	Description	Variable	Existing (2016) DAY	Existing (2016) NIGHT	Future (2036) DAY	Future (2036) NIGHT	Future (2056) DAY	Future (2056) NIGHT	Notes		
	Average Annual Daily Traffic	AADT	3,944	3,944	6,094	6,094	9,417	9,417	Traffic Count Sites 55-1-001 & 55-1-002		
	Average Annual Daily Traffic (Trucks)	AADT _t	1,282	1,282	1,981	1,981	3,061	3,061	Traffic Count Sites 55-1-001 & 55-1-002		
	Peak Hour Volume	PHV	306	83	472	128	730	198	Traffic Count Sites 55-1-001 & 55-1-002		
	Proportion of Mainline Traffic Stopping at Rest Area	P	0.25	0.25	0.25	0.25	0.25	0.25	WTI Guideline #1 (Rural Highway = 0.25, Interstate = 0.16)		
	Total Vehicles Stopping at Rest Area (Initial Assumption)	D ₁	77	21	119	33	183	50	D ₁ = PHV * P		
DATA	Percentage of Cars in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{c%}	66.00%	66.00%	66.00%	66.00%	66.00%	66.00%	Traffic Count Site 55-1-001 & 55-1-002 (Vehicle Class types 1-3)		
Pain	Percentage of Trucks in the Mainline Traffic Stream During Daytime/Nighttime Periods	D _{t%}	22.75%	65.00%	22.75%	65.00%	22.75%	65.00%	Guideline #3 Day = (AADT _t / AADT) * 0.7 Night = (AADT _t / AADT) * 2.0		
	Number of Cars Stopping at Rest Area	D _c	51	14	79	22	121	33	$D_{c} = D_{c\%} * D_{1}$		
	Number of Trucks Stopping at Rest Area	D _t	18	14	27	21	42	33	$D_{t} = D_{t\%} * D_{1}$		
	Total Vehicles Stopping at Rest Area During Peak Hour (Factored)	D ₂	69	28	106	43	163	66	$D_2 = D_{c} + D_{t}$		
	Average Dwell Time for Cars (Minutes)	VHS _c	10	NA	10	NA	10	NA	Research from Clearwater, Junction Rest Area		
	Average Dwell Time for Trucks (Minutes)	VHSt	25	96	25	96	25	96	Research nom clearwater subclion Rest Area		
	Restroom Users Per Vehicle	UV	1.5	1.5	1.5	1.5	1.5	1.5	Guideline #9		
RECOMMENDED	Parking Spaces for Cars (Day Controls)	N _c	9	NA	13	NA	21	NA	N _c = (PHV * P * D _{c%} * VHS _c) / 60		
PARKING SPACES	Parking Spaces for Trucks (Night Controls)	Nt	8	22	12	34	18	52	N _t = (PHV * P * D _{t%} * VHS _t) / 60		
RECOMMENDED	Total Restroom Stalls	Т	4	NA	6	NA	9	NA	$T = (UV * D_2) / 30$		
RESTROOM	Total Restroom Stalls - Women	T _w	2	NA	4	NA	5	NA	T _w = T * 0.6		
STALLS	Total Restroom Stalls - Men	T _m	2	NA	2	NA	4	NA	$T_{m} = T * 0.4$		
RECOMMENDED PICNIC TABLES	Total Picnic Tables	PT	7	NA	10	NA	16	NA	$PT = (N_{c (Day)} + N_{t (Day)}) * 0.4$		
RECOMMENDED WASTE RECEPTACLES	Total Waste Receptacles	R	5	NA	8	NA	12	NA	$R = (N_{c(Day)} + N_{t(Day)}) * 0.3$		

¹ Compound Annual Growth Rate = 2.2%

							Parking	Spaces															Restroom	Stalls						
				Passenger	Vehicles						Oversized Ve	ehicles						Men						Women				Men & V	Vomen	
Rest Area Name	2016 Supply	2016 Demand	2036 Demand	2016 Supply as a Percentage of 2016 Demand	2016 Deficiency/ Surplus	2036 Deficiency/ Surplus	Score	2016 Supply	2016 Demand	2036 Demand	2016 Supply as a Percentage of 2016 Demand	2016 Deficiency/ Surplus	2036 Deficiency/ Surplus	Score	2016 Supply	2016 Demand	2036 Demano	2016 Supply as a Percentage of 2016 Demand	2016 Deficiency/ Surplus	2036 Deficiency/ Surplus	2016 Supply	2016 Deman	2036 d Demand	2016 Supply as a Percentage of 2016 Demand	2016 Deficiency/ Surplus	2036 Deficiency/ Surplus	Total 2016 Supply as a Percentage of Total 2016	Total 2016 Deficiency/ Surplus (M&W)	Total 2036 Deficiency/ Surplus (M&W)	Score
1 Anaconda Rest Area	25	11	14	2.27	14	11	Excellent	15	25	32	0.60	-10	-17	Poor	5	2	2	2.50	3	3	5	2	3	2.50	3	2	2.50	6	5	Excellent
2 Armington Junction Rest Area	12	7	9	1.71	5	3	Excellent	12	5	5	2.40	7	7	Excellent	3	1	1	3.00	2	2	3	2	2	1.50	1	1	2.00	3	3	Excellent
3 Bad Route Rest Area	36	5	8	7.20	31	28	Excellent	16	19	29	0.84	-3	-13	Poor	3	1	1	3.00	2	2	3	1	2	3.00	2	1	3.00	4	3	Excellent
4 Bearmouth (East) Rest Area	49	5	6	9.80	44	43	Excellent	17	15	18	1.13	2	-1	Good	3	1	1	3.00	2	2	5	1	1	5.00	4	4	4.00	6	6	Excellent
5 Bearmouth (West) Rest Area	47	7	8	6.71	40	39	Excellent	21	20	25	1.05	1	-4	Good	3	1	1	3.00	2	2	4	2	2	2.00	2	2	2.33	4	4	Excellent
6 Bozeman Rest Area	26	7	11	3.71	19	15	Excellent	10	21	35	0.48	-11	-25	Poor	6	1	2	6.00	5	4	6	1	2	6.00	5	4	6.00	10	8	Excellent
7 Bridger Rest Area	13	3	4	4.33	10	9	Excellent	5	4	5	1.25	1	0	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
8 Broadus Rest Area	9	2	3	4.50	7	6	Excellent	15	4	5	3.75	11	10	Excellent	2	1	1	2.00	1	1	2	1	1	2.00	1	1	2.00	2	2	Excellent
9 Clearwater Junction Rest Area	25	7	9	3.57	18	16	Excellent	13	4	6	3.25	9	7	Excellent	2	1	1	2.00	1	1	2	2	2	1.00	0	0	1.33	1	1	Excellent
10 Columbus (East) Rest Area	32	13	21	2.46	19	11	Excellent	28	31	51	0.90	-3	-23	Fair	4	2	3	2.00	2	1	4	3	4	1.33	1	0	1.60	3	1	Excellent
11 Columbus (West) Rest Area	29	10	17	2.90	19	12	Excellent	40	25	41	1.60	15	-1	Good	4	2	2	2.00	2	2	4	2	4	2.00	2	0	2.00	4	2	Excellent
12 Conrad Rest Area	31	3	3	10.33	28	28	Excellent	18	7	9	2.57	11	9	Excellent	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
13 Culbertson Rest Area	23	1	2	23.00	22	21	Excellent	12	3	4	4.00	9	8	Excellent	2	1	1	2.00	1	1	2	1	1	2.00	1	1	2.00	2	2	Excellent
14 Custer (East) Rest Area	14	3	4	4.67	11	10	Excellent	10	18	24	0.56	-8	-14	Poor	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
15 Custer (West) Rest Area	17	4	5	4.25	13	12	Excellent	11	20	28	0.55	-9	-17	Poor	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
16 Dearborn (North) Rest Area	20	5	5	4.00	15	15	Excellent	25	14	17	1.79	11	8	Excellent	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
17 Dearborn (South) Rest Area	20	4	5	5.00	16	15	Excellent	25	12	15	2.08	13	10	Excellent	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
18 Dena Mora (East) Rest Area	22	12	15	1.83	10	7	Excellent	15	25	32	0.60	-10	-17	Poor	4	2	2	2.00	2	2	4	3	4	1.33	1	0	1.60	3	2	Excellent
19 Dena Mora (West) Rest Area	23	9	12	2.56	14	11	Excellent	16	19	24	0.84	-3	-8	Poor	4	2	2	2.00	2	2	4	2	2	2.00	2	2	2.00	4	4	Excellent
20 Divide (North) Rest Area	17	4	5	4.25	13	12	Excellent	16	9	12	1.78	7	4	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
21 Divide (South) Rest Area	16	3	4	5.33	13	12	Excellent	10	/	9	1.43	3	1	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
22 Emigrant Rest Area	20	3	4	0.67	1/	16	Excellent		1	1	7.00	0	6	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
23 Flowing wells Rest Area	10	3	3	2.00	5	3	Excellent	11	3	4	2.00	3	2	Excellent	3	1	2	3.00	2	2	3	2	1	3.00	2	2	3.00	4	4	Excellent
24 Gold Creek (East) Rest Area	19	8	9	2.38	11	10	Excellent	10	25	31	0.44	-14	-20	Poor	3	1	2	3.00	2	1	3	2	2	1.50	1	1	2.00	3	2	Excellent
25 Gold Creek (West) Rest Area	10	9	0	2.00	9	/	Excellent	10	30	20	0.55	-20	-20	Foor	2	1	2	3.00	2	1	3	2	2	1.30	1	1	2.00	3	2	Excellent
20 Greycliff (Most) Rest Area	22	6	9	6.33	44	41	Excellent	10	25	21	0.90	-1	-11	Fair	2	1	1	2.00	2	2	4	1	2	4.00	3	2	3.30	3	4	Excellent
29 Hardin (East) Rest Area	12	6	7	2.17	20	6	Excellent	13	17	22	0.30	-2	-12	Roor	2	1	1	2.00	2	2	2	1	2	3.00	2	1	3.00	4	3	Excellent
29 Hardin (West) Rest Area	14	5	6	2.17	9	8	Excellent	12	14	18	0.93	-1	-10	Fair	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
30 Harlowton Best Area	21	5	6	4.20	16	15	Excellent	16	7	8	2.29	9	8	Excellent	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
31 Hathaway (East) Rest Area	10	4	5	2.50	6	5	Excellent	11	13	19	0.85	-2	-8	Poor	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
32 Hathaway (West) Rest Area	8	4	5	2.00	4	3	Excellent	11	12	19	0.92	-1	-8	Fair	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
33 Hysham (East) Rest Area	15	8	12	1.88	7	3	Excellent	21	38	58	0.55	-17	-37	Poor	4	1	2	4.00	3	2	4	2	2	2.00	2	2	2.67	5	4	Excellent
34 Hysham (West) Rest Area	17	9	13	1.89	8	4	Excellent	22	42	63	0.52	-20	-41	Poor	4	1	2	4.00	3	2	4	2	2	2.00	2	2	2.67	5	4	Excellent
35 Jefferson City (North) Rest Area	11	9	11	1.22	2	0	Excellent	8	33	40	0.24	-25	-32	Poor	2	1	2	2.00	1	0	2	2	2	1.00	0	0	1.33	1	0	Excellent
36 Jefferson City (South) Rest Area	9	9	11	1.00	0	-2	Good	4	33	40	0.12	-29	-36	Poor	2	1	2	2.00	1	0	2	2	2	1.00	0	0	1.33	1	0	Excellent
37 Lima Rest Area	29	7	11	4.14	22	18	Excellent	19	20	28	0.95	-1	-9	Fair	4	1	2	4.00	3	2	4	2	2	2.00	2	2	2.67	5	4	Excellent
38 Lost Trail Pass Rest Area	21	3	4	7.00	18	17	Excellent	6	2	2	3.00	4	4	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
39 Mosby Rest Area	9	5	6	1.80	4	3	Excellent	6	9	13	0.67	-3	-7	Poor	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
40 Quartz Flats (East) Rest Area	26	5	6	5.20	21	20	Excellent	11	26	31	0.42	-15	-20	Poor	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
41 Quartz Flats (West) Rest Area	26	5	6	5.20	21	20	Excellent	10	27	33	0.37	-17	-23	Poor	4	1	1	4.00	3	3	4	1	2	4.00	3	2	4.00	6	5	Excellent
42 Raynolds Pass Rest Area	15	4	6	3.75	11	9	Excellent	10	4	7	2.50	6	3	Excellent	2	1	1	2.00	1	1	2	1	1	2.00	1	1	2.00	2	2	Excellent
43 Roberts Rest Area	8	2	2	4.00	6	6	Excellent	5	1	1	5.00	4	4	Excellent	2	1	1	2.00	1	1	2	1	1	2.00	1	1	2.00	2	2	Excellent
44 Sweet Grass Rest Area	14	3	4	4.67	11	10	Excellent	7	10	14	0.70	-3	-7	Poor	4	1	1	4.00	3	3	4	1	1	4.00	3	3	4.00	6	6	Excellent
45 Teton River (North) Rest Area	18	2	2	9.00	16	16	Excellent	9	5	6	1.80	4	3	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
46 Teton River (South) Rest Area	20	2	2	10.00	18	18	Excellent	10	5	6	2.00	5	4	Excellent	3	1	1	3.00	2	2	3	1	1	3.00	2	2	3.00	4	4	Excellent
4/ Troy Rest Area	24	3	4	8.00	21	20	Excellent	5	1	2	5.00	4	3	Excellent	3	1	1	3.00	2	2	4	1	1	4.00	3	3	3.50	5	5	Excellent
48 Vandalia Rest Area	14	2	2	7.00	12	12	Excellent	3	2	2	1.50	1	1	Excellent	2	1	1	2.00	1	1	2	1	1	2.00	1	1	2.00	2	2	Excellent
49 WIDAUX KEST AFEB	27	9	13	3.00	18	14	Excellent	ŏ	22	34	0.36	-14	-26	Poor	2	2	2	1.00	U	U	2	2	4	1.00	U	-2	1.00	U	-2	Good

				Parking	g Spaces							Restroc	om Stalls			
		Passenge	r Vehicles			Oversize	d Vehicles			М	en			Woi	nen	
Rest Area Name	2016 Supply	2016 Demand	2011 Demand	2016 - 2011 =	2016 Supply	2016 Demand	2011 Demand	2016 - 2011 =	2016 Supply	2016 Demand	2011 Demand	2016 - 2011 =	2016 Supply	2016 Demand	2011 Demand	2016 - 2011 =
1 Anaconda Rest Area	25	11	13	-2	15	25	22	3	5	2	2	0	5	2	3	-1
2 Armington Junction Rest Area	12	7	8	-1	12	5	4	1	3	1	1	0	3	2	2	0
3 Bad Route Rest Area	36	5	7	-2	16	19	22	-3	3	1	1	0	3	1	2	-1
4 Bearmouth (East) Rest Area	49	5	13	-8	17	15	15	0	3	1	2	-1	5	1	3	-2
5 Bearmouth (West) Rest Area	47	7	13	-6	21	20	15	5	3	1	2	-1	4	2	2	0
6 Bozeman Rest Area	26	7	30	-23	10	21	27	-6	6	1	4	-3	6	1	5	-4
7 Bridger Rest Area	13	3	20	-17	5	4	7	-3	3	1	3	-2	3	1	4	-3
8 Broadus Rest Area	9	2	3	-1	15	4	3	1	2	1	1	0	2	1	1	0
9 Clearwater Junction Rest Area	25	7	12	-5	13	4	3	1	2	1	2	-1	2	2	2	0
10 Columbus (East) Rest Area	32	13	12	1	28	31	19	12	4	2	2	0	4	3	2	1
11 Columbus (West) Rest Area	29	10	10	0	40	25	23	2	4	2	2	0	4	2	2	0
12 Conrad Rest Area	31	3	4	-1	18	7	13	-6	4	1	1	0	4	1	1	0
13 Culbertson Rest Area	23	1	2	-1	12	3	5	-2	2	1	0	1	2	1	1	0
14 Custer (East) Rest Area	14	3	5	-2	10	18	13	5	3	1	1	0	3	1	1	0
15 Custer (West) Rest Area	17	4	4	0	11	20	10	10	3	1	1	0	3	1	1	0
16 Dearborn (North) Rest Area	20	5	5	0	25	14	9	5	4	1	1	0	4	1	1	0
17 Dearborn (South) Rest Area	20	4	4	0	25	12	7	5	4	1	1	0	4	1	1	0
18 Dena Mora (East) Rest Area	22	12	15	-3	15	25	46	-21	4	2	2	0	4	3	3	0
19 Dena Mora (West) Rest Area	23	9	13	-4	16	19	32	-13	4	2	2	0	4	2	3	-1
20 Divide (North) Rest Area	17	4	7	-3	16	9	10	-1	3	1	1	0	3	1	2	-1
21 Divide (South) Rest Area	16	3	6	-3	10	7	8	-1	3	1	1	0	3	1	1	0
22 Emigrant Rest Area	20	3	6	-3	7	1	1	0	3	1	1	0	3	1	1	0
23 Flowing Wells Rest Area	6	3	5	-2	6	3	2	1	3	1	1	0	3	1	1	0
24 Gold Creek (East) Rest Area	19	8	13	-5	11	25	19	6	3	1	2	-1	3	2	2	0
25 Gold Creek (West) Rest Area	18	9	11	-2	10	30	20	10	3	1	2	-1	3	2	2	0
26 Greycliff (East) Rest Area	50	6	10	-4	22	23	24	-1	3	1	2	-1	4	1	2	-1
27 Greycliff (West) Rest Area	32	6	10	-4	19	21	21	0	3	1	2	-1	3	1	2	-1
28 Hardin (East) Rest Area	13	6	6	0	12	17	17	0	3	1	1	0	3	1	1	0
29 Hardin (West) Rest Area	14	5	5	0	13	14	9	5	3	1	1	0	3	1	1	0
30 Harlowton Rest Area	21	5	7	-2	16	7	11	-4	4	1	1	0	4	1	2	-1
31 Hathaway (East) Rest Area	10	4	5	-1	11	13	8	5	3	1	1	0	3	1	1	0
32 Hathaway (West) Rest Area	8	4	4	0	11	12	10	2	3	1	1	0	3	1	1	0
33 Hysham (East) Rest Area	15	8	5	3	21	38	22	16	4	1	1	0	4	2	1	1
34 Hysham (West) Rest Area	17	9	6	3	22	42	16	26	4	1	1	0	4	2	1	1
35 Jefferson City (North) Rest Area	11	9	5	4	8	33	8	25	2	1	1	0	2	2	1	1
36 Jefferson City (South) Rest Area	9	9	6	3	4	33	8	25	2	1	1	0	2	2	1	1
37 Lima Rest Area	29	/	13	-6	19	20	35	-15	4	1	2	-1	4	2	3	-1
38 Lost Trail Pass Rest Area	21	3	6	-3	6	2	2	0	3	1	1	0	3	1	1	0
40 Quarta Flats (Fast) Past Area	9	5	10	-2	b 11	9	4	5	4	1	1	0	4	1	2	-1
40 Quartz Flats (East) Rest Area	26	5	19	-14	11	26	40	-14	4	1	3	-2	4	1	4	-3
41 Qualitz Fidis (West) Rest Area	15	3	10	-15	10	21 A	27	2	4	1	2	-1	4	1	4	
42 Roberts Post Area	15	4	4	-1	10	4	1	2	2	1	1	1	2	1	1	
45 NUDELS RESLATED	0 1/	2	5	-1	7	10	20	-10	2	1	1	0	2 - A	1	1	
45 Teton River (North) Rest Area	19	2	3	-2	, 0	5	5	0	4	1	0	1	4	1	1	0
46 Teton River (South) Rest Area	20	2		-1		5	7	-2	2	1	1	0	2	1	1	0
47 Troy Rest Area	20	2	4	-2	5	1	1	-2	2	1	0	1	3	1	1	0
48 Vandalia Rest Area	14	2	2	0	3	2	1	1	2	1	0	1	2	1	1	0
49 Wibaux Rest Area	27	9			8	22	-	-	2	2		-	2	2	-	L
		-			-				_	-			_			

Note: Passenger and Oversized Vehicles with a difference of more than five from 2011 to 2016 demand calculations have been flagged and highlighted in RED. Similarily, restroom stall demand calculations with more than a difference of three have been flagged and highlighted in RED. 2011 demand calculations used **Peak Daily Door Counts** and WTI methodology; 2016 demand calculations utilized **90th Percentile Patron Door Counts**.

Attachment 6

SEASONAL AND AXLE ADJUSTMENT FACTORS 2017



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
RI	Jan	0.724	0.706	0.655	0.638	0.66	0.699	0.691	RI	Jan	1.537	1.514	1.595	1.523	1.411	1.246	1.382
	Feb	0.723	0.707	0.659	0.644	0.674	0.724	0.709		Feb	1.424	1.404	1.443	1.425	1.389	1.171	1.356
	Mar	0.769	0.712	0.675	0.675	0.701	0.748	0.74		Mar	1.086	1.276	1.229	1.179	1.108	0.956	1.102
	Apr	0.778	0.736	0.686	0.684	0.714	0.752	0.754		Apr	1.041	1.093	1.125	1.063	0.992	0.918	1.008
	May	0.795	0.761	0.71	0.701	0.73	0.78	0.769		Мау	0.95	0.972	1.037	1.006	0.911	0.788	0.956
	Jun	0.816	0.771	0.733	0.73	0.756	0.796	0.784		Jun	0.786	0.87	0.904	0.851	0.8	0.712	0.848
	Jul	0.833	0.796	0.757	0.758	0.775	0.806	0.812		Jul	0.72	0.796	0.851	0.776	0.741	0.682	0.734
	Aug	0.828	0.789	0.752	0.744	0.771	0.808	0.807		Aug	0.724	0.8	0.816	0.808	0.757	0.674	0.74
	Sep	0.801	0.779	0.729	0.71	0.734	0.789	0.778		Sep	0.915	0.921	0.99	0.966	0.917	0.791	0.927
	Oct	0.781	0.734	0.693	0.693	0.72	0.766	0.753		Oct	0.976	1.082	1.1	1.021	0.963	0.861	1.006
	Nov	0.78	0.717	0.692	0.701	0.699	0.754	0.747		Nov	1.087	1.274	1.176	1.092	1.23	1.122	1.176
	Dec	0.74	0.701	0.708	0.691	0.709	0.735	0.744		Dec	1.595	1.607	1.284	1.289	1.203	1.237	1.378



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
RMA	Jan	0.872	0.829	0.82	0.799	0.816	0.852	0.871	RMA	Jan	1.748	1.545	1.57	1.542	1.417	1.254	1.437
	Feb	0.878	0.829	0.811	0.805	0.821	0.861	0.879		Feb	1.594	1.357	1.394	1.415	1.324	1.163	1.367
	Mar	0.891	0.831	0.815	0.822	0.838	0.863	0.897		Mar	1.289	1.287	1.26	1.223	1.215	1.085	1.215
	Apr	0.907	0.845	0.83	0.825	0.841	0.872	0.907		Apr	1.247	1.127	1.127	1.084	1.021	0.99	1.107
	Мау	0.916	0.867	0.839	0.83	0.853	0.882	0.903		Мау	0.95	0.926	0.959	0.947	0.905	0.798	0.917
	Jun	0.919	0.872	0.859	0.847	0.865	0.888	0.917		Jun	0.822	0.834	0.867	0.817	0.8	0.724	0.833
	Jul	0.927	0.875	0.868	0.861	0.87	0.894	0.918		Jul	0.8	0.781	0.823	0.758	0.747	0.682	0.765
	Aug	0.932	0.87	0.854	0.852	0.876	0.894	0.915		Aug	0.837	0.823	0.843	0.834	0.787	0.728	0.817
	Sep	0.919	0.878	0.842	0.835	0.851	0.885	0.911		Sep	0.994	0.913	0.933	0.935	0.887	0.811	0.931
	Oct	0.89	0.836	0.825	0.821	0.841	0.869	0.886		Oct	1.061	0.974	1	0.956	0.901	0.789	0.942
	Nov	0.892	0.82	0.815	0.821	0.835	0.871	0.89		Nov	1.166	1.124	1.089	1.034	1.108	0.995	1.135
	Dec	0.885	0.832	0.815	0.809	0.82	0.853	0.887		Dec	1.777	1.469	1.284	1.317	1.259	1.25	1.514



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
RMC	Jan	0.863	0.81	0.803	0.8	0.81	0.832	0.892	RMC	Jan	1.774	1.236	1.134	1.108	1.108	1.048	1.384
	Feb	0.885	0.843	0.836	0.844	0.849	0.853	0.898		Feb	1.653	1.129	1.085	1.082	1.07	1.052	1.365
	Mar	0.897	0.845	0.827	0.843	0.837	0.859	0.9		Mar	1.408	1.045	0.99	0.98	0.998	0.988	1.244
	Apr	0.877	0.83	0.819	0.817	0.83	0.834	0.868		Apr	1.37	0.978	0.925	0.895	0.889	0.907	1.117
	Мау	0.881	0.797	0.791	0.792	0.786	0.823	0.867		Мау	1.168	0.9	0.849	0.845	0.822	0.817	1.042
	Jun	0.908	0.815	0.81	0.808	0.812	0.873	0.909		Jun	1.15	0.825	0.838	0.803	0.803	0.799	1.018
	Jul	0.897	0.834	0.804	0.793	0.808	0.867	0.903		Jul	1.154	0.848	0.868	0.797	0.793	0.782	1.013
	Aug	0.896	0.839	0.82	0.826	0.827	0.871	0.883		Aug	1.203	0.881	0.86	0.85	0.853	0.824	1.033
	Sep	0.901	0.864	0.847	0.851	0.858	0.882	0.907		Sep	1.28	0.991	0.884	0.885	0.866	0.86	1.095
	Oct	0.875	0.82	0.829	0.821	0.821	0.854	0.886		Oct	1.342	0.934	0.893	0.879	0.869	0.851	1.081
	Nov	0.886	0.797	0.816	0.837	0.828	0.847	0.884		Nov	1.438	0.993	0.943	0.96	1.032	0.999	1.314
	Dec	0.883	0.84	0.844	0.822	0.849	0.863	0.887		Dec	1.73	1.214	1.108	1.1	1.072	1.06	1.449



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
RPA	Jan	0.897	0.828	0.813	0.811	0.815	0.849	0.892	RPA	Jan	1.684	1.453	1.478	1.401	1.306	1.141	1.444
	Feb	0.898	0.835	0.813	0.817	0.829	0.869	0.907		Feb	1.541	1.328	1.336	1.331	1.247	1.088	1.406
	Mar	0.909	0.826	0.811	0.818	0.823	0.865	0.905		Mar	1.251	1.232	1.208	1.17	1.129	0.995	1.247
	Apr	0.91	0.836	0.816	0.817	0.831	0.864	0.91		Apr	1.235	1.089	1.106	1.056	1.003	0.919	1.114
	Мау	0.92	0.854	0.827	0.829	0.839	0.871	0.915		Мау	1.037	0.96	0.986	0.968	0.909	0.798	1
	Jun	0.933	0.852	0.839	0.836	0.846	0.876	0.918		Jun	0.838	0.84	0.878	0.836	0.805	0.702	0.888
	Jul	0.931	0.874	0.856	0.853	0.859	0.88	0.924		Jul	0.784	0.772	0.841	0.761	0.736	0.676	0.799
	Aug	0.93	0.858	0.844	0.843	0.854	0.882	0.923		Aug	0.819	0.804	0.819	0.806	0.77	0.693	0.831
	Sep	0.921	0.863	0.837	0.834	0.842	0.882	0.921		Sep	0.999	0.91	0.938	0.932	0.905	0.777	0.955
	Oct	0.901	0.825	0.808	0.81	0.825	0.862	0.895		Oct	1.123	1.016	1.037	0.956	0.917	0.828	1.064
	Nov	0.906	0.834	0.823	0.834	0.837	0.87	0.902		Nov	1.262	1.153	1.117	1.038	1.18	1.055	1.286
	Dec	0.901	0.844	0.833	0.829	0.835	0.858	0.904		Dec	1.696	1.437	1.269	1.32	1.211	1.176	1.47



Axle Facto	rs								Seasonal I	actors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
UC	Jan	0.999	0.995	0.996	0.994	0.993	0.996	0.998	UC	Jan	1.694	1.187	1.104	1.079	1.047	1.016	1.29
	Feb	0.999	0.995	0.994	0.995	0.994	0.997	0.999		Feb	1.529	1.095	1.046	1.047	1.035	0.995	1.23
	Mar	0.999	0.99	0.99	0.989	0.991	0.993	0.999		Mar	1.338	0.987	1.024	0.965	0.984	0.911	1.111
	Apr	0.999	0.987	0.985	0.983	0.987	0.99	0.998		Apr	1.368	0.96	0.901	0.891	0.89	0.863	1.055
	Мау	0.998	0.983	0.975	0.974	0.975	0.985	0.997		Мау	1.222	0.934	0.87	0.872	0.833	0.808	1.026
	Jun	0.998	0.979	0.977	0.976	0.981	0.984	0.996		Jun	1.182	0.897	0.895	0.859	0.86	0.818	1.02
	Jul	0.998	0.983	0.982	0.982	0.981	0.982	0.994		Jul	1.216	0.909	0.931	0.851	0.862	0.831	1.042
	Aug	0.997	0.981	0.975	0.976	0.976	0.985	0.997		Aug	1.224	0.907	0.889	0.863	0.851	0.832	1.062
	Sep	0.998	0.986	0.977	0.978	0.977	0.982	0.995		Sep	1.286	0.978	0.879	0.885	0.885	0.851	1.06
	Oct	0.999	0.985	0.985	0.984	0.982	0.987	0.998		Oct	1.368	0.947	0.913	0.904	0.902	0.873	1.092
	Nov	0.999	0.988	0.989	0.986	0.989	0.993	0.999		Nov	1.46	0.998	0.964	0.968	1.056	0.975	1.234
	Dec	0.999	0.995	0.993	0.993	0.995	0.995	0.999		Dec	1.48	1.169	1.022	1.035	1.002	0.982	1.196



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
UI	Jan	0.861	0.856	0.842	0.828	0.845	0.866	0.865	UI	Jan	1.597	1.225	1.232	1.17	1.078	1.002	1.19
	Feb	0.862	0.858	0.844	0.831	0.846	0.871	0.876		Feb	1.456	1.112	1.096	1.117	1.061	0.948	1.138
	Mar	0.876	0.853	0.845	0.837	0.849	0.874	0.881		Mar	1.23	1.031	1	0.976	0.972	0.871	1.022
	Apr	0.878	0.86	0.844	0.838	0.852	0.877	0.882		Apr	1.22	0.97	0.957	0.924	0.892	0.839	0.972
	May	0.881	0.863	0.843	0.833	0.845	0.871	0.879		Мау	1.129	0.976	0.943	0.938	0.903	0.827	0.981
	Jun	0.889	0.854	0.837	0.835	0.846	0.878	0.882		Jun	1.03	0.919	0.908	0.888	0.866	0.799	0.964
	Jul	0.896	0.865	0.854	0.843	0.852	0.872	0.889		Jul	1.062	0.896	0.933	0.879	0.866	0.814	0.957
	Aug	0.889	0.86	0.846	0.838	0.85	0.879	0.889		Aug	1.016	0.891	0.89	0.87	0.846	0.793	0.924
	Sep	0.878	0.866	0.842	0.827	0.837	0.871	0.883		Sep	1.213	1.008	0.952	0.937	0.92	0.851	1.022
	Oct	0.867	0.85	0.83	0.82	0.836	0.866	0.871		Oct	1.254	1.028	0.99	0.945	0.927	0.862	1.038
	Nov	0.877	0.853	0.838	0.835	0.851	0.875	0.877		Nov	1.302	1.063	1.013	1.01	1.095	0.998	1.162
	Dec	0.87	0.858	0.855	0.846	0.854	0.871	0.886		Dec	1.545	1.231	1.063	1.074	1.043	1.04	1.262



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
UMA	Jan	0.999	0.995	0.996	0.994	0.993	0.996	0.998	UMA	Jan	1.694	1.187	1.104	1.079	1.047	1.016	1.29
	Feb	0.999	0.995	0.994	0.995	0.994	0.997	0.999		Feb	1.529	1.095	1.046	1.047	1.035	0.995	1.23
	Mar	0.999	0.99	0.99	0.989	0.991	0.993	0.999		Mar	1.338	0.987	1.024	0.965	0.984	0.911	1.111
	Apr	0.999	0.987	0.985	0.983	0.987	0.99	0.998		Apr	1.368	0.96	0.901	0.891	0.89	0.863	1.055
	Мау	0.998	0.983	0.975	0.974	0.975	0.985	0.997		Мау	1.222	0.934	0.87	0.872	0.833	0.808	1.026
	Jun	0.998	0.979	0.977	0.976	0.981	0.984	0.996		Jun	1.182	0.897	0.895	0.859	0.86	0.818	1.02
	Jul	0.998	0.983	0.982	0.982	0.981	0.982	0.994		Jul	1.216	0.909	0.931	0.851	0.862	0.831	1.042
	Aug	0.997	0.981	0.975	0.976	0.976	0.985	0.997		Aug	1.224	0.907	0.889	0.863	0.851	0.832	1.062
	Sep	0.998	0.986	0.977	0.978	0.977	0.982	0.995		Sep	1.286	0.978	0.879	0.885	0.885	0.851	1.06
	Oct	0.999	0.985	0.985	0.984	0.982	0.987	0.998		Oct	1.368	0.947	0.913	0.904	0.902	0.873	1.092
	Nov	0.999	0.988	0.989	0.986	0.989	0.993	0.999		Nov	1.46	0.998	0.964	0.968	1.056	0.975	1.234
	Dec	0.999	0.995	0.993	0.993	0.995	0.995	0.999		Dec	1.48	1.169	1.022	1.035	1.002	0.982	1.196



Axle Facto	ors								Seasonal	Factors							
Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Group	Month	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
UPA	Jan	0.991	0.984	0.981	0.982	0.984	0.986	0.994	UPA	Jan	1.727	1.158	1.076	1.047	1.021	0.974	1.297
	Feb	0.993	0.982	0.979	0.98	0.982	0.984	0.994		Feb	1.643	1.095	1.021	1.037	1.008	0.962	1.259
	Mar	0.997	0.989	0.987	0.986	0.986	0.988	0.996		Mar	1.488	1.016	0.976	0.959	0.998	0.917	1.172
	Apr	0.992	0.976	0.978	0.976	0.974	0.978	0.993		Apr	1.421	0.954	0.921	0.903	0.902	0.868	1.1
	Мау	0.989	0.973	0.971	0.969	0.971	0.977	0.991		Мау	1.324	0.976	0.903	0.906	0.884	0.839	1.071
	Jun	0.986	0.963	0.962	0.96	0.97	0.969	0.986		Jun	1.273	0.894	0.879	0.857	0.855	0.819	1.056
	Jul	0.991	0.979	0.97	0.972	0.975	0.979	0.99		Jul	1.246	0.887	0.937	0.843	0.833	0.814	1.064
	Aug	0.99	0.973	0.972	0.971	0.974	0.98	0.99		Aug	1.26	0.883	0.857	0.851	0.843	0.825	1.058
	Sep	0.992	0.976	0.974	0.974	0.975	0.977	0.992		Sep	1.352	1.012	0.886	0.882	0.877	0.831	1.099
	Oct	0.991	0.973	0.969	0.972	0.972	0.974	0.99		Oct	1.415	0.942	0.908	0.897	0.893	0.853	1.106
	Nov	0.992	0.975	0.974	0.975	0.978	0.981	0.994		Nov	1.507	0.974	0.934	0.93	1.031	0.959	1.229
	Dec	0.99	0.981	0.98	0.979	0.982	0.983	0.993		Dec	1.531	1.141	1.011	0.998	0.974	0.955	1.253

Attachment 7 WATER CALCULATIONS

Rest Area Water System Summary

				Water Systems			
Rest Area Name	Municipal System (Y/N)	Source Capability to Meet Peak Daily Demand	Storage Capability to Meet Peak Instantaneous Demand	Operation & Maintenance	Backflow Prevention	Source Quality (Transient Non- Community)	Water System Remaining Service Life ¹
1 Anaconda Rest Area	No	Excellent	Fair	Fair	Excellent	Good	Fair
2 Armington Junction Rest Area	No	Poor	Fair	Fair	Excellent	Fair	Good
3 Bad Route Rest Area	No	Excellent	Good	Fair	Excellent	Fair	Poor
4 Bearmouth (East) Rest Area	No	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
5 Bearmouth (West) Rest Area	No	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
6 Bozeman Rest Area	Yes	-	-	-	-	-	-
7 Bridger Rest Area	No	Excellent	Excellent	Fair	Excellent	Good	Excellent
8 Broadus Rest Area	No	Excellent	Excellent	Fair	Excellent	Poor	Fair
9 Clearwater Junction Rest Area	No	Excellent	Fair	Fair	Excellent	Good	Poor
10 Columbus (East) Rest Area	No	Excellent	Fair	Excellent	Excellent	Excellent	Excellent
11 Columbus (West) Rest Area	No	Excellent	Fair	Excellent	Excellent	Good	Excellent
12 Conrad Rest Area	Yes	-	-	-	-	-	-
13 Culbertson Rest Area	Yes	-	-	-	-	-	-
14 Custer (East) Rest Area	No	Excellent	Good	Fair	Excellent	Excellent	Poor
15 Custer (West) Rest Area	No	Excellent	Excellent	Fair	Excellent	Excellent	Poor
16 Dearborn (North) Rest Area	No	Excellent	Fair	Excellent	Excellent	Excellent	Good
17 Dearborn (South) Rest Area	No	Excellent	Fair	Excellent	Excellent	Excellent	Good
18 Dena Mora (East) Rest Area	No	Excellent	Good	Fair	Excellent	Good	Good
19 Dena Mora (West) Rest Area	No	Excellent	Excellent	Fair	Excellent	Good	Good
20 Divide (North) Rest Area	No	Excellent	Excellent	Excellent	Excellent	Good	Excellent
21 Divide (South) Rest Area	No	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
22 Emigrant Rest Area	No	Excellent	Fair	Fair	Excellent	Good	Poor
23 Flowing Wells Rest Area	No	Excellent	Fair	Excellent	Excellent	Excellent	Excellent
24 Gold Creek (East) Rest Area*	No	Poor	Fair	Poor	Excellent	Good	Poor
25 Gold Creek (West) Rest Area*	No	Poor	Poor	Poor	Excellent	Fair	Poor
26 Greycliff (East) Rest Area	No	Excellent	Excellent	Excellent	Excellent	Good	Good
27 Greycliff (West) Rest Area	No	Excellent	Excellent	Excellent	Excellent	Good	Good
28 Hardin (East) Rest Area	No	Poor	Fair	Fair	Excellent	Good	Good
29 Hardin (West) Rest Area	No	Poor	Fair	Fair	Excellent	Good	Good
30 Harlowton Rest Area	Yes	-	-	-	-	-	-
31 Hathaway (East) Rest Area	No	Excellent	Fair	Fair	Excellent	Fair	Poor
32 Hathaway (West) Rest Area	No	Excellent	Fair	Fair	Excellent	Fair	Good
33 Hysham (East) Rest Area	No	Excellent	Good	Excellent	Excellent	Excellent	Excellent
34 Hysham (West) Rest Area	No	Excellent	Fair	Excellent	Excellent	Excellent	Excellent
35 Jefferson City (North) Rest Area	No	Excellent	Excellent	Fair	Excellent	Fair	Poor
36 Jefferson City (South) Rest Area	No	Excellent	Excellent	Fair	Excellent	Good	Poor
37 Lima Rest Area	Yes	-	-	-	-	-	-
38 Lost Trail Pass Rest Area	No	Excellent	Excellent	Fair	Excellent	Good	Poor
39 Mosby Rest Area	No	Fair	Fair	Fair	Excellent	Good	Fair
40 Quartz Flats (East) Rest Area	No	Excellent	Excellent	Fair	Excellent	Fair	Good
41 Quartz Flats (West) Rest Area	No	Excellent	Excellent	Fair	Excellent	Fair	Poor
42 Raynolds Pass Rest Area	No	Excellent	Fair	Excellent	Excellent	Good	Excellent
43 Roberts Rest Area	No	Poor	Fair	Fair	Excellent	Good	Poor
44 Sweet Grass Rest Area	Yes	-	-	-	-	-	-
45 Teton River (North) Rest Area	Yes	-	-	-	-	-	-
46 Teton River (South) Rest Area	Yes	-	-	-	-	-	-
47 Troy Rest Area	No	Excellent	Fair	Fair	Excellent	Excellent	Poor
48 Vandalia Rest Area	No	Poor	Fair	Fair	Excellent	Good	Poor
49 Wibaux Rest Area	Yes	-	-	-	-	-	-

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

1) The remaining service life is based on a 20-year service life from the year 2018 to the most recent well rehabilitation or facility reconstruction.

Rest Area Water Source & General Information

AnisolutionNumber of NetworkNumber of NetworkNumber of NetworkConcar System in Number of NetworkConcar System in Number of NetworkAnomalo Lakon Ken Area0.5 Se WeiAnomalo Ministry40.00003 ganNumber of NetworkNumber of NetworkSin Roo Ken Yee0.5 Se WeiAnomalo Ministry40.00003 ganNumber of NetworkNumber of NetworkSin Roo Ken Yee0.5 Se WeiMinistry60.00003 ganNumber of NetworkNumber of NetworkSin Roo Ken Yee0.5 Se WeiMinistry60.00003 ganNumber of NetworkNumber of NetworkSin Roo Ken Yee0.5 Se WeiMinistry40.000003 ganNumber of NetworkNumber of NetworkSin Roo Ken Xee0.5 Se WeiMinistry40.1000010.0000Number of NetworkNumber of NetworkSin Roo Ken Xee0.5 Se WeiMinistry40.1000010.0000Number of NetworkNumber of NetworkCenward Jan Ken Xee0.5 Se WeiMinistry10.0000Number of NetworkNumber of NetworkCenward Jan Ken Xee0.5 Se WeiMinistry10.0000Number of NetworkNumber of NetworkCenward Jan Ken Xee0.5 Se WeiMinistry10.0000Number of NetworkNumber of NetworkCenward Jan Ken Xee0.5 Se WeiMinistry10.00000Number of NetworkNumber of NetworkCenward Jan Ken Xee0.5 Se WeiMinistry10.00000Number of NetworkNumber of NetworkCenward Jan Ken XeeNumber of Netw				DNRC Water	^r Rights	Backflow	
Accounts for Arcs On site with Institution The site of the section of the sectin of the section of the section o	Facility Name	Water Source Serving Facility	Public Water System Number	Reference #	Allowable Pump Rate	Prevention on Irrigation System	General System Notes
Image to Junction Rest Area On Size Weil M10000000 41 g Kold 200 10 grant and grant and grant and grant methods. 10 grant and grant and grant methods. Half Rock Ref Area On-Size Weil M1000100 Kold rows S g m1 Yee Operation Size Size Size Size Size Size Size Size	Anaconda Rest Area	On-Site Well	MT0004638	76G 30045758	35 gpm	Yee	No major system issues; Well pump drop pipe replaced in 2015 due to
Image: Non-Start Area	Armington Junction Rest Area	On-Site Well	MT0001958	41Q 86562 00	30 gpm	Yes	pinnoies in gaivanized pipe, indication of corrosive water. Water source also serves weigh station and MDT shops. Demand calculations do not reflect these facilities
Name No. No. <td>Bad Route Rest Area</td> <td>On-Site Well</td> <td>MT0001696</td> <td>Not Found</td> <td>35 gpm</td> <td>165</td> <td>Operator have difficult accessing and maintaining system located in basement. Artesian well with 500 gallon storage tank. Irrigation water from</td>	Bad Route Rest Area	On-Site Well	MT0001696	Not Found	35 gpm	165	Operator have difficult accessing and maintaining system located in basement. Artesian well with 500 gallon storage tank. Irrigation water from
Columbia On-Size Weil Microsoft / Algo and a set of the set of t			NAT0001070	700 200002000	25	No	canal/diversion gate.
Same ministration for the stand sector of t	Bearmouth (East) Rest Area	On-Site Well	MT0001979	76G 30066308	35 gpm	Yes	Original well; Well pumps replaced with 2014 facility reconstruction.
Indep Ref. Area On-Stak Veli Introduction App Statute App Statute Brandbar Rest. Area On-Stak Veli MT0001684 421 104053.00 25 gam Yee Mater Source also served up instatute 228/2017, tystem has been also been	Bozeman Rest Area	Municipal	N/A	N/Δ	N/A	Yes	Original well, well pumps replaced with 2014 facility reconstruction.
Instance On Sin Will Matron Will will will will will will will will	Bridger Rest Area	On-Site Well	MT0001968	43D 163902 00	30 gpm	Yes	New Well Drilled in 2015; New well pump installed 8/28/2017; system has periodic issues with sand.
Clearnater Junction Rest Area On-Site Well MT0000456 7p1 105220 0 10 gm Water source allow scale MC during Sub or in effect the site Sub and end and sub or intervent with 2012 and rest and end with set Sub or in effect the site Sub or intervent with 2012 and rest and end with set Sub or intervent with 2012 and rest and end with set Sub or intervent with 2012 Sub or inte	Broadus Rest Area	On-Site Well	MT0004037	42J 104953 00	35 gpm	Yes	Water source also serves weigh station. Demand calculations do not reflect this facility.
Columbox (Ex) Rest Area On-Site Well M000188 430, 163389 25 gm New Well pump, ping, lift, and pressure tankin 2015 with rest area Columbox (Kust) Rest Area On-Site Well M0002295 430, 185300 30 gm New Well pump, ping, lift, and pressure tankin 2015 with rest area Columbox Rest Area On-Site Well M0002751 410, 2100 25 gm New Well pump, ping, lift, and pressure tankin 2015 with rest area Culter Kink Rest Area On-Site Well M0001752 410, 21000 25 gm New New Well pump, ping, lift, and pressure tankin 2015 with rest area Culter Kink Rest Area On-Site Well M0001752 410, 21000 25 gm Yes New Well pump, ping, with rest area New Well pump, ping, lift, and pressure tankin, 2015 with rest area Culter Kink Rest Area On-Site Well M0001752 410, 2000281 35 gm Yes New Well pump, ping, with rest area New Well pump, ping, lift, and pressure tankin, 2015 with rest area Destite Mink Rest Area On-Site Well M0001752 410, 2000281 35 gm Yes New Well pump, ping, with rest area New Well pump, ping, with rest area Devide Mink Rest Area On-Site Well	Clearwater Junction Rest Area	On-Site Well	MT0004165	76F 105239 00	10 gpm	Yes	Water source also serves RV dump station and weigh station. Demand calculations do not reflect these facilities. Well is located 1/2 sw of rest area. Facility sees increased traffic due to FWP's boat inspection station and RV septage dump.
Columbus (West) Rest Area On Site West Number of the state and the stat	Columbus (East) Rest Area	On-Site Well	MT0001887	43QJ 163899 00	25 gpm	Yes	New well pump, piping, filter, and pressure tanks in 2016 with rest area reconstruction.
Concred Ret Area Municipal N/A N/A N/A Ves Claster Ital Nets Area On Site Weil M1000175 430 2133 00 28 gpm Yes Net weil putting fram Columbus 0.017. Claster Ital Nets Area On Site Weil M1000175 430 2133 000330 35 gpm Yes Net weil putting fram Columbus 0.017. A100 217. Dearbarn (South) Best Area On Site Weil M1000175 410 3000330 35 gpm Yes Southboard weil serves both Southboard and contributional and contributional dist. Dearbarn (South) Best Area On Site Weil M1000276 Not Found 35 gpm Yes Orginal weil; Weil putting repleced with 2015 facility reconstruction. Divide (North) Rest Area On Site Weil M1000276 Not Found 35 gpm Yes Orginal weil; Weil putting repleced with 2015 facility reconstruction. Divide (North) Rest Area On Site Weil M1000276 Not Found 35 gpm Yes Orginal weil; Weil putting repleced with 2015 facility reconstruction. Divide (North) Rest Area On Site Weil M1000277 A05 reves Preside Rest Area Not Site Weil M10000278	Columbus (West) Rest Area	On-Site Well	MT0002595	43QJ 163900 00	30 gpm	Yes	New well pump, piping, filter, and pressure tanks in 2016 with rest area reconstruction. More sulfur smell than east bound RA.
Cubertson best Area Municipal N/A N/A V/A Ves Cuberts (East Reval On-Site Weil M1000175 410.2163 00 38 gpm Ves New weil pump from Columbus RA 2017. Cuberts (Weit) Rest Area On-Site Weil M1000175 410.2163 00 38 gpm Ves Southbound weil serves both Southbound and northbound site. Dearborn (Weith Rest Area On-Site Weil M1000175 410.2000383 38 gpm Ves Southbound weil serves both Southbound and northbound site. Dearborn (Weith Rest Area On-Site Weil M1000175 A10.2000383 38 gpm Ves Orginal weil: Weil pump repleced with 2015 facility reconstruction. Divide [South] Rest Area On-Site Weil M10001755 A18 72312 00 15 gpm Ves Ves Weils located in an island/depression, potential for surface water influence. Rowing Weilk Rest Area On-Site Weil M1000175 A10 117250 21 gpm Ves Hot server a science owned by MD1. Remand calculations do not reflect imb facility reconstruction. Gid Greek (Katt) Rest Area* On-Site Weil M10001757 A10 117250 22 gpm Ves Hot server dod	Conrad Rest Area	Municipal	N/A	N/A	N/A	Yes	
Custer (vast) keit Area On-Site Weil MT000175 4302 2163 00 28 gpm Yes New well pump from Columbus KA 2017. Dearborn (North) Keit Area On-Site Weil MT0001756 4102 3002831 38 gpm Yes Southbound well seves both Southbound and northbound sites. Dearborn (North) Keit Area On-Site Weil MT0001756 4102 3002831 38 gpm Yes Southbound well seves tooth Southbound and northbound sites. Dearborn South Keit Area On-Site Weil MT0001755 4102 300281 38 gpm Yes Southbound well seves tooth Southbound and northbound sites. Divide Jouch Jost Area On-Site Weil MT0001755 4107 found 38 gpm Yes Original weil: Well pump replaced with 2015 focility reconstruction. Divide Jouch Jou	Culbertson Rest Area	Municipal	N/A	N/A	N/A	Yes	
Custer (Vest) Rest Area On Site Weil M1000175 420 2162/00 35 gpm Ves New end pump from Countinues AR A017. Dearborn (West) Rest Area On Site Weil M1000154 4120 300283 35 gpm Ves Southbound well evers borth Southbound and northbound site. Dearborn (Storth Rest Area On Site Weil M1000154 4120 300283 35 gpm Ves Southbound well evers borth Southbound and northbound site. Dearborn (Storth Rest Area On Site Weil M1000154 410 a00283 M1000156 Nest Orthold Southbound well evers borth Southbound and northbound site. Dearborn (Storth Rest Area On Site Weil M1000156 Net Found 35 gpm Yes Original well, Weil pumps replaced with 2015 foilty reconstruction. River (Vest) Rest Area On Site Weil M1000156 Net Found 35 gpm Yes Original well, Weils Net Area On Site Weil M1000157 Asho zerves a residence owned by M01. Demand calculations do not reflect this facility. New Kaithy construction. Forward Heat Area On Site Weil M1000257 760 11728 00 23 gpm Ves Rest Area closed passoonal highing troundwater. New Keil West Nestat Nothe New K	Custer (East) Rest Area	On-Site Well	MT0001751	43Q 2163 00	26 gpm	Yes	
Order Doming Personant Stress Difference Personant Stress Personant Stress Beartom Stock (Figure Stress and Stress) On-Site Well MT0001595 41.03 8002/3803 Stress and St	Custer (West) Rest Area	On-Site Well	MT0001752	43Q 2162 00	35 gpm	Yes	New well pump from Columbus RA 2017.
Instruction On-Site Weil M10001392 4.0.4 30:00000000000000000000000000000000000	Dearborn (North) Rest Area	On-Site Well	N4T00010E0	4101 30002830	35 gpm	Yes	Southbound well serves both Southbound and northbound sites.
$ \begin{array}{c} \mbox{basil} (ast) (best) Area (best) (best$	Dearborn (South) Rest Area	On-Site Well	MT0001042	41QJ 30002831	35 gpm	Yes	Southbound well serves both Southbound and northbound sites.
Divide (both) Rest Area Don Site Well MT0001950 Not Found 25 gm Ves Original well, Well pumps replaced with 2015 facility reconstruction. Divide (both) Rest Area On Site Well MT0002576 Not Found 25 gm Ves Original well, Well pumps replaced with 2015 facility reconstruction. Divide (both) Rest Area On Site Well MT0001955 438 72312 0 15 gm Ves Original well, Well pumps replaced with 2015 facility reconstruction. Divide (both) Rest Area On Site Well MT0001955 438 72312 0 15 gm Ves Wells (boted in an island/dpress, optential for syndre water influence. Also serves a residence owned by MDT. Demand calculations do not reflect this facility. New facility construction 2015. Pumped artesian well. Gold Creek (Stat) Best Area ⁺ On Site Well MT0001957 Not Found 35 gm Ves Best Area closed: seasonally high groundwater. New well in 2000. Greyrulff (bast) Rest Area ⁺ On Site Well MT0002577 766 11122 80 12 ggm Ves Best Area closed: seasonally high groundwater. New well in 2000. Greyrulff (bast) Rest Area On Site Well MT0002583 438 153980 0 25 ggm Ves Original well: Well pumps replaced with 2013 facility: construction. Greyrulff (bast) Rest Area On Site Well MT0002583 439 153980 0 25 ggm Ves Original well: Well pumps replaced with 2013 facility: construction. Greyrulff (bast) Rest Area On Site Well MT0002580 432 1539810 2 2 ggm Ves Original well: Well pumps replaced with 2013 facility: construction. Greyrulf (bast) Rest Area On Site Well MT0002580 432 153980 0 2 2 ggm Ves Original well: Well pumps replaced with 2013 facility: construction. Greyrulf (bast) Rest Area Municipal N/A N/A V/A V/A Ves Hardan (West) Rest Area Municipal N/A MITO002581 422 153870 0 30 ggm Ves Disparse National MT0002592 422 153870 0 30 ggm Ves Disparse National MT0002592 422 153870 0 30 ggm Ves Not Found 35 ggm Ves Not Found 35 ggm Ves Disparse National MT0002592 422 153870 0 30 ggm Ves Not Found 35 ggm Ves Not Found 3	Dena Mora (West) Rest Area	On-Site Well	MT0002693	Not Found	35 gpm	Ves	Original well, well pumps replaced with 2013 facility reconstruction.
Didde (South) Rest Area On-Site Well M0002676 Not Found 35 gpm Yes Original Well, Well pumps replaced with 2015 facility reconstruction. Emigrant Rest Area On-Site Well M10001955 438 72312.00 15 gpm Yes Wells located in an island/depression, potential for surface water influence. Flowing Wells Rest Area* On-Site Well M10001976 Not Found 35 gpm Yes Nest Area Code; aesonably high proundwater. Gold Creek (East) Rest Area* On-Site Well M10002977 Not Found 35 gpm Yes Rest Area Code; aesonably high proundwater. New Well In 2005. M100002977 32 gpm Yes Rest Area Code; aesonably high proundwater. Not Found 32 gpm Yes Negt Area Code; aesonably high proundwater. Not Found 32 gpm Yes Original well; Well pumps replaced with 2015 facility reconstruction. Reyr(Iff (Kast) Rest Area On-Site Well M100001957 438 104862.00 32 gpm Yes Original well; Well pumps replaced with 2015 facility reconstruction. Reyr(Iff (Kast) Rest Area On-Site Well M10002180 432 153962.00 22 gpm Yes Reyr(Facility Rest Area <td< td=""><td>Divide (North) Rest Area</td><td>On-Site Well</td><td>MT0001950</td><td>Not Found</td><td>35 gpm</td><td>Yes</td><td>Original well: Well pumps replaced with 2015 facility reconstruction.</td></td<>	Divide (North) Rest Area	On-Site Well	MT0001950	Not Found	35 gpm	Yes	Original well: Well pumps replaced with 2015 facility reconstruction.
Emigrant Rest Area On-Site Well MT0001955 438 72312 00 15 gpm Yes Wells located in an island/depression, potential for surface water influence. Flowing Wells Rest Area On-Site Well MT0001964 406 80537 00 23 gpm Also serves a residence owned by MDT. Demand calculations do not reflect this facility. New facility construction 2015. Pumped artesian well. Gold Creek (Xest) Rest Area* On-Site Well MT000277 766 111728 00 23 gpm Yes Rest Area codsed; sesonally high groundwater. Gold Creek (West) Rest Area On-Site Well MT0002677 766 111728 00 23 gpm Yes Rest Area codsed; sesonally high groundwater. Greydiff (West) Rest Area On-Site Well MT0002683 438 1045920. 23 gpm Yes Orginal well; Well pumps replaced with 2013 facility reconstruction. Greydiff (West) Rest Area On-Site Well MT0002680 432 103863 00 22 gpm Yes State mas a separate drainfield.(FWW MT0001888). Hardin (Lest) Rest Area On-Site Well MT0002680 432 103863 00 22 gpm Yes State mas a separate drainfield.(FWW MT0001888). Hardowton Rest Area On-Site Well MT0002684 42X 17553 200 16 gpm Yes New construction 2017. Hysham (Lest) Rest Area On-Site Well MT0002591 42X 153868 00 28 gpm<	Divide (South) Rest Area	On-Site Well	MT0002676	Not Found	35 gpm	Yes	Original well: Well pumps replaced with 2015 facility reconstruction.
Plowing Weils Rest Area On-Site Weil MT0001964 40E 80337 00 23 gpm Also serves a residence owned by MDT. Demand calculations do not reflect this facility. New facility construction 2015. Pumped artesian weil. Gold Creek (Kest) Rest Area* On-Site Weil MT000277 256 111728 00 22 gpm Yes Rest Area closed; seasonally high groundwater. Greycliff (SaN Rest Area On-Site Weil MT0002787 248 109300 25 gpm Yes Rest Area closed; seasonally high groundwater. Greycliff (SaN Rest Area On-Site Weil MT0002881 438 1059800 25 gpm Yes Orginal well. Well pump replaced with 2013 facility reconstruction. Greycliff (West) Rest Area On-Site Weil MT0002880 430 163863 00 22 gpm Yes Orginal well. Well pump replaced with 2013 Raitity reconstruction. Hardin (Kest) Rest Area On-Site Weil MT000188 430 163863 00 22 gpm Yes Opstrem has a separate drainfield. Hardin (West) Rest Area On-Site Weil MT0002680 420 15320 2 gpm Yes Opstrem has a separate drainfield. Harbawy (Kest) Rest Area On-Site Weil MT0001972 42Xi 103870 2 gpm Yes Deg area surrounding the well in 2012 and could not be pulled due to sand plug. Drilled Harbawy (Kest) Rest Area On-Site Weil MT0002681 42Xi 103870	Emigrant Rest Area	On-Site Well	MT0001955	43B 72312 00	15 gpm	Yes	Wells located in an island/depression, potential for surface water influence.
Gold Creek (East) Rest Area* On-Site Weil MotTo001976 Not Found 35 gpm Yes Rest Area closed; seasonally high groundwater. Gold Creek (Vess) Best Area* On-Site Weil MT0001957 766 1117200 22 gpm Yes Rest Area closed; seasonally high groundwater. Greycliff (Lest) Rest Area On-Site Weil MT0001857 438 104906 200 35 gpm Yes Original well; Weil jumps replaced with 2013 facility reconstruction. Greycliff (West) Rest Area On-Site Weil MT0001888 43Q 163864 00 12 gpm Yes Original well; Weil jumps replaced with 2013 facility reconstruction. Hardin (Kest) Rest Area On-Site Weil MT0001888 43Q 163863 00 12 gpm Yes Operation Indicates the RO system has a separate drainfield. (KSW# MT0001882) Hardwork Rest Area On-Site Weil MT0002684 42K 163800 00 30 gpm Yes Dog area surrounding the well. (PSW# MT0001972) Hathaway (Last) Rest Area On-Site Weil MT0002684 42K 163868 00 16 gpm Yes Deg area surrounding the well. (PSW# MT0001972) Hysham (Last) Rest Area On-Site Weil MT0002684 42K 1153866 00 16 gp	Flowing Wells Rest Area	On-Site Well	MT0001964	40E 80537 00	23 gpm	Yes	Also serves a residence owned by MDT. Demand calculations do not reflect this facility. New facility construction 2015. Pumped artesian well.
Gold Creek (West) Rest Area* On-Site Well MT0002677 76 11128 00 22 gpm Yes Rest Area closed; seasonally high groundwater. New well in 2000. Greycliff (Staft Rest Area On-Site Well MT0002683 438 163908 00 25 gpm Yes Original well: Well pumps replaced with 2013 facility reconstruction. Greycliff (Staft Rest Area On-Site Well MT0002683 438 163908 00 22 gpm Yes Original well: Well pumps replaced with 2013 facility reconstruction. Hardin (Kest) Rest Area On-Site Well MT0002680 43Q 163863 00 22 gpm Yes Original well: Well pumps replaced with 2013 facility reconstruction. Hardowton Rest Area On-Site Well MT0001284 43Q 163863 00 22 gpm Yes Ogg area surrounding the well. (PSW# MT0001972) Hathaway (Est) Rest Area On-Site Well MT0002684 42X 15320 00 30 gpm Yes New construction 2017. Hathaway (West) Rest Area On-Site Well MT0002688 42X 153820 0 16 gpm Yes New construction 2017. Hathaway (West) Rest Area On-Site Well MT0002688 42X 153820 0 28 gpm Yes New	Gold Creek (East) Rest Area*	On-Site Well	MT0001976	Not Found	35 gpm	Yes	Rest Area closed; seasonally high groundwater.
GreyElf [East] Rest Area On-Site Well MT0001597 438 103908 00 25 gpm Yes Original well; Well pumps replaced with 2013 facility reconstruction. Hardin (East] Rest Area On-Site Well MT0002883 438 103908 00 22 gpm Yes Original well; Well pumps replaced with 2013 facility reconstruction. Hardin (East] Rest Area On-Site Well MT000288 430 (63864 00 12 gpm Yes Original well; Well pumps replaced with 2013 facility reconstruction. Hardin (East] Rest Area On-Site Well MT000288 430 (6386 00 22 gpm Yes System has a separate drainfield.(JSWM MT000188) Hardowton Rest Area Municipal N/A N/A N/A Yes Dog area surrounding the well. (PSW# MT0001972) Hathaway [East] Rest Area On-Site Well MT0002684 4217 5532 00 16 gpm Yes New construction 2017. Hysham (East] Rest Area On-Site Well MT0002581 42X1 163870 00 32 gpm Yes New construction 2017. Hysham (East] Rest Area On-Site Well MT0002591 A1196195 00 35 gpm Yes Nere construction 2017.	Gold Creek (West) Rest Area*	On-Site Well	MT0002677	76G 111728 00	22 gpm	Yes	Rest Area closed; seasonally high groundwater. New well in 2000.
Grey_Liff (West) Rest Area On-Site Well MT0002683 438 163908 00 25 gpm Yes Original well; Well pumps replaced with 2013 facility reconstruction. Hardin (East) Rest Area On-Site Well MT0001888 430 163864 00 12 gpm Yes Original well; Well pumps replaced with 2013 facility reconstruction. Hardin (East) Rest Area On-Site Well MT0002680 430 163864 00 12 gpm Yes Orgenation well that maniforming up during peak demand. Hardowton Rest Area Municipal N/A N/A N/A Yes Orgenation well that maniforming up during peak demand. Hardowton Rest Area On-Site Well MT0002680 42Xi 158870 00 30 gpm Yes Orgenation well hat maniforming the well (PSW# MT0001972) Hathaway (West) Rest Area On-Site Well MT0002684 42Xi 1588600 16 gpm Yes New construction 2017. Hysham (West) Rest Area On-Site Well MT0002588 42Xi 1588600 16 gpm Yes New construction 2017. Hysham (West) Rest Area On-Site Well MT0002591 411 9619500 25 gpm Yes Narable speed well pump/controls 2-3 yr old at fiel	Greycliff (East) Rest Area	On-Site Well	MT0001957	43B 104962 00	35 gpm	Yes	Original well; Well pumps replaced with 2013 facility reconstruction.
Hardin (East) Rest Area On-Site Well MT0001888 43Q 163864 00 12 gpm Operator indicates the R0 system has trouble keeping up during peak demand. R0 system has suboward crinified.(PSW# MT0001388) Hardowing Rest Area On-Site Well MT0001720 22 gpm System has two well that manifold outside of the building. The R0 system only feeds the sinks and drinking fountain. R0 System has a separate drinified.(PSW# MT0001387) Harlowing Rest Area On-Site Well MT0001720 42KJ 165870 00 30 gpm Yes Dig area surrounding the well. (PSW# MT0001972) Hathaway (Lest) Rest Area On-Site Well MT0001684 42KJ 165870 00 30 gpm Yes Well pump went out in 2012 and could not be pulled due to sand plug. Drilled a new well in 2013. Hysham (Lest) Rest Area On-Site Well MT0001694 42KJ 1638700 28 gpm Yes New construction 2017. Hysham (Lest) Rest Area On-Site Well MT0001592 Not Found 35 gpm Yes New construction 2017. Hysham (Lest) Rest Area On-Site Well MT0001592 Not Found 35 gpm Yes Variable speed well pump/controls 2-3 yr old at field visit (2018) & red staining preserin it toilets. Lifferson City (South) Rest Area	Greycliff (West) Rest Area	On-Site Well	MT0002683	43B 163908 00	25 gpm	Yes	Original well; Well pumps replaced with 2013 facility reconstruction.
Hardin (West) Rest AreaOn-Site WellMT0002680420 163863 0022 gpmYesSystem Task word that mannabul outside of unking fountain. RO System has a separated system (FSW# MT0002680)Harlowton Rest AreaMunicipalN/AN/AN/AYes(FSW# MT0002680)Hathaway (East) Rest AreaOn-Site WellMT000268442X1 7532016 gpmYesDeg area surrounding the well. (PSW# MT0001972)Hysham (East) Rest AreaOn-Site WellMT000268442X1 7532016 gpmYesWell pump went out in 2012 and could not be pulled due to sand plug. Drilled a new well in 2013.Hysham (East) Rest AreaOn-Site WellMT0001252Not Found35 gpmYesNew construction 2017.Hysham (Yest) Rest AreaOn-Site WellMT000268442X1 63870 0035 gpmYesNew construction 2017.Jefferson City (South) Rest AreaOn-Site WellMT000259141196195 0035 gpmYesVariable speed well pump/controls 2-3 yr old at field visit (2017) & red staining present in toilets.Lima Rest AreaMunicipalN/AN/AN/AN/AYesGaitity.Lost Trail Pass Rest AreaOn-Site WellMT0002221Not Found35 gpmYesgailon storage tank 2,500 from site. Water is shared with nearby ski resort in the winter. Seasonal facility.Lost Trail Pass Rest AreaOn-Site WellMT0002213Not Found35 gpmYesFurdie attrast well.Mosby Rest AreaOn-Site WellMT0002137Not Found35 gpmYesFurdie attrast well.Mosby	Hardin (East) Rest Area	On-Site Well	MT0001888	43Q 163864 00	12 gpm	Yes	Operator indicates the RO system has trouble keeping up during peak demand. RO system has a separate drainfield.(PSW# MT0001888)
Harlowton Rest AreaMunicipalN/AN/AN/AN/AVesConstruction controlHathaway (East) Rest AreaOn-Site WellMT000197242K1 163870 0030 gpmYesDog area surrounding the well. (PSW# MT0001972)Hathaway (West) Rest AreaOn-Site WellMT000197242K1 163860 0016 gpmYesDog area surrounding the well. (PSW# MT0001972)Hysham (East) Rest AreaOn-Site WellMT000168442K1 163860 70028 gpmYesNew construction 2017.Hysham (Kast) Rest AreaOn-Site WellMT0001952Not Found35 gpmYesNew construction 2017.Jefferson City (North) Rest AreaOn-Site WellMT0002591411 96195 0035 gpmYesNew construction 2017.Lima Rest AreaMunicipalN/AN/AN/AYesPersent in toilets.Lima Rest AreaOn-Site WellMT0062291411 96195 0035 gpmYesPersent in toilets.Lima Rest AreaMunicipalN/AN/AN/AYesRest Area connected to Town system. Spring water source located SW of facility.Mosby Rest AreaOn-Site WellMT0002213Not Found35 gpmYesPurpeant in toilets.Uast Trail Pass Rest AreaOn-Site WellMT0002213Not Found35 gpmYesPurpeant facility with a visitor center.Mosby Rest AreaOn-Site WellMT0002213Not Found35 gpmYesPurpeant facility with a visitor center.Quartz Flats (East) Rest AreaOn-Site WellMT0002691	Hardin (West) Rest Area	On-Site Well	MT0002680	43Q 163863 00	22 gpm	Yes	feeds the sinks and drinking fourtain. RO System has a separate drainfield. (PSW# MT0002680)
Hathaway (East) Rest Area On-Site Well MT0001972 42kJ 163870 00 30 gpm Yes Dog area surrounding the well. (PSWH MT0001972) Hathaway (West) Rest Area On-Site Well MT0002684 42kJ 75532 00 16 gpm Yes New out in 2012 and could not be pulled due to sand plug. Drilled a new well in 2013. Hysham (East) Rest Area On-Site Well MT0001694 42kJ 163868 00 16 gpm Yes New construction 2017. Hysham (West) Rest Area On-Site Well MT0001952 Not Found 35 gpm Yes New construction 2017. Jefferson City (North) Rest Area On-Site Well MT0002591 411 96195 00 35 gpm Yes Present in toilets. Lima Rest Area Municipal N/A N/A N/A Rest Area connected to Town system. Spring water source located SW of facility. Lima Rest Area Spring MT0002232 Not Found 35 gpm Yes Locked spring collection box located approx. 3,000' uphill from site, 1,000 galon storage tank 2,500 from site. Area is shared with nearby ski resort in the winter. Seasonal facility with a visitor center. Quartz Flats (Kest) Rest Area On-Site Well MT0002123 Not Found <	Harlowton Rest Area	Municipal	N/A	N/A	N/A	Yes	
Hathaway (West) Rest AreaOn-Site WellMT000268442K 75532 0016 gpmWell pump went out in 2012 and could not be pulled due to sand plug. Drilled a new well in 2013.Hysham (East) Rest AreaOn-Site WellMT000169442KJ 163868 0016 gpmYesNew construction 2017.Hysham (West) Rest AreaOn-Site WellMT0001952Not Found35 gpmYesNew construction 2017.Jefferson City (North) Rest AreaOn-Site WellMT0002591411 96195 0035 gpmYesNew construction 2017.Jefferson City (South) Rest AreaOn-Site WellMT0002591411 96195 0035 gpmYesVariable speed well pump/controls 2-3 yr old at field visit (2018) & red staining present in toilets.Lima Rest AreaMunicipalN/AN/AN/AYesRest Area connected to Town system. Spring water source located SW of facility.Mosby Rest AreaOn-Site WellMT0004221Not Found35 gpmYesresent in toilets.Quartz Flats (East) Rest AreaOn-Site WellMT000194476M 3005157635 gpmYesTwo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT000193041F 74939 0032 gpmYesSystem operating well pump seplaced with 2015 facility reconstruction.Rest AreaOn-Site WellMT000193141F 74939 0032 gpmYesSystem operating well well on exite on well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT00019	Hathaway (East) Rest Area	On-Site Well	MT0001972	42KJ 163870 00	30 gpm	Yes	Dog area surrounding the well. (PSW# MT0001972)
Hysham (East) Rest AreaOn-Site WellMT000169442kJ 163868 0016 gpmYesNew construction 2017.Hysham (West) Rest AreaOn-Site WellMT000268842kJ 163867 0028 gpmVariable speed well pump/controls 2-3 yr old at field visit (2017) & red staining present in toilets.Jefferson City (South) Rest AreaOn-Site WellMT0002591Atl 96195 0035 gpmVariable speed well pump/controls 2-3 yr old at field visit (2018) & red staining present in toilets.Lima Rest AreaMunicipalN/AN/AN/AN/AYesVariable speed well pump/controls 2-3 yr old at field visit (2018) & red staining present in toilets.Lost Trail Pass Rest AreaMunicipalN/AN/AN/AN/AYesRest Area connected to Town system. Spring water source located SW of facility.Moby Rest AreaOn-Site WellMT0004232Not Found35 gpmYesLocked spring collection box located approx. 3,000' uphill from site, 1,000 YesQuartz Flats (East) Rest AreaOn-Site WellMT000269176M 30011264435 gpmYesTwo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT000149341F 74939 0032 gpmYesSystem operating well bus showing age.Raynolds Pass Rest AreaOn-Site WellMT000149341F 74939 0032 gpmYesIrrigation not connected to well. New well drilled in 2018.Quartz Flats (West) Rest AreaOn-Site WellMT000149341F 74939 0032 gpmYesIrrigation	Hathaway (West) Rest Area	On-Site Well	MT0002684	42KJ 75532 00	16 gpm	Yes	Well pump went out in 2012 and could not be pulled due to sand plug. Drilled a new well in 2013.
Hysham (West) Rest AreaOn-Site WellMT000268842KJ 163867 0028 gpmYesNew construction 2017.Jefferson City (North) Rest AreaOn-Site WellMT0001952Not Found35 gpmYesVariable speed well pump/controls 2-3 yr old at field visit (2017) & red staining present in toilets.Jefferson City (South) Rest AreaOn-Site WellMT0002591411 96195 0035 gpmYesVariable speed well pump/controls 2-3 yr old at field visit (2018) & red staining present in toilets.Lima Rest AreaMunicipalN/AN/AN/AYesRest Area connected to Town system. Spring water source located SW of facility.Lost Trail Pass Rest AreaSpringMT0002591Not Found35 gpmYesRest Area connected to Town system. Spring water source located SW of facility.Mosby Rest AreaOn-Site WellMT0062213Not Found35 gpmYesparlead stains the resMosby Rest AreaOn-Site WellMT0001942Not Found35 gpmYesPumped artesian well.Quartz Flats (East) Rest AreaOn-Site WellMT00029176M 30011264435 gpmYesTwo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT00019341F 74939 0032 gpmYesSystem operating well but showing age.Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaOn-Site WellM/AN/A<	Hysham (East) Rest Area	On-Site Well	MT0001694	42KJ 163868 00	16 gpm	Yes	New construction 2017.
Jefferson City (North) Rest AreaOn-Site WellMT0001952Not Found35 gpmVersible speed well pump/controls 2-3 yr old at field visit (2017) & red staining present in toilets.Jefferson City (South) Rest AreaOn-Site WellMT0002591411 96195 0035 gpmVersible speed well pump/controls 2-3 yr old at field visit (2018) & red staining present in toilets.Lima Rest AreaMunicipalN/AN/AN/AYesPresent in toilets.Lima Rest AreaSpringMT0002213Not Found35 gpmRest Area connected to Town system. Spring water source located SW of the winter. Seasonal facility.Lost Trail Pass Rest AreaOn-Site WellMT0002213Not Found35 gpmLocked spring collection box located approx. 3,000' uphill from site, 1,000 gallon storage tank 2,500 from site. Water is shared with nearby ski resort in the winter. Seasonal facility with a visitor center.Mosby Rest AreaOn-Site WellMT000194476M 3005157635 gpmYesPumped artesian well.Quartz Flats (Kest) Rest AreaOn-Site WellMT000190743D 101457 008 gpmYesSystem operating well but showing age.Raynolds Pass Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Roberts Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Sweet Gra	Hysham (West) Rest Area	On-Site Well	MT0002688	42KJ 163867 00	28 gpm	Yes	New construction 2017.
Jefferson City (South) Rest AreaOn-Site WellMT0002591411 96195 0035 gpmYesVariable speed well pump/controls 2-3 yr old at field visit (2018) & red staining present in toillets.Lima Rest AreaMunicipalN/AN/AN/AYesRest Area connected to Town system. Spring water source located SW of facility.Lost Trail Pass Rest AreaSpringMT0062213Not Found35 gpmRest AreaLocked spring collection box located approx. 3,000' uphill from site, 1,000 gallon storage tank 2,500 from site. Water is shared with nearby ski resort in the winter. Seasonal facility with a visitor center.Mosby Rest AreaOn-Site WellMT0002322Not Found35 gpmYesPumped artesian well.Quartz Flats (East) Rest AreaOn-Site WellMT000269176M 30011264435 gpmYesTwo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT000149341F 74930032 gpmYesOriginal well; Well pumps replaced with 2015 facility reconstruction.Roberts Rest AreaOn-Site WellMT000197043D 101457008 gpmYesIrrigation not connected to well. New well drilled in 2018.Roberts Rest AreaOn-Site WellN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Roberts Rest AreaOn-Site WellMT00197043D 101457008 gpmYesIrrigation not connected to well. New well drilled in 2018.Roberts Rest AreaMunicipalN/AN/AN/AYes <td< td=""><td>Jefferson City (North) Rest Area</td><td>On-Site Well</td><td>MT0001952</td><td>Not Found</td><td>35 gpm</td><td>Yes</td><td>Variable speed well pump/controls 2-3 yr old at field visit (2017) & red staining present in toilets.</td></td<>	Jefferson City (North) Rest Area	On-Site Well	MT0001952	Not Found	35 gpm	Yes	Variable speed well pump/controls 2-3 yr old at field visit (2017) & red staining present in toilets.
Lima Rest AreaMunicipalN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/AN/A<	Jefferson City (South) Rest Area	On-Site Well	MT0002591	411 96195 00	35 gpm	Yes	Variable speed well pump/controls 2-3 yr old at held visit (2018) & red staining present in toilets.
Lost Trail Pass Rest AreaSpringMT0062213Not Found35 gpmSpringGlocked spring contention box located spring. Synow dpinin rom site, 1,000Mosby Rest AreaOn-Site WellMT0004232Not Found35 gpmYesPumped artesian well.Quartz Flats (East) Rest AreaOn-Site WellMT00194476M 3005157635 gpmYesPumped artesian well.Quartz Flats (West) Rest AreaOn-Site WellMT000269176M 30011264435 gpmYesSystem operating well but showing age.Quartz Flats (West) Rest AreaOn-Site WellMT000194341F 74939 0032 gpmYesOriginal well; Well pumps replaced with 2015 facility reconstruction.Roberts Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Teton River (South) Rest AreaOn-Site WellMT000193376D 75964 0020 gpmYesNew pump approx. 2003; Hard waterVandalia Rest AreaOn-Site WellMT0001967Not Found35 gpmYesHigh sand content; Irrigation limited in summer due to supply.Wibaux Rest AreaOn-Site Well<	Lima Rest Area	Municipal	N/A	N/A	N/A	Yes	Rest Area connected to Town system. Spring water source located SW of facility.
Mosby Rest AreaOn-Site WellMT0004232Not Found35 gpmYesPumped artesian well.Quartz Flats (East) Rest AreaOn-Site WellMT000194476M 3005157635 gpmTwo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT000269176M 30011264435 gpmYesSystem operating well but showing age.Raynolds Pass Rest AreaOn-Site WellMT000149341F 74939 0032 gpmYesOriginal well; Well pumps replaced with 2015 facility reconstruction.Roberts Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Teton River (North) Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Tory Rest AreaOn-Site WellMT000353376D 75964 0020 gpmYesNew pump approx. 2003; Hard waterVandalia Rest AreaOn-Site WellMT0001967Not Found35 gpmYesHigh sand content; Irrigation limited in summer due to supply.Wibaux Rest AreaMunicipalN/AN/AN/AYesIrrigation limited in summer due to supply.	Lost Trail Pass Rest Area	Spring	MT0062213	Not Found	35 gpm	Yes	gallon storage tank 2,500 from site. Water is shared with nearby ski resort in the winter. Seasonal facility with a visitor center.
Quartz Flats (East) Rest AreaOn-Site WellMT000194476M 3005157635 gpmIwo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.Quartz Flats (West) Rest AreaOn-Site WellMT000269176M 30011264435 gpmYesSystem operating well but showing age.Raynolds Pass Rest AreaOn-Site WellMT000149341F 74939 0032 gpmYesOriginal well; Well pumps replaced with 2015 facility reconstruction.Roberts Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Teton River (North) Rest AreaMunicipalN/AN/AN/AYesIrrigation not connected to well. New well drilled in 2018.Tory Rest AreaOn-Site WellMT000353376D 75964 0020 gpmYesNew pump approx. 2003; Hard waterVandalia Rest AreaOn-Site WellMT0001967Not Found35 gpmYesHigh sand content; Irrigation limited in summer due to supply.Wibaux Rest AreaOn-Site WellMT0001967N/AN/AYesIrrigation and content; Irrigation limited in summer due to supply.	Mosby Rest Area	On-Site Well	MT0004232	Not Found	35 gpm	Yes	Pumped artesian well.
Quartz Flats (West) Rest AreaOn-Site WellMT000269176M 30011264435 gpmYesSystem operating well but showing age.Raynolds Pass Rest AreaOn-Site WellMT000149341F 74939 0032 gpmYesOriginal well; Well pumps replaced with 2015 facility reconstruction.Roberts Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesTeton River (North) Rest AreaMunicipalN/AN/AYesTeton River (South) Rest AreaMunicipalN/AN/AYesTroy Rest AreaOn-Site WellMT000353376D 75964 0020 gpmYesNew pump approx. 2003; Hard waterVandalia Rest AreaOn-Site WellMT0001967Not Found35 gpmYesHigh sand content; Irrigation limited in summer due to supply.Wibaux Rest AreaMunicipalN/AN/AN/AYes	Quartz Flats (East) Rest Area	On-Site Well	MT0001944	76M 30051576	35 gpm	Yes	I wo wells on site, one well abandoned. Irrigation of the chlorinated water stains the trees.
Radynolus Pass Rest AreaOn-Site WeilM1000149341F /4939 0032 gpmYesOriginal well; Well pumps replaced with 2015 facility reconstruction.Roberts Rest AreaOn-Site WellMT000197043D 101457 008 gpmYesIrrigation not connected to well. New well drilled in 2018.Sweet Grass Rest AreaMunicipalN/AN/AN/AYesTeton River (North) Rest AreaMunicipalN/AN/AN/AYesTory Rest AreaOn-Site WellMT000353376D 75964 0020 gpmYesNew pump approx. 2003; Hard waterVandalia Rest AreaOn-Site WellMT0001967Not Found35 gpmYesHigh sand content; Irrigation limited in summer due to supply.Wibaux Rest AreaMunicipalN/AN/AN/AYes	Quartz Flats (West) Rest Area	On-Site Well	MT0002691	76M 300112644	35 gpm	Yes	System operating well but showing age.
Nover Grass Rest Area Municipal N/A N/A N/A Yes Inflation not connected to well, New well drilled in 2018. Sweet Grass Rest Area Municipal N/A N/A N/A Yes Teton River (North) Rest Area Municipal N/A N/A N/A Yes Teton River (South) Rest Area Municipal N/A N/A N/A Yes Troy Rest Area On-Site Well MT0003533 76D 75964 00 20 gpm Yes New pump approx. 2003; Hard water Vandalia Rest Area On-Site Well MT0001967 Not Found 35 gpm Yes High sand content; Irrigation limited in summer due to supply. Wibaux Rest Area Municipal N/A N/A Yes Limit and content; Irrigation limited in summer due to supply.	Raynolds Pass Rest Area	On-Site Well	MT0001070	41+7493900	32 gpm	Yes	Uriginal well; Well pumps replaced with 2015 facility reconstruction.
New State Municipal N/A N/A N/A N/A Yes Teton River (South) Rest Area Municipal N/A N/A N/A Yes Troy Rest Area On-Site Well MT0003533 76D 75964 00 20 gpm Yes New pump approx. 2003; Hard water Vandalia Rest Area On-Site Well MT0001967 Not Found 35 gpm Yes High sand content; Irrigation limited in summer due to supply. Wibaux Rest Area Municipal N/A N/A Yes Irrigation limited in summer due to supply.	Sweet Grass Rest Area	Municipal	N/A	450 101457 00 N/A	o ghu	Yes	inngation not connected to well. New well utilied IN 2018.
Teton River (South) Rest Area Municipal N/A N/A N/A Yes Troy Rest Area On-Site Well MT0003533 76D 75964 00 20 gpm Yes New pump approx. 2003; Hard water Vandalia Rest Area On-Site Well MT0001967 Not Found 35 gpm Yes High sand content; Irrigation limited in summer due to supply. Wibaux Rest Area Municipal N/A N/A Yes High sand content; Irrigation limited in summer due to supply.	Teton River (North) Rest Area	Municipal	N/A	N/A	N/A	Yes	
Troy Rest Area On-Site Well MT0003533 76D 75964 00 20 gpm Yes New pump approx. 2003; Hard water Vandalia Rest Area On-Site Well MT0001967 Not Found 35 gpm Yes High sand content; Irrigation limited in summer due to supply. Wibaux Rest Area Municipal N/A N/A Yes High sand content; Irrigation limited in summer due to supply.	Teton River (South) Rest Area	Municipal	N/A	N/A	N/A	Yes	
Vandalia Rest Area On-Site Well MT0001967 Not Found 35 gpm Yes High sand content; Irrigation limited in summer due to supply. Wibaux Rest Area Municipal N/A N/A N/A Yes	Troy Rest Area	On-Site Well	MT0003533	76D 75964 00	20 gpm	Yes	New pump approx. 2003; Hard water
Wibaux Rest Area Municipal N/A N/A N/A Yes	Vandalia Rest Area	On-Site Well	MT0001967	Not Found	35 gpm	Yes	High sand content; Irrigation limited in summer due to supply.
	Wibaux Rest Area	Municipal	N/A	N/A	N/A	Yes	

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

2016 Rest Area Water Demand Calculations

Restroom Use Water Usage Per R Water Usage Per Restroo	ers Per Vehicle = Restroom User = Im User (New) =	1.5 1.5 2.5	Gallons Gallons	I	Fixture Unit Valu	Fixtu e (Water Close Fixture U	ure Unit Value (\ t, 1.6 GPF Flusho Jnit Value (Drinl	Wash-up Sink) = ometer Valve) = king Fountain) =	2.0 5.0 0.5	Pressure	Duration o Tank Drawdow	f Peak Instantan n Factor b/w 40 Pressure	eous Demand = psi and 60 psi = Tank Volume =	7.0 0.268 211	Minutes Gallons/Tank	
Facility Name	Total Vehicles Stopping at	Peak Daily Domestic Design Flow	Restroom	Fixture Units ⁽¹⁾	Peak Instantaneous	R.O. Treatment Unit Water	Total Water	Demand (gpm) Peak	Well Pumping Rate based on Well Log or Other	Allowable Pumping Rate based on	Source Quantity	Existing Total Storage Volume	Storage Volume Required to Meet Peak	Additional Pressure Tanks Required to	Are there existing	Notes
	Peak Hour	(gpm)	Stans		Flow (gpm) ⁽²⁾	Demand (gpm) ⁽³⁾	Peak Daily + R.O. Demand	Instantaneous + R.O. Demand	Information (gpm)	Water Right (gpm)	Adequate?	(gallons)	Instantaneous Demand (gallons)	Satisfy Peak Instantaneous Demand	quantity?	
Anaconda Rest Area	67	3	4	29	36	0	3	36	55	35	Yes	200	32	-1	No	
Armington Junction Rest Area	47	2	3	22	33	0	2	33	23	30	Yes	172	253	1	Yes	
Bad Route Rest Area	34	1	2	15	29	5	6	34	50	35	Yes	60	-28	-1	No	
Bearmouth (East) Rest Area	31	2	2	15	29	5	7	34	50	35	Yes	200	-28	0	No	New construction 2014.
Bearmouth (West) Rest Area	42	3	3	22	33	5	8	38	50	35	Yes	200	75	0	NO	New construction 2014.
Bozeman Rest Area	40	2	2	15	29	0	2	29	N/A 100	N/A	Yes	N/A 75	N/A	N/A	N/A	Sustem undates in 2015
Broadus Pest Area	10	0	1	8	25	0	0	25	25	30	Ves	160	-252	-1	No	System updates in 2015
Clearwater Junction Rest Area	43	2	3	22	33	0	2	33	62	10	Ves	210	593	2	No	
Columbus (East) Rest Area	84	5	5	36	40	0	5	40	37	25	Yes	124	383	2	No	Rest Area re-construction 2016
Columbus (West) Rest Area	67	4	4	29	36	0	4	36	44	30	Yes	124	163	1	No	Rest Area re-construction 2017
Conrad Rest Area	15	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	Municipal System.
Culbertson Rest Area	5	0	1	7	25	0	0	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	Municipal System.
Custer (East) Rest Area	19	1	1	8	25	0	1	25	26	26	Yes	50	-16	-1	No	
Custer (West) Rest Area	22	1	2	15	29	0	1	29	50	35	Yes	50	-155	-1	No	
Dearborn (North) Rest Area	28	2	2	15	29	0	2	29	8	35	Yes	500	550	1	No	Northbound water is supplied by a well, holding tank and pressure pumps located from the southbound facility.
Dearborn (South) Rest Area	24	2	2	15	29	0	2	29	8	35	Yes	500	550	1	No	Southbound facility has a well, pressure pump and a holding tank.
Dena Mora (East) Rest Area	83	5	5	36	40	0	5	40	75	35	Yes	200	122	-1	No	
Dena Mora (West) Rest Area	62	4	4	29	36	0	4	36	40	35	Yes	200	32	-1	No	
Divide (North) Rest Area	24	2	2	15	29	0	2	29	50	35	Yes	160	-155	-2	No	
Divide (South) Rest Area	18	1	1	8	25	0	1	25	30	35	Yes	160	-121	-2	No	
Emigrant Rest Area	18	1	1	8	25	0	1	25	16	15	Yes	200	271	1	No	
Flowing Wells Rest Area	16	1	1	8	25	5	6	30	25	23	Yes	10	186	1	No	
Gold Creek (East) Rest Area*	49	2	3	22	33	0	2	33	Not Found	35	Yes	100	-60	-1	Yes	
Gold Creek (West) Rest Area*	59	2	3	22	33	0	2	33	37	22	Yes	100	279	1	Yes	New exerction 2012
Greycliff (Most) Rest Area	40	3	2	15	29	0	3	29	42	35	Yes	172	-155	-2	NO	New construction 2013.
Hardin (East) Rest Area	37	1	2	15	29	5	6	29	30	12	Ves	50	572	-1	Vec	New construction 2015.
Hardin (West) Rest Area	29	1	2	15	29	5	6	34	37	22	Ves	50	311	2	Ves	Site is served by two wells
Harlowton Rest Area	32	1	2	15	29	0	1	29	N/A	N/A	Ves	N/A	N/A	N/A	N/A	Municipal System
Hathaway (Fast) Rest Area	22	1	2	15	29	5	6	34	60	30	Yes	120	102	-1	No	manepa system.
Hathaway (West) Rest Area	21	1	2	15	29	5	6	34	11	16	Yes	120	612	3	No	Drilled a new well in 2013.
Hysham (East) Rest Area	52	3	3	22	33	0	3	33	50	16	Yes	120	436	2	No	
Hysham (West) Rest Area	55	3	3	22	33	0	3	33	57	28	Yes	120	122	1	No	
Jefferson City (North) Rest Area	54	2	3	22	33	0	2	33	Not Found	35	Yes	50	-60	-1	No	
Jefferson City (South) Rest Area	54	2	3	22	33	0	2	33	35	35	Yes	50	-60	-1	No	
Lima Rest Area	51	2	3	22	33	0	2	33	N/A	N/A	Yes	N/A	N/A	N/A	N/A	Municipal System.
Lost Trail Pass Rest Area	17	1	1	8	25	0	1	25	N/A	35	Yes	1,000	-252	-6	No	No well. This site is served by a spring and holding tank. Assume conveyance can delive 35 gpm.
Mosby Rest Area	27	1	2	15	29	5	6	34	8	35	Yes	50	677	3	No	Pumped artesian well.
Quartz Flats (East) Rest Area	32	1	2	15	29	0	1	29	100	35	Yes	200	-155	-2	No	
Quartz Flats (West) Rest Area	33	1	2	15	29	0	1	29	38	35	Yes	200	-155	-2	No	
Raynolds Pass Rest Area	25	2	2	15	29	5	6	34	25	32	Yes	240	233	-1	No	
Roberts Rest Area	8	0	1	9	26	0	0	26	8	8	Yes	40	473	3	Yes	New well in 2018, no other water system improvements
Sweet Grass Rest Area	19	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	Municipal System.
Teton River (North) Rest Area	9	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	Municipal System.
Teton River (South) Rest Area	9	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	Municipal System.
Troy Rest Area Vandalia Rest Area	18	0	1	8	25	0	5	25	20	20	Yes	130 30	140 291	2	No Yes	Cannot irrigate in late summer due to lack o
Miles Dest Asse												1 .				water
*Note: Gold Creek was a rest area	69 at the time of da	3 ta collection; pr	4 ogrammed to b	29 De reconstructed	36 as parking area (U UPN 9253 001.	3 anticipated let	36 date June 2019)	N/A	N/A	Yes	1	N/A	N/A	No	Municipal System.

⁽³⁾ Assume some watter closet per restroom stall (Fixture Unit = 5.0), one sinks per restroom stall (Fixture Unit = 2.0), and 2 total drinking fountains (Fixture Unit = 0.5).
⁽³⁾ Per Chart A -3, Uniform Plumbing Code, mid-range values. Multiply demand by 1.22 to adjust for 50 psi delivery pressure.
⁽³⁾ R.O. demand = peak instantaneous flow * (sink & drinking fountain fixture units/total fixture units) * 0.5

	2036 Rest Area Water Demand Calculations															
Restroom User Water Usage Per Restroom	Restroom Users Per Vehicle = 1.5 Fixture Unit Value (Wash-up Sink) = 2.0 Duration of Peak Instantaneous Demand Water Usage Per Restroom User (future) = 2.5 Gallons Fixture Unit Value (Water Closet, 1.6 GPF Flushometer Valve) = 5.0 Pressure Tank Drawdown Factor b/w 40 psi and 60 psi Fixture Unit Value (Drinking Fountain) = 0.5 Pressure Tank Volume									eous Demand = osi and 60 psi = Tank Volume =	7.0 0.268 211	Minutes Gallons/Tank				
Facility Name	Total Vehicles Stopping at Facility During Peak Hour	Peak Daily Domestic Design Flow (gpm)	Restroom Stalls	Fixture Units ⁽¹⁾	Peak Instantaneous Flow (gpm) ⁽²⁾	R.O. Treatment Unit Water Demand (gpm) ⁽³⁾	Total Water I Peak Daily + R.O. Demand	Demand (gpm) Peak Instantaneous + R.O. Demand	Well Pumping Rate based on Well Log or Other Information (gpm)	Allowable Pumping Rate based on Water Right (gpm)	Source Quantity Adequate?	Existing Total Storage Volume (gallons)	Storage Volume Required to Meet Peak Instantaneous Demand (gallons)	Additional Pressure Tanks Required to Satisfy Peak Instantaneous Demand	Are there existing problems with quantity?	
Anaconda Rest Area	84	5	5	36	40	0	5	40	55	35	Yes	200	122	-1	No	Í –
Armington Junction Rest Area	57	4	3	22	33	0	4	33	23	30	Yes	172	253	1	Yes	t i
Bad Route Rest Area	53	3	3	22	33	5	9	38	50	35	Yes	60	75	1	No	1
Bearmouth (East) Rest Area	38	2	2	15	29	5	7	34	50	35	Yes	200	-28	0	No	1
Bearmouth (West) Rest Area	52	3	3	22	33	5	8	38	50	35	Yes	200	75	0	No	t i
Bozeman Rest Area	68	4	4	29	36	0	4	36	N/A	N/A	Yes	N/A	N/A	N/A	N/A	1
Bridger Rest Area	23	1	2	12	27	0	1	27	100	30	Yes	75	-72	-1	No	1
Broadus Rest Area	18	1	1	8	25	0	1	25	35	35	Yes	160	-252	-2	No	1
Clearwater Junction Rest Area	57	4	3	22	33	0	4	33	62	10	Yes	210	593	2	No	1
Columbus (East) Rest Area	137	9	7	50	46	0	9	46	37	25	Yes	124	557	3	No	1
Columbus (West) Rest Area	110	7	6	43	43	0	7	43	44	30	Yes	124	341	2	No	1
Conrad Rest Area	17	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	t
Culbertson Best Area	7	0	1	9	26	0	0	26	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Custer (East) Best Area	27	2	2	15	20	0	2	20	26	26	Ves	50	80	1	No	+
Custer (West) Rest Area	27	2	2	15	20	0	2	20	50	35	Ves	50	-155	-1	No	+
Dearborn (North) Rest Area	34	2	2	15	29	0	2	29	8	35	Yes	500	550	1	No	hol
Dearborn (South) Rest Area	29	2	2	15	29	0	2	29	8	35	Yes	500	550	1	No	Sou
Dena Mora (East) Rest Area	105	7	6	43	43	0	7	43	75	35	Yes	200	210	1	No	
Dena Mora (West) Rest Area	79	5	4	29	36	0	5	36	40	35	Yes	200	32	-1	No	
Divide (North) Rest Area	30	2	2	15	29	0	2	29	50	35	Yes	160	-155	-2	No	t i
Divide (South) Rest Area	21	1	2	15	29	0	1	29	30	35	Yes	160	-24	-1	No	1
Emigrant Rest Area	22	1	2	15	29	0	1	29	16	15	Yes	200	368	1	No	1
Flowing Wells Rest Area	20	1	1	8	25	5	6	30	25	23	Yes	10	186	1	No	t
Gold Creek (Fast) Rest Area*	61	4	4	29	36	0	4	36	Not Found	35	Ves	100	32	-1	Ves	+
Gold Creek (Most) Rest Area*	74	4 C	4	20	26	0	4 C	26	27	22	Voc	100	272	-1	Voc	+
Gold Creek (West) Rest Area	74	3	4	23	30	0	3	30	37	22	Yes	100	572	2	No	+
Greycliff (East) Rest Area	58	4	3	22	33	0	4	33	42	35	Yes	172	-60	0	NO	+
Greycliff (West) Rest Area	53	3	3	22	33	0	3	33	50	25	Yes	1/2	201	0	NO	
Hardin (East) Rest Area	46	3	3	22	33	5	8	38	20	12	Yes	50	676	3	Yes	
Hardin (West) Rest Area	38	2	2	15	29	5	/	34	37	22	Yes	50	311	2	Yes	
Harlowton Rest Area	38	2	2	15	29	0	2	29	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Hathaway (East) Rest Area	33	2	2	15	29	5	7	34	60	30	Yes	120	102	-1	No	
Hathaway (West) Rest Area	32	2	2	15	29	5	7	34	11	16	Yes	120	612	3	No	
Hysham (East) Rest Area	77	5	4	29	36	0	5	36	50	16	Yes	120	528	2	No	
Hysham (West) Rest Area	84	5	5	36	40	0	5	40	57	28	Yes	120	305	1	No	
Jefferson City (North) Rest Area	66	4	4	29	36	0	4	36	Not Found	35	Yes	50	32	-1	No	
Jefferson City (South) Rest Area	66	4	4	29	36	0	4	36	35	35	Yes	50	32	-1	No	
Lima Rest Area	73	5	4	29	36	0	5	36	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Lost Trail Pass Rest Area	21	1	2	15	29	0	1	29	N/A	35	Yes	1,000	-155	-6	No	N hol
Mosby Rest Area	37	2	2	15	29	5	7	34	8	35	Yes	50	677	3	No	
Quartz Flats (East) Rest Area	39	2	2	15	29	0	2	29	100	35	Yes	200	-155	-2	No	
Quartz Flats (West) Rest Area	41	3	3	22	33	0	3	33	38	35	Yes	200	-60	-2	No	L
Raynolds Pass Rest Area	39	2	2	15	29	5	7	34	25	32	Yes	240	233	-1	No	
Roberts Rest Area	9	1	1	9	26	0	1	26	8	8	Yes	40	473	3	Yes	1
Sweet Grass Rest Area	27	2	2	15	29	0	2	29	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Teton River (North) Rest Area	11	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Teton River (South) Rest Area	10	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Troy Rest Area	22	1	2	15	29	0	1	29	20	20	Yes	130	237	1	No	
Vandalia Rest Area	12	1	1	8	25	5	6	30	19	35	Yes	30	291	2	Yes	Ca

43 43 0 0 43 N/A N/A Yes 1 N/A N/A NO

4

 Wibaux Rest Area
 106
 6
 43
 43
 0
 0

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Total ULL total ULL to

⁽¹⁾ Assumes one water closet per restroom stall (Fixture Unit = 5.0), one sinks per restroom stall (Fixture Unit = 2.0), and 2 total drinking fountains (Fixture Unit = 0.5).

⁽²⁾Per Chart A-3, Uniform Plumbing Code, mid-range values. Multiply demand by 1.22 to adjust for 50 psi delivery pressure.
 ⁽³⁾R.O. demand = peak instantaneous flow * (sink & drinking fountain fixture units/total fixture units) * 0.5

Notes
New construction 2014.
New construction 2014.
Municipal System.
System updates in 2015
Rest Area re-construction 2016
Rest Area re-construction 2017
Municipal System.
Municipal System.
Northbound water is supplied by a well,
the couthbound facility
uthbound facility has a well pressure pumps
and a holding tank.
New construction 2013
New construction 2013.
Site is served by two wells.
Municipal System.
Drilled a new well in 2013.
Municipal System.
No well. This site is served by a spring and
olding tank. Assume conveyance can deliver
35 gpm.
Pumped artesian well.
New well in 2018, no other water system
improvements
Municipal System.
Municipal System.
Municipal System.
annot irrigate in late summer due to lack of water
Municipal System

	2056 Rest Area Water Demand Calculations															
Restroom Use Water Usage Per Restroom	Restroom Users Per Vehicle = 1.5 Fixture Unit Value (Wash-up Sink) = 2.0 Duration of Peak Instantaneous Demand = ater Usage Per Restroom User (future) = 2.5 Gallons Fixture Unit Value (Water Closet, 1.6 GPF Flushometer Valve) = 5.0 Pressure Tank Drawdown Factor b/w 40 psi and 60 psi = Fixture Unit Value (Drinking Fountain) = 0.5 Pressure Tank Volume =								eous Demand = osi and 60 psi = Tank Volume =	7.0 0.268 211	Minutes Gallons/Tank					
Facility Name	Total Vehicles Stopping at Facility During Peak Hour	Peak Daily Domestic Design Flow (gpm)	Restroom Stalls	Fixture Units ⁽¹⁾	Peak Instantaneous Flow (gpm) ⁽²⁾	R.O. Treatment Unit Water Demand (gpm) ⁽³⁾	Total Water I Peak Daily + R.O. Demand	Demand (gpm) Peak Instantaneous + R.O. Demand	Well Pumping Rate based on Well Log or Other Information (gpm)	Allowable Pumping Rate based on Water Right (gpm)	Source Quantity Adequate?	Existing Total Storage Volume (gallons)	Storage Volume Required to Meet Peak Instantaneous Demand (gallons)	Additional Pressure Tanks Required to Satisfy Peak Instantaneous Demand	Are there existing problems with quantity?	
Anaconda Rest Area	108	7	6	43	43	0	7	43	55	35	Yes	200	210	1	No	
Armington Junction Rest Area	68	4	4	29	36	0	4	36	23	30	Yes	172	345	1	Yes	1
Bad Route Rest Area	81	5	5	36	40	6	11	46	50	35	Yes	60	280	2	No	1
Bearmouth (East) Rest Area	47	3	3	22	33	5	8	38	50	35	Yes	200	75	0	No	1
Bearmouth (West) Rest Area	63	4	4	29	36	6	10	42	50	35	Yes	200	179	0	No	
Bozeman Rest Area	113	7	6	43	43	0	7	43	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Bridger Rest Area	30	2	2	12	27	0	2	27	100	30	Yes	75	-72	-1	No	
Broadus Rest Area	26	2	2	15	29	0	2	29	35	35	Yes	160	-155	-2	No	
Clearwater Junction Rest Area	75	5	4	29	36	0	5	36	62	10	Yes	210	685	3	No	
Columbus (East) Rest Area	224	14	12	85	61	0	14	61	37	25	Yes	124	953	4	No	
Columbus (West) Rest Area	180	11	9	64	53	0	11	53	44	30	Yes	124	591	3	No	
Conrad Rest Area	21	1	2	15	29	0	1	29	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Culbertson Rest Area	9	1	1	9	26	0	1	26	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Custer (East) Rest Area	36	2	2	15	29	0	2	29	26	26	Yes	50	80	1	No	t i
Custer (West) Rest Area	41	3	3	22	33	0	3	33	50	35	Yes	50	-60	-1	No	
Dearborn (North) Rest Area	41	3	3	22	33	0	3	33	8	35	Yes	500	645	1	No	hol
Dearborn (South) Rest Area	35	2	2	15	29	0	2	29	8	35	Yes	500	550	1	No	Sou
Dena Mora (East) Rest Area	133	8	7	50	46	0	8	46	75	35	Yes	200	296	1	No	
Dena Mora (West) Rest Area	100	6	5	36	40	0	6	40	40	35	Yes	200	122	-1	No	
Divide (North) Rest Area	39	2	2	15	29	0	2	29	50	35	Yes	160	-155	-2	No	
Divide (South) Rest Area	28	2	2	15	29	0	2	29	30	35	Yes	160	-24	-1	No	
Emigrant Rest Area	27	2	2	15	29	0	2	29	16	15	Yes	200	368	1	No	
Flowing Wells Rest Area	24	2	2	15	29	5	6	34	25	23	Yes	10	285	2	No	
Gold Creek (East) Rest Area*	74	5	11	78	59	0	5	59	Not Found	35	Yes	100	617	3	Yes	
Gold Creek (West) Rest Area*	89	6	14	99	67	0	6	67	37	22	Yes	100	1,175	6	Yes	
Greycliff (East) Rest Area	83	5	5	36	40	0	5	40	42	35	Yes	172	122	0	No	
Greycliff (West) Rest Area	78	5	4	29	36	0	5	36	50	25	Yes	172	293	0	No	
Hardin (East) Rest Area	59	4	3	22	33	5	9	38	20	12	Yes	50	676	3	Yes	
Hardin (West) Rest Area	49	3	3	22	33	5	8	38	37	22	Yes	50	415	2	Yes	
Harlowton Rest Area	48	3	3	22	33	0	3	33	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Hathaway (East) Rest Area	50	3	3	22	33	5	8	38	60	30	Yes	120	206	1	No	
Hathaway (West) Rest Area	47	3	3	22	33	5	8	38	11	16	Yes	120	715	3	No	
Hysham (East) Rest Area	112	7	6	43	43	0	7	43	50	16	Yes	120	706	3	No	
Hysham (West) Rest Area	123	8	7	50	46	0	8	46	57	28	Yes	120	479	2	No	
Jefferson City (North) Rest Area	80	5	4	29	36	0	5	36	Not Found	35	Yes	50	32	-1	No	
Jefferson City (South) Rest Area	80	5	4	29	36	0	5	36	35	35	Yes	50	32	-1	No	
Lima Rest Area	106	7	6	43	43	0	7	43	N/A	N/A	Yes	N/A	N/A	N/A	N/A	<u> </u>
Lost Trail Pass Rest Area	26	2	2	15	29	0	2	29	N/A	35	Yes	1,000	-155	-6	No	N hol
Mosby Rest Area	53	3	3	22	33	5	9	38	8	35	No	50	781	4	No	
Quartz Flats (East) Rest Area	47	3	3	22	33	0	3	33	100	35	Yes	200	-60	-2	No	L
Quartz Flats (West) Rest Area	50	3	3	22	33	0	3	33	38	35	Yes	200	-60	-2	No	L
Raynolds Pass Rest Area	61	4	4	29	36	6	9	42	25	32	Yes	240	440	1	No	
Roberts Rest Area	11	1	1	9	26	0	1	26	8	8	Yes	40	473	3	Yes	1
Sweet Grass Rest Area	37	2	2	15	29	0	2	29	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Teton River (North) Rest Area	13	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Teton River (South) Rest Area	12	1	1	8	25	0	1	25	N/A	N/A	Yes	N/A	N/A	N/A	N/A	
Troy Rest Area	26	2	2	15	29	0	2	29	20	20	Yes	130	237	1	No	L
Vandalia Rest Area	15	1	1	8	25	5	6	30	19	35	Yes	30	291	2	Yes	Ca

53 0 0 53 N/A N/A Yes

5

 Wibaux Rest Area
 163
 9
 64
 53
 0
 0
 33

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 *Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

⁽¹⁾ Assumes one water closet per restroom stall (Fixture Unit = 5.0), one sinks per restroom stall (Fixture Unit = 2.0), and 2 total drinking fountains (Fixture Unit = 0.5).

⁽²⁾Per Chart A-3, Uniform Plumbing Code, mid-range values. Multiply demand by 1.22 to adjust for 50 psi delivery pressure.
 ⁽³⁾R.O. demand = peak instantaneous flow * (sink & drinking fountain fixture units/total fixture units) * 0.5

Notes
New construction 2014.
New construction 2014.
Municipal System.
System updates in 2015
Rest Area re-construction 2016
Rest Area re-construction 2017
Municipal System.
Municipal System.
Northbound water is supplied by a well,
the couthbound facility
uthbound facility has a well pressure pumps
and a holding tank.
New construction 2013
New construction 2013.
Site is served by two wells.
Municipal System.
Drilled a new well in 2013.
Municipal System.
No well. This site is served by a spring and
olding tank. Assume conveyance can deliver
35 gpm.
Pumped artesian well.
New well in 2018, no other water system
improvements
Municipal System.
Municipal System.
Municipal System.
annot irrigate in late summer due to lack of water
Municipal System

N/A N/A No

1

Theoretical Rest Area Irrigation System Flow Requirements

Combined O	verall Irrigation	Effectiveness = Days/mo. =	65% 31	days	3:1 dry	wet ratio 4-day: Deli	cycles/mo. ⁽¹⁾ = very Period ⁽²⁾ =	7.75 8	cycles/mo. hours	
Rest Area	Is the Site Irrigated?	Is the site irrigated with the same water source that serves the facility?	Approximate Measured Irrigated Area (acres)	Climatic Area #	July Net Irrigation Requirement (in./mo.) ⁽³⁾	Area Per Cycle (25% of Total Area) (acres)	Application Per Cycle (in.) ⁽⁴⁾	Daily Volume Required (gallons)	Flow Rate Required (gpm)	Notes
Anaconda Rest Area	Yes	Yes	1.05	5	3.75	0.26	0.74	5,306	11	
Armington Junction Rest Area	Yes	Yes	0.41	3	4.75	0.10	0.94	2,624	5	
Bad Route Rest Area	Yes	No	2.79	1	5.50	0.70	1.09	20,678	43	Irrigation from canal/diversion gate to a vault with a pump and unground rainbird sprinkler system.
Bearmouth (East) Rest Area	Yes	Yes	0.90	5	3.75	0.23	0.74	4,548	9	
Bearmouth (West) Rest Area	Yes	Yes	0.79	5	3.75	0.20	0.74	3,992	8	
Bozeman Rest Area					3.75	0.00	0.74	0	0	Municipal System.
Bridger Rest Area	Yes	No	1.40	1	5.50	0.35	1.09	10,376	22	
Broadus Rest Area	Yes	Yes	0.48	2	5.10	0.12	1.01	3,299	7	
Clearwater Junction Rest Area	Yes	Yes	0.67	5	3.75	0.17	0.74	3,386	7	
Columbus (East) Rest Area	Yes	No	2.27	1	5.50	0.57	1.09	16,824	35	
Columbus (West) Rest Area	Yes	No	0.88	1	5.50	0.22	1.09	6,522	14	
Conrad Rest Area					3.75	0.00	0.74	0	0	Municipal System.
Culbertson Rest Area					3.75	0.00	0.74	0	0	Municipal System.
Custer (East) Rest Area	Yes	Yes	0.24	1	5.50	0.06	1.09	1,779	4	
Custer (West) Rest Area	Yes	Yes	0.22	1	5.50	0.06	1.09	1,630	3	
Dearborn (North) Rest Area	Yes	Yes	1.00	3	4.75	0.25	0.94	6,401	13	Southbound water is served from well at northbound site.
Dearborn (South) Rest Area	Yes	Yes	0.00	3	4.75	0.00	0.94	0	0	Southbound water is served from well at northbound site.
Dena Mora (East) Rest Area	Yes	Yes	1.12	6	3.75	0.28	0.74	5,660	12	
Dena Mora (West) Rest Area	Yes	Yes	0.62	6	3.75	0.16	0.74	3,133	7	
Divide (North) Rest Area	Yes	Yes	0.30	5	3.75	0.08	0.74	1,516	3	
Divide (South) Rest Area	Yes	Yes	0.42	5	3.75	0.11	0.74	2,122	4	
Emigrant Rest Area	Yes	No	1.16	4	4.20	0.29	0.83	6,565	14	
Flowing Wells Rest Area	No	N/A	0.00	2	5.10	0.00	1.01	0	0	
Gold Creek (East) Rest Area*	Yes	Yes	0.85	5	3.75	0.21	0.74	4,295	9	
Gold Creek (West) Rest Area*	Yes	Yes	0.90	5	3.75	0.23	0.74	4,548	9	Rest area is not depicted on aerial as it is not
Creweliff (March) Doct Area	Ves	No.	0.00	2	5.10	0.00	1.01	0	•	constructed yet. Rest area is not depicted on aerial as it is not
Greycliff (West) Rest Area	Yes	Yes	0.00	2	5.10	0.00	1.01	U 3.928	0	constructed yet.
Hardin (West) Rest Area	Yes	Yes	0.50	1	5.50	0.13	1.09	3,706	8	
Harlowton Rest Area					3.75	0.00	0.74	0	0	Municipal System.
Hathaway (East) Rest Area	Yes	Yes	0.00	1	5.50	0.00	1.09	0	0	Only trees and shrubs are irrigated.
Hathaway (West) Rest Area	Yes	Yes	0.00	1	5.50	0.00	1.09	0	0	Only trees and shrubs are irrigated.
Hysham (East) Rest Area	Yes	No	1.23	1	5.50	0.31	1.09	9,116	19	
Hysham (West) Rest Area	Yes	No	1.14	1	5.50	0.29	1.09	8,449	18	
Jefferson City (North) Rest Area	Yes	Yes	0.52	4	4.20	0.13	0.83	2,943	6	
Jefferson City (South) Rest Area	Yes	Yes	0.51	3	4.75	0.13	0.94	3,264	7	
Lima Rest Area					3.75	0.00	0.74	0	0	Municipal System.
Lost Trail Pass Rest Area	Yes	Yes	1.01	6	3.75	0.25	0.74	5,104	11	
Mosby Rest Area	No	N/A	0.00	1	5.50	0.00	1.09	0	0	Only trees and shrubs are irrigated.
Quartz Flats (East) Rest Area	Yes	Yes	1.10	3	4.75	0.28	0.94	7,041	15	
Quartz Flats (West) Rest Area	Yes	Yes	1.20	3	4.75	0.30	0.94	7,681	16	
kaynoids Pass Rest Area	Yes	Yes	1.02	5	3.75	0.26	0.74	5,154	11	
KODERTS KEST Area	Yes	NO	1.24	3	4.75	0.31	0.94	7,937	17	Municipal Contern
Sweet Grass Kest Area					3.75	0.00	0.74	U	U	Municipal System.
Teton River (North) Rest Area					3.75	0.00	0.74	U	0	Municipal System.
Trou Post Area	Voc	Vor	0.52	2	3./5	0.00	0.74	2 2 2 2	7	wunicipal system.
Vandalia Rest Area	Yes	No	0.52	2	5.10	0.13	1.01	0	0	Irrigation discontinuned due to lack of water in
Wilhouw Port Area	Var	Ver			2.75	0.00	0.74	0	-	peak season.
windux Rest Area	Yes	Yes		l	3.75	0.00	0.74	U	U	Municipal System.

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019). ratio, 25% of the total area must be watered each day. One "cycle" includes one (1) watering day and three (3) drying days. 31 days in July divided by 4 days per cycle; 7.75 cycles/month.

⁽²⁾The assumed delivery period for the required irrigation volume is eight (8) hours per day.

⁽³⁾Refer to graphs from Montana Irrigation Guide (Figure 4.2) for net irrigation by climatic areas/grass.

(4) Includes applied efficiency and uniformity factors.

Rest Area Water System Operation and Maintenance

(Based on 2017/2018 field visits and conversations with system operators/maintenance personal	(D	CIERCIA DE LA CONTRA	
	(Based on 2017/2018 field	id visits and conversations with s	system operators/maintenance personal)

Facility Name	Operation and Maintenance Concern(s)	Operation and Maintenance Score
Anaconda Rest Area	System is operating well, no maintenance concerns; well pump drop pipe replaced 2016 due to pinholes in galvanized pipe.	Fair
Armington Junction Rest Area	When the water pressure is low, the toilets and storage tank keep running. This sets off the alarms. Well pumps replaced in 2015. Occasional chloriform hit, shock well w/chlorine. Replace filters annually.	Fair
Bad Route Rest Area	Treatment system showing signs of aging. System access limited due to location in basement.	Fair
Bearmouth (East) Rest Area	New construction 2014, original well, well pump replaced with improvements. Sand filter maintained quarterly.	Excellent
Bearmouth (West) Rest Area	New construction 2014, original well, well pump replaced with improvements. Sand filter maintained quarterly.	Excellent
Bozeman Rest Area	Lavatory faucets and toilet flush valves.	N/A
Bridger Rest Area	New well pump installed 8/2017; system has issues with sand.	Fair
Broadus Rest Area	Filters changed quarterly.	Fair
Clearwater Junction Rest Area	Chlorine injection system requires high maintenance	Fair
Columbus (East) Rest Area	Replace filters 3 times/year.	Excellent
Columbus (West) Rest Area	Replace filters 3 times/year.	Excellent
Conrad Rest Area	N/A	N/A
Culbertson Rest Area	N/A	N/A
Custer (East) Rest Area	Filter replacement monthly.	Fair
Custer (West) Rest Area	Filter replacement monthly.	Fair
Dearborn (North) Rest Area	None	Excellent
Dearborn (South) Rest Area	None	Excellent
Dena Mora (East) Rest Area	Replace filters monthly; UV system not in use. Iron in water.	Fair
Dena Mora (West) Rest Area	Replace filters monthly; UV system not in use. Iron in water.	Fair
Divide (North) Rest Area	Sediment filters replaced 2x per year; well pumps replaced with facility reconstruction in 2015.	Excellent
Divide (South) Rest Area	Sediment filters replaced 2x per year; well pumps replaced with facility reconstruction in 2015.	Excellent
Emigrant Rest Area	Replace sand filter; typical issues with aging system.	Fair
Flowing Wells Rest Area	New construction 2015.	Excellent
Gold Creek (East) Rest Area*	Rest Area closed; aging system.	Poor
Gold Creek (West) Rest Area*	Rest Area closed; aging system.	Poor
Greycliff (East) Rest Area	New construction 2013. Sediment filters replaced every 3-months. Recent Coliform hit (2018)	Excellent
Grevcliff (West) Rest Area	New construction 2013. Sediment filters replaced every 3-months.	Excellent
Hardin (East) Rest Area	None: aging system.	Fair
Hardin (West) Rest Area	None: aging system.	Fair
Harlowton Rest Area	Changes and upgrades of the City water system have caused some minor glitches due to water pressure.	N/A
Hathaway (East) Rest Area	Filters changed quarterly. RO water to septic.	Fair
Hathaway (West) Rest Area	Problems with silt plugging filters. Well pump went out in 2012 and could not be pulled due to sand. Drilled a new well in 2013. Filters replaced quarterly, RO water to septic.	Fair
Hysham (East) Rest Area	New construction 2017.	Excellent
Hysham (West) Rest Area	New construction 2017.	Excellent
Jefferson City (North) Rest Area	Well pump replaced in 2016, rust present causing staining of fixtures. Filter replacement.	Fair
Jefferson City (South) Rest Area	Well pump replaced in 2016, rust present causing staining of fixtures. Filter replacement.	Fair
Lima Rest Area	None	N/A
Lost Trail Pass Rest Area	Occasionally have issues with the water sequence valves and chlorine feed maintenance.	Fair
Mosby Rest Area	Replace filters monthly.	Fair
Quartz Flats (East) Rest Area	Replace filters every 6-months. Chlorination system maintenance. System is aging.	Fair
Quartz Flats (West) Rest Area	Replace filters every 6-months. Chlorination system maintenance. System is aging.	Fair
Raynolds Pass Rest Area	Replace filters annually.	Excellent
Roberts Rest Area	None	Fair
Sweet Grass Rest Area	None	N/A
Teton River (North) Rest Area	Some staining from City water	N/A
Teton River (South) Rest Area	Some staining from City water	N/A
Troy Rest Area	Replace filter annually: maintain water softener	Fair
Vandalia Rest Area	Issues with sand in the system replace filters, can not get new parts for drinking fountain	Fair
Wibaux Rest Area	None	N/A
WINGUN HESt AILU	NOIC	17/7

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2

Rest Area Water Quality

			Water Treatment										
					Pro	ocess	Disir	fection	1				
Rest Area	Static Water Level (ft.)	Unperforated Casing Depth (ft.)	Disinfection Required due to Well Construction Details?	Y/N	Contaminant	Method	Y/N	Method	# of MCL Violations for Total Coliform/Nitrates within the Past Five Years	Are there existing problems with quality (i.e. failed tests)?	Source Quality (Transient Non- Community) Score	Potential MCL Contaminates	Notes
Anaconda Rest Area	15.0	161.0	Yes	Yes	Iron	Pressure Filter	Yes	UV	2	No	Good	None	
Armington Junction Rest Area	295.0	355.0	No	No	-	Filtration	No	-	0	No	Fair	None	Coliform and Nitrate issues in 2007-2010
Bad Route Rest Area	-69.3	919.0	No	Yes	-	RO	Yes	Chlorine	11	Yes	Fair	pH, Iron	Some violations related to poor reporting
Bearmouth (East) Rest Area	7.0	42.0	Yes	Yes	-	RO	No	-	0	No	Excellent	TDS, Sulfate	New construction 2014.
Bearmouth (West) Rest Area	10.0	49.0	Yes	No	-	RO	No	-	0	No	Excellent	None	New construction 2014.
Bozeman Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Bridger Rest Area	28.2	62.5	No	No	-	-	No	-	3	Yes	Good	E.Coli / TDS	Violation prior to new well in 2015
Broadus Rest Area	56.0	920.0	No	No	-	Filtration	No	-	4	Yes	Poor	Coliform	Operator shocks system but still get coliform hits.
Clearwater Junction Rest Area	24.0	35.0	Yes	Yes	-	Filtration	Yes	Chlorine	3 minor	No	Good	E. Coli	Violation related to poor reporting
Columbus (East) Rest Area	138.0	187.0	No	Yes	-	Filtration	No	-	0	No	Excellent	TDS, Sulfate	New well pump/piping/distribution and filter system in 2016. Well casing not replace, iron flakes in filter system
Columbus (West) Rest Area	150.0	232.0	No	Yes	-	Filtration	No	-	6	No	Good	TDS	not replace, iron flakes in filter system, and sulfur odor. Violation prior to re-construction.
Conrad Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Culbertson Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Custer (East) Rest Area	150.0	258.0	No	No	-	Filtration	No	-	0	No	Excellent	TDS, Sulfate	
Custer (West) Rest Area	135.0	404.0	No	No	-	Filtration	No	-	1	No	Excellent	pH, TDS, Sulfate	
Dearborn (North) Rest Area	-	30.5	No	No	-	-	No	-	0	No	Excellent	None	
Dearborn (South) Rest Area	-	30.5	No	No	-	-	No	-	0	No	Excellent	None	
Dena Mora (East) Rest Area	6.5	29.0	Yes	No	-	Sediment Filter	No	UV	0	No	Good	Iron	Has UV system but no currently used. Heavy Iron in water.
Dena Mora (West) Rest Area	2.2	29.5	Yes	No	-	Sediment Filter	No	UV	2	No	Good	Iron	Has UV system but no currently used. Heavy Iron in water.
Divide (North) Rest Area	166.0	250.0	No	Yes	-	Filtration	No	-	0	No	Good	None	
Divide (South) Rest Area	136.0	267.0	No	Yes	-	Filtration	No	-	0	No	Excellent	Iron, Lead	
Emigrant Rest Area	7.0	73.0	Yes	No	-	-	No	-	0	No	Good	None	
Flowing Wells Rest Area	8.0	103.0	No	Yes	-	RO	No	-	0	No	Excellent	None	New Construction 2015;
Gold Creek (East) Rest Area*	5.0	-	Yes	Yes	-	Filtration	No	-	0	No	Good	None	Seasonal high water
Gold Creek (West) Rest Area*	5.3	240.0	Yes	Yes	-	Filtration	No	-	0	No	Fair	None	Seasonal high water
Greycliff (East) Rest Area	58.0	46.5	NO	NO	-	-	NO	-	1	NO	Good	None	New construction 2013.
Greycliff (West) Rest Area	32.5	42.8	NO	NO	-	-	NO	- Chloring	1	NO	Good	None	New construction 2013.
Hardin (Most) Rest Area	27.0	28.0	NO	Yes	Nitrates	RO	Yes	Chloring	0	NO	Good	рп	RO system has reduced high nitrate problem.
Harlowton Bost Area	50.0 N/A	/5.U	NO	res N/A	Nitrates	RU N/A	Yes		0	NO	GUUU N/A	рп	RO system has reduced high hitrate problem.
Hathoway (East) Post Area	N/A	1N/A 225.0	No	N/A Voc	N/A	PO	N/A Vos	Chlorino	0	No	N/A Epir	Nono	
Hathaway (West) Rest Area	154.0	235.0	No	Ves	-	BO	Ves	Chlorine	1	No	Fair	None	
Hysham (Fast) Rest Area	66.0	220.0	No	No	_	Filtration	No	-	0	No	Excellent	TDS Sulfate Iron	
Hysham (West) Rest Area	41.8	200.0	No	No	-	Filtration	No	-	0	No	Excellent	TDS, June 100, 100	
lefferson City (North) Rest Area	22.0	50.0	Yes	No	-	-	No	-	4	No	Fair	Iron, Lead	Red staining in toilets
lefferson City (South) Rest Area	40.0	120.0	No	No	-	Filtration	No	-	0	No	Good	None	
Lima Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Lost Trail Pass Rest Area	-	-	No	Yes	,	· · ·	Yes	Chlorine	0	No	Good	None	Spring influenced by spring runoff
Mosby Rest Area	-2.0	1650.0	No	Yes	-	RO	No	-	0	No	Good	pH, TDS, Sulfate	Artesian Well, with pump.
Quartz Flats (East) Rest Area	109.0	196.0	No	Yes	-	12 5-Micron Filters	Yes	Chlorine	1	No	Fair	None	
Quartz Flats (West) Rest Area	70.0	151.5	No	Yes	-	12 5-Micron Filters	Yes	Chlorine	0	No	Fair	None	
Raynolds Pass Rest Area	35.0	150.0	No	No	-	RO	Yes	Chlorine	0	No	Good	Arsenic, Fluoride	
Roberts Rest Area	8.0	78.0	Yes	No	-	-	No	-	0	No	Good	None	New well planned in 2018
Sweet Grass Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Teton River (North) Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Teton River (South) Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System
Troy Rest Area	131.0	141.0	No	Yes	-	Filtration and Softening	No	-	0	No	Excellent	None	
Vandalia Rest Area	37.0	56.0	No	Yes	-	RO	Yes	Chlorine	0	No	Good	None	
Wibaux Rest Area	N/A	N/A	No	N/A	N/A	N/A	N/A	N/A	N/A	No	N/A	N/A	Municipal System

8

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

		Year of Water	Water Sustem
En all'ha Mana a	Year of Water	System	water System
Facility Name	System	Rehabilitation or	Remaining 2
	Construction	Replacement ¹	Service Life ⁻
Anaconda Rest Area	2005	2008	10
Armington Junction Rest Area	1992	2011	13
Bad Route Rest Area	1973	1983	-15
Bearmouth (East) Rest Area	1972	2014	16
Bearmouth (West) Rest Area	1972	2014	16
Bozeman Rest Area	2000	-	N/A
Bridger Rest Area	1965	2015	17
Broadus Rest Area	1997	2008	10
Clearwater Junction Rest Area	1999	-	1
Columbus (East) Rest Area	1970	2016	18
Columbus (West) Rest Area	1970	2016	18
Conrad Rest Area	2012	-	N/A
Culbertson Rest Area	1998	-	N/A
Custer (East) Rest Area	1973	-	-25
Custer (West) Rest Area	1973	-	-25
Dearborn (North) Rest Area	2012	-	14
Dearborn (South) Rest Area	2012	-	14
Dena Mora (East) Rest Area	1969	2013	15
Dena Mora (West) Rest Area	1969	2013	15
Divide (North) Rest Area	1975	2015	17
Divide (South) Rest Area	1975	2015	17
Emigrant Rest Area	1989	-	-9
Flowing Wells Rest Area	1960	2015	17
Gold Creek (East) Rest Area*	1973	-	-25
Gold Creek (West) Rest Area*	1973	2000	2
Greycliff (East) Rest Area	1998	2013	15
Greycliff (West) Rest Area	1970	2013	15
Hardin (East) Rest Area	1974	2011	13
Hardin (West) Rest Area	1974	2011	13
Harlowton Rest Area	2011	-	N/A
Hathaway (East) Rest Area	1972	1997	-1
Hathaway (West) Rest Area	1972	2013	15
Hysham (East) Rest Area	1967	2017	19
Hysham (West) Rest Area	1967	2017	19
Jefferson City (North) Rest Area	1973	-	-25
Jefferson City (South) Rest Area	1973	1995	-3
Lima Rest Area	2010	-	N/A
Lost Trail Pass Rest Area	2001	-	3
Mosby Rest Area	2002	2005	7
Quartz Flats (East) Rest Area	1979	2011	13
Quartz Flats (West) Rest Area	1988	-	-10
Raynolds Pass Rest Area	1990	2015	17
Roberts Rest Area	1968	1990	-8
Sweet Grass Rest Area	2002	-	N/A
Teton River (North) Rest Area	2014	-	N/A
Teton River (South) Rest Area	2014	-	N/A
Troy Rest Area	1991	2003	5
Vandalia Rest Area	1965	1995	-3
Wibaux Rest Area	1998	-	N/A

Rest Area Water System Remaining Service Life

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 The water system rehabilitation or replacement year shown indicates the year the facility's well was replaced or facility reconstructed with water system improvements.
 Based on a 20-year service life from the year 2018.

Rest Area Fixture Count 2017-18 Field Visits

Rest Area	Drinking	Men's Room			Woman	's Room	Total Sink	Total Toilet	et Nister	
Kest Area	Fountain	Sinks	Toilets	Urinals	Sinks	Toilets	Count	Count	Notes	
Anaconda Rest Area	2	5	5	5	5	5	10	15		
Armington Junction Rest Area	2	1	2	1	1	3	2	6		
Bad Route Rest Area	2	2	2	1	2	3	4	6		
Bearmouth (East) Rest Area	2	4	4	4	4	4	8	12		
Bearmouth (West) Rest Area	2	4	4	4	4	4	8	12		
Bozeman Rest Area	2	4	4	2	4	6	8	12		
Bridger Rest Area	2	2	2	1	2	3	4	6		
Broadus Rest Area	2	1	1	1	1	2	2	4		
Clearwater Junction Rest Area	2	1	1	1	1	2	2	4		
Columbus (East) Rest Area	2	4	4	4	4	4	8	12		
Columbus (West) Rest Area	2	4	4	4	4	4	8	12		
Conrad Rest Area	2	4	4	4	4	4	8	12		
Culbertson Rest Area	2	1	1	1	1	2	2	4		
Custer (East) Rest Area	2	2	2	1	2	3	4	6		
Custer (West) Rest Area	2	2	2	1	2	3	4	6		
Dearborn (North) Rest Area	2	3	3	3	4	4	7	10		
Dearborn (South) Rest Area	2	3	3	3	4	4	7	10		
Dena Mora (East) Rest Area	2	4	4	4	4	4	8	12		
Dena Mora (West) Rest Area	2	4	4	4	4	4	8	12		
Divide (North) Rest Area	2	4	4	4	4	4	8	12		
Divide (South) Rest Area	2	4	4	4	4	4	8	12		
Emigrant Rest Area	1	2	2	1	2	3	4	6		
Flowing Wells Rest Area	2	3	3	3	3	3	6	9		
Gold Creek (East) Rest Area*							0	0		
Gold Creek (West) Rest Area*							0	0		
Greycliff (East) Rest Area	2	4	4	4	4	4	8	12		
Greycliff (West) Rest Area	2	4	4	4	4	4	8	12		
Hardin (East) Rest Area	2	2	2	1	2	3	4	6		
Hardin (West) Rest Area	2	2	2	1	2	3	4	6		
Harlowton Rest Area	2	4	4	4	4	4	8	12		
Hathaway (East) Rest Area	2	2	2	1	2	3	4	6		
Hathaway (West) Rest Area	2	2	2	1	2	3	4	6		
Hysham (East) Rest Area	2	4	3	5	4	4	8	12		
Hysham (West) Rest Area	2	4	3	5	4	4	8	12		
Jefferson City (North) Rest Area	1	1	1	1	1	2	2	4	Drinking fountain does not work	
Jefferson City (South) Rest Area	1	1	1	1	1	2	2	4		
Lima Rest Area	2	3	3	3	5	5	8	11		
Lost Trail Pass Rest Area	2	1	2	1	1	3	2	6		
Mosby Rest Area	2	4	4	4	4	4	8	12		
Quartz Flats (East) Rest Area	2	2	2	2	2	4	4	8		
Quartz Flats (West) Rest Area	2	2	2	2	2	4	4	8		
Raynolds Pass Rest Area	2	3	3	3	3	3	6	9		
Roberts Rest Area	2	1	1	1	1	2	2	4		
Sweet Grass Rest Area	2	3	3	3	5	5	8	11		
Teton River (North) Rest Area	2	1	2	1	1	3	2	6		
Teton River (South) Rest Area	2	1	2	1	1	3	2	6		
Troy Rest Area	1	2	2	1	2	3	4	6		
Vandalia Rest Area	2	1	1	1	1	2	2	4		
Wibaux Rest Area	2	1	1	1	1	2	2	4		
*Note: Gold Creek was a rest area at the time of o	data collectio	n; programn	ned to be rea	constructed a	as parking ar	ea (UPN 925	3 001, anticipat	ed let date June	2019).	

	Lower Curve	Upper Curve	Average
Fixture Unit	Demand	Demand	Demand
	(gpm)	(gpm)	(gpm)
10	8	27	17.50
20	15	35	25.00
30	20	41	30.50
40	25	46	35.50
50	29	51	40.00
60	32	55	43.50
70	35	58	46.50
80	38	61	49.50
90	41	64	52.50
100	44	67	55.50
110	46	70	58.00
120	48	72	60.00
130	50	75	62.50
140	53	76	64.50
150	55	79	67.00
160	57	81	69.00
170	59	84	71.50
180	60	85	72.50
190	62	88	75.00
200	64	90	77.00
210	66	92	79.00
220	68	94	81.00
230	70	95	82.50
240	71	97	84.00



Labs Results (2012)

Facility Name	Coliform, Total	Coliform, E- Coli	рН	CoOuctivity @25C	Solids, TDS @180C	Alkalinity, Total CaCO3	Chloride	Sulfate	Nitrate as N	Nitrate+ Nitrite as N	Nitrite as N	Arsenic	Calcium	Iron	Lead	Magnesium	Potassium	Sodium
	P/A	P/A	s.u.	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Bad Route Rest Area	Absent	Absent	8.8	60	33	17	5	1		0.02		0	0	0.38	0.004	0	0	12
Bearmouth (East) Rest Area	Absent	Absent	7.3	945	678	170	9	340	0.46	0.46	0	0.005	103	0	0	34	13	44
Bearmouth (West) Rest Area	Absent	Absent	7.5	486	320	170	7	60	0.11	0.11	0	0.005	0	0	0	0	1	111
Bridger Rest Area	Absent	Absent	7.3	1,300	793	434	1	24		2.15		0	95	0.09	0	36	3	147
Broadus Rest Area	Absent	Absent	8.8	1,170	674	288	8	273		0		0	1	0.05	0	0	0	267
Clearwater Junction Rest Area	Absent	NA	7.0	153	83	69	5	1	0.04	0.04	0	0	21	0	0	6	0	4
Columbus (East) Rest Area	Absent	Absent	7.4	1,460	950	431	19	375		0.77		0	78	0	0	52	3	191
Columbus (West) Rest Area	Absent	Absent	7.6	1,240	748	492	18	191		0		0	34	0.22	0	24	2	227
Custer (East) Rest Area	Absent	Absent	8.4	2,480	1,640	383	19	801		0		0	6	0.04	0	2	1	577
Custer (West) Rest Area	Absent	Absent	8.6	1,920	1,240	371	23	506		0		0	2	0.03	0	0	0	442
Dena Mora (East) Rest Area	Absent	NA	6.8	89	47	37	4	0	0.06	0.05	0	0	11	0	0	3	0	3
Dena Mora (West) Rest Area	Absent	NA	7.0	159	87	50	17	1	0.06	0.04	0	0.002	13	0.04	0	5	0	11
Divide (South) Rest Area			6.8	306	187	110	4	29		0.2		0.003	63	2.29	0.035	13	5	65
Emigrant Rest Area	Absent	Absent	7.9	242	169	120	2	8		0.13		0.007	19	0.06	0	6	5	24
Flowing Wells Rest Area	Absent	Absent	8.6	2,230	1,430	519	30	561		0.01		0	4	0.19	0.001	2	2	522
Gold Creek (East) Rest Area	Absent	Absent	7.2	592	383	230	9	76	0.01	0.01	0	0.002	83	0.06	0	15	3	19
Gold Creek (West) Rest Area	Absent	Absent	7.4	448	281	220	3	22	0	0	0	0.002	61	0	0	15	2	9
Greycliff (East) Rest Area	Absent	Absent	7.6	428	250	189	8	37		0.83		0.002	50	0	0	12	0	23
Greycliff (West) Rest Area	Absent	Absent	7.5	412	227	149	11	29		1.69		0.008	44	0	0	11	3	26
Hardin (East) Rest Area	Absent	Absent	6.1	46	0	9	3	5		0.23		0	0	0	0.001	0	0	7
Hardin (West) Rest Area	Absent	аа	5.9	57	0	8	5	5		0.94		0	0	0	0	0	0	10
Hathaway (East) Rest Area			7.5	156	95	38	19	2		0.01		0	0	0	0.001	0	0	35
Hathaway (West) Rest Area			7.8	155	86	56	16	0		0.02		0	0	0	0.003	0	0	35
Hysham (East) Rest Area	Absent	Absent	7.2	1,790	1,230	426	15	534		0.04		0	1.04	0.49	0	61	4	246
Hysham (West) Rest Area	Absent	Absent	7.3	1,570	1,050	393	12	132		0		0	83	1.04	0	44	4	238
Jefferson City (North) Rest Area	Absent	Absent	6.8	323	211	54	4	87		0.36		0.003	38	1.27	0.023	8	2	9
Jefferson City (South) Rest Area	Absent	Absent	7.3	712	421	330	5	50		0		0.002	59	0.16	0	23	3	61
Lost Trail Pass Rest Area	Absent	Absent	7.1	37	23	20	0	0	0.09	0.09	0	0	4	0	0	0	0	2
Mosby Rest Area	Absent	Absent	8.6	1,580	1,010	415	27	321		0		0	2	0.12	0.009	0	1	340
Quartz Flats (East) Rest Area	Absent	Absent	7.9	268	154	130	2	9	0.13	0.13	0	0.001	34	0	0	10	1	6
Quartz Flats (West) Rest Area	Absent	Absent	7.9	271	151	140	1	7	0.15	0.15	0	0.002	35	0	0	11	1	3
Roberts Rest Area			7.6	601	303	320	5	18		0.05		0	67	0.12	0	27	3	24
Troy Rest Area	Absent	Absent	7.6	519	308	13	7	1	0.56	0	0	0	0	0	0	0	0	111
Vandalia Rest Area	Absent	Absent	6.8	109	84	34	2	11		0.25		0	1	0	0.002	0	0	22

	Alphabetical		Lowest to Highest Score						
	Rest Area Name	Water System Health Index Score		Rest Area Name	Water System Health Index Score				
1	Anaconda Rest Area	15.33	1	Gold Creek (West) Rest Area	2.67				
2	Armington Junction Rest Area	10.33	2	Gold Creek (East) Rest Area	5.67				
3	Bad Route Rest Area	13.33	3	Roberts Rest Area	8.67				
4	Bearmouth (East) Rest Area	26.00	4	Vandalia Rest Area	8.67				
5	Bearmouth (West) Rest Area	26.00	5	Armington Junction Rest Area	10.33				
6	Bozeman Rest Area	26.00	6	Mosby Rest Area	12.00				
7	Bridger Rest Area	21.33	7	Emigrant Rest Area	12.00				
8	Broadus Rest Area	14.67	8	Hardin (East) Rest Area	12.00				
9	Clearwater Junction Rest Area	13.67	9	Hardin (West) Rest Area	12.00				
10	Columbus (East) Rest Area	23.33	10	Hathaway (East) Rest Area	12.00				
11	Columbus (West) Rest Area	21.67	11	Bad Route Rest Area	13.33				
12	Conrad Rest Area	26.00	12	Clearwater Junction Rest Area	13.67				
13	Culbertson Rest Area	26.00	13	Jefferson City (North) Rest Area	14.67				
14	Custer (East) Rest Area	16.67	14	Quartz Flats (West) Rest Area	14.67				
15	Custer (West) Rest Area	18.00	15	Anaconda Rest Area	15.33				
16	Dearborn (North) Rest Area	21.67	16	Broadus Rest Area	14.67				
1/	Dearborn (South) Rest Area	21.67	1/	Jefferson City (South) Rest Area	16.33				
18	Dena Mora (East) Rest Area	18.33	18	Lost Irall Pass Rest Area	16.33				
19	Dena Mora (West) Rest Area	19.67	19	Lathaway (Mest) Rest Area	15.67				
20	Divide (North) Rest Area	24.33	20	Troy Bost Area	15.33				
21	Emigrant Post Area	24.55	21	Custor (Most) Bost Aroa	13.33				
22	Elowing Wells Rest Area	23 33	22	Quartz Elats (East) Rest Area	18.00				
24	Gold Creek (Fast) Best Area	5.67	24	Dena Mora (Fast) Rest Area	18.33				
25	Gold Creek (West) Rest Area	2.67	25	Bridger Rest Area	21.33				
26	Grevcliff (Fast) Rest Area*	22.67	26	Dena Mora (West) Rest Area	19.67				
27	Grevcliff (West) Rest Area*	22.67	27	Columbus (West) Rest Area	21.67				
28	Hardin (East) Rest Area	12.00	28	Raynolds Pass Rest Area	21.67				
29	Hardin (West) Rest Area	12.00	29	Columbus (East) Rest Area	23.33				
30	Harlowton Rest Area	26.00	30	Dearborn (North) Rest Area	21.67				
31	Hathaway (East) Rest Area	12.00	31	Dearborn (South) Rest Area	21.67				
32	Hathaway (West) Rest Area	15.33	32	Flowing Wells Rest Area	23.33				
33	Hysham (East) Rest Area	24.67	33	Hysham (West) Rest Area	23.33				
34	Hysham (West) Rest Area	23.33	34	Divide (North) Rest Area	24.33				
35	Jefferson City (North) Rest Area	14.67	35	Divide (South) Rest Area	24.33				
36	Jefferson City (South) Rest Area	16.33	36	Greycliff (East) Rest Area*	22.67				
37	Lima Rest Area	26.00	37	Greycliff (West) Rest Area*	22.67				
38	Lost Trail Pass Rest Area	16.33	38	Hysham (East) Rest Area	24.67				
39	Mosby Rest Area	12.00	39	Bearmouth (East) Rest Area	26.00				
40	Quartz Flats (East) Rest Area	18.00	40	Bearmouth (West) Rest Area	26.00				
41	Quartz Flats (West) Rest Area	14.67	41	Bozeman Rest Area	26.00				
42	Raynolds Pass Rest Area	21.67	42	Conrad Rest Area	26.00				
43	Roberts Rest Area	8.67	43	Culbertson Rest Area	26.00				
44	Sweet Grass Rest Area	26.00	44	Harlowton Rest Area	26.00				
45	Teton River (North) Rest Area	26.00	45	Lima Rest Area	26.00				
46	Teton River (South) Rest Area	26.00	46	Sweet Grass Rest Area	26.00				
47	Troy Rest Area	15.33	47	Teton River (North) Rest Area	26.00				
48	vandalia Kest Area	8.67	48	Leton River (South) Rest Area	26.00				
49	Wibaux Rest Area	26.00	49	Wibaux Rest Area	26.00				

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Attachment 8

WASTEWATER CALCULATIONS

Rest Area Wastewater System Summary

		Wastewater Systems									
Rest Area Name	Municipal	Treatment	Wastewater	Operation &	Site	Remaining					
	System (Y/N)	System	Design Flow	Maintenance	Constraints	Service Life					
1 Anaconda Rest Area	No	Good	Fair	Good	Excellent	Fair					
2 Armington Junction Rest Area	No	Good	Good	Good	Good	Fair					
3 Bad Route Rest Area	No	Fair	Fair	Good	Excellent	Good					
4 Bearmouth (East) Rest Area	No	Excellent	Poor	Good	Poor	Excellent					
5 Bearmouth (West) Rest Area	No	Excellent	Poor	Good	Poor	Excellent					
6 Bozeman Rest Area	Yes	-	-	-	-	-					
7 Bridger Rest Area	No	Good	Good	Good	Excellent	Poor					
8 Broadus Rest Area	No	Good	Excellent	Excellent	Excellent	Good					
9 Clearwater Junction Rest Area	No	Good	Fair	Good	Excellent	Poor					
10 Columbus (East) Rest Area	No	Excellent	Poor	Good	Poor	Excellent					
11 Columbus (West) Rest Area	No	Excellent	Poor	Good	Poor	Excellent					
12 Conrad Rest Area	Yes	-	-	-	-	-					
13 Culbertson Rest Area	Yes	-	-	-	-	-					
14 Custer (East) Rest Area	No	Fair	Fair	Poor	Excellent	Poor					
15 Custer (West) Rest Area	No	Fair	Fair	Poor	Excellent	Poor					
16 Dearborn (North) Rest Area	No	Excellent	Fair	Good	Good	Good					
17 Dearborn (South) Rest Area	No	Excellent	Fair	Good	Poor	Good					
18 Dena Mora (East) Rest Area	No	Excellent	Good	Poor	Poor	Good					
19 Dena Mora (West) Rest Area	No	Excellent	Good	Poor	Good	Good					
20 Divide (North) Rest Area	No	Excellent	Excellent	Good	Excellent	Excellent					
21 Divide (South) Rest Area	No	Excellent	Excellent	Good	Excellent	Excellent					
22 Emigrant Rest Area	No	Good	Good	Good	Poor	Poor					
23 Flowing Wells Rest Area	No	Excellent	Good	Good	Good	Excellent					
24 Gold Creek (East) Rest Area*	No	Good	Fair	Poor	Poor	Poor					
25 Gold Creek (West) Rest Area*	No	Fair	Fair	Poor	Poor	Poor					
26 Greycliff (East) Rest Area	No	Excellent	Poor	Good	Poor	Good					
27 Greycliff (West) Rest Area	No	Excellent	Poor	Good	Fair	Good					
28 Hardin (East) Rest Area	No	Fair	Fair	Poor	Excellent	Good					
29 Hardin (West) Rest Area	No	Fair	Fair	Poor	Excellent	Good					
30 Harlowton Rest Area	Yes	-	-	-	-	-					
31 Hathaway (East) Rest Area	No	Good	Good	Good	Excellent	Poor					
32 Hathaway (West) Rest Area	No	Good	Good	Good	Excellent	Poor					
33 Hysham (East) Rest Area	No	Excellent	Fair	Good	Poor	Excellent					
34 Hysham (West) Rest Area	No	Excellent	Fair	Good	Poor	Excellent					
35 Jefferson City (North) Rest Area	No	Fair	Fair	Good	Excellent	Poor					
36 Jefferson City (South) Rest Area	No	Fair	Fair	Good	Excellent	Poor					
37 Lima Rest Area	No	Excellent	Fair	Good	Excellent	Good					
38 Lost Trail Pass Rest Area	No	Good	Excellent	Good	Excellent	Poor					
39 Mosby Rest Area	No	Good	Fair	Poor	Poor	Good					
40 Quartz Flats (East) Rest Area	No	Fair	Fair	Good	Fair	Poor					
41 Quartz Flats (West) Rest Area	No	Fair	Fair	Good	Fair	Poor					
42 Raynolds Pass Rest Area	No	Excellent	Poor	Good	Excellent	Excellent					
43 Roberts Rest Area	No	Fair	Fair	Good	Poor	Poor					
44 Sweet Grass Rest Area	Yes	-	-	-	-	-					
45 Teton River (North) Rest Area	No	Good	Excellent	Poor	Excellent	Good					
46 Teton River (South) Rest Area	No	Good	Excellent	Poor	Excellent	Good					
47 Troy Rest Area	No	Good	Excellent	Good	Excellent	Poor					
48 Vandalia Rest Area	No	Good	Excellent	Poor	Excellent	Poor					
49 Wibaux Rest Area	Yes	-	-	-	-	-					

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Rest Area Wastewater Treatment Systems & General Information

			Estimated Existing Wastewater System Design Flow					
Facility Name	Wastewater Treatment System ⁽¹⁾	General System Notes	Existing System Design Flow Source	Estimated Existing System Design Flow ⁽²⁾ (gpd)	Existing System Comments			
Anaconda Rest Area	On-Site Septic Drainfield, Dosed	Drainfield area mounded. Natural wetlands area east of drainfield.	Approximated from Aerial Imagery	3,000	Sand mound is approx. 7,500 sf (150'x50') Assume a load rate of 0.4 gpd/sf			
Armington Junction Rest Area	On-Site Septic Drainfield, Dosed	Treatment system also serves weigh station and MDT shops. Demand	Estimated from 1990 Record Drawingr	2,280	No record of drainfield improvements in 2007.			
Bad Route Rest Area	On-Site Septic Drainfield, Gravity	Site has two drainfields, old and new, operators use a valve to switch between drainfields every 6-months. Site has 2- 5,000 septic tanks in-line, nump/cleaned every vear.	Estimated from 1998 Record Drawings	2,700	Laterals count and length estimated (scaled) from 1998 landscape record drawings.			
Bearmouth (East) Rest Area	On-Site Advanced System	New construction 2014. Treatment system located on-site for eastbound site. Effluent pumped to drainfield located approx. 2,800 SE of facility.	MDEQ Approval, 2012	2,250	System approved for 4,500 gpd for both east & west bound sites.			
Bearmouth (West) Rest Area	On-Site Advanced System	New construction 2014. A grinder pump conveys wastewater to treatment system located at the eastbound site. Effluent pumped to drainfield located approx. 2,800 SE of facility.	MDEQ Approval, 2012	2,250	System approved for 4,500 gpd for both east & west bound sites.			
Bozeman Rest Area	Municipal	None	N/A Estimated from 1987	N/A				
Bridger Rest Area	On-site Septic Drainfield, Dosed	Replaced drainfield and dose system in 2017. No effluent filters on septic	Record Drawings 2017 Powder County	1,134	1 wo zones drainneid with 14-45 laterais each zone			
Broadus Rest Area	On-Site Septic Drainfield, Dosed	tanks, did not replace septic tank with 2017 improvements. Facility sees increased use due to FWP's Boat Inspection Station and RV	Septic Permit	3,000				
Clearwater Junction Rest Area	On-Site Septic Drainfield, Dosed	Dump. Drainfield located in a low spot. RV dump, caretaker, and weigh station on separate drainfields. System constructed new in 2016 with facility improvements. Eastbound	Estimated from 1997 Record Drawings	1,534	Drawings show 190 meters of 4° perforated PVC pipe; 3 laterals at 63.3 meters each			
Columbus (East) Rest Area	On-Site Advanced System	facility has treatment system and drainfield for both east and westbound sites.	Final Consultant Activity 175	1,693	System approved for 3,386 gpd for both east & west bound sites.			
Columbus (West) Rest Area	On-Site Advanced System	pumped to eastbound facility for treatment and disposal.	Activity 175	1,693	bound sites.			
Conrad Rest Area Culbertson Rest Area	Municipal Municipal	None None	N/A N/A	N/A N/A				
Custer (East) Rest Area	On-Site Septic Drainfield, Gravity	Appear to have a shallow drainfield. Signs of drainfield near failure.	Estimated from 1973 Record Drawings	1,350	Quantity on record drawings list 900 lf of 4" drain tile and estimated design percolation rate of 10 min/in. (actual 4.25 min/in).			
Custer (West) Rest Area	On-Site Septic Drainfield, Gravity	Appear to have a shallow drainfield and stormwater from parking area may run-on to drainfield. Drainfield near failure due to age and use.	Estimated from 1973 Record Drawings	1,620	Quantity on record drawings list 900 lf of 4" drain tile and estimated design percolation rate of 10 min/in. (actual 4.25 min/in).			
Dearborn (North) Rest Area	On-Site Advanced System	System constructed new in 2012 with facility improvements. Northbound site has treatment and drainfield for both north and southbound sites. Facility in Lewis & Clark County, drainfield in Cascade county.	Lewis & Clark County Septic Permit (2011)	1,435	System approved for 2,870 gpd for both north & south bound sites.			
Dearborn (South) Rest Area	On-Site Advanced System	System constructed new in 2012 with facility improvements. Northbound site has treatment and drainfield for both north and southbound sites. Facility in Lewis & Clark County, drainfield in Cascade county.	Lewis & Clark County Septic Permit (2011)	1,435	System approved for 2,870 gpd for both north & south bound sites.			
Dena Mora (East) Rest Area	On-Site Advanced System	Eastbound wastewater gravity flows to westbound facility for treatment and disposal. Ongoing issues with groundwater and surface water infiltration. (MGWPCS Permit #MTX000138)	Estimated from 2013 Record Drawings		See west bound for drainfield calcs. (combined drainfield).			
Dena Mora (West) Rest Area	On-Site Advanced System	Westbound site has treatment and drainfield for both east and westbound sites. Ongoing issues with groundwater and surface water infiltration. Drainfield is a sand mound. (MGWPCS Permit #MTX000138)	Estimated from 2013 Record Drawings	10,200	Sand mound having 5 zones w/17-50' laterals each zone.			
Divide (North) Rest Area	On-Site Advanced System	System constructed new in 2015.	Estimated from 2016 Record Drawings	2,736	Two zones drainfield with 4-95' laterals each zone. Assume 50% drainfield reduction due to Level II system.			
Divide (South) Rest Area	On-Site Advanced System	System constructed new in 2015.	Estimated from 2016 Record Drawings	2,736	Two zones drainfield with 4-95' laterals each zone. Assume 50% drainfield reduction due to Level II system.			
Emigrant Rest Area	On-Site Septic Drainfield, Dosed	Potential for stormwater ponding over drainfield.	Estimated from 1988 Record Drawings	1,341	Quantity on record drawings list 894' of 4"PVC perforated pipe.			
Flowing Wells Rest Area	On-Site Advanced System	System has issues with crust buildup and stuck pump floats.	Final Consultant Activity 175	1,175	Two zones system with 5-96' laterals each zone.			
Gold Creek (East) Rest Area*	On-Site Septic Drainfield, Dosed	System at useful life; signs of groundwater infiltration. Pumps in a confined space. Signs of failing drainfield	Estimated from 1973 Record Drawings	2,145	Quantity on record drawings list 1,430 lf of 4" drain tile.			
Gold Creek (West) Rest Area*	On-Site Septic Drainfield, Gravity	System at useful life; drainfield shows signs of failure.	Estimated from 1973 Record Drawings	2,145	Quantity on record drawings list 1,430 lf of 4" drain tile.			
Greycliff (East) Rest Area	On-Site Advanced System	System constructed new in 2013 with facility improvements. Wastewater pumped to westbound facility for treatment and disposal.	Sweetgrass County Septic Permit, 2013	1,382	System approved for 2,764 gpd for both east & west bound sites.			
Greycliff (West) Rest Area	On-Site Advanced System	facility has treatment system and two total drainfields for east and	Sweetgrass County Septic Permit, 2013	1,382	System approved for 2,764 gpd for both east & west bound sites.			
Hardin (East) Rest Area	On-Site Septic Drainfield, Gravity	westbound sites. Drainfield appeared near capacity or failing.	Estimated from 1974 Record Drawings	1,601	Quantity on record drawings list 1,779 lf of 4" drain tile and percolation rate 30 min/in. No record of system undates in 2011			
Hardin (West) Rest Area	On-Site Septic Drainfield, Gravity	Drainfield appeared near capacity or failing	Estimated from 1974 Record Drawings	1,363	Quantity on record drawings list 1,514 lf of 4" drain tile and percolation rate 30 min/in. No record of system undates in 2011			
Harlowton Rest Area	Municipal	None	N/A Estimated from 1998	N/A	1998 improvements added 9-100' laterals to the			
Hathaway (East) Rest Area	On-Site Septic Drainfield, Dosed	No effluent filter. Also receives RO water.	Record Drawings Estimated from 1998	2,850	system, for a system total of 19-100' laterals.			
Hathaway (West) Rest Area	On-Site Septic Drainfield, Dosed	No effluent filter. Also receives RO water.	Record Drawings	2,160	system, for a system total of 18-100' laterals.			
Hysham (East) Rest Area	On-Site Advanced System	New construction 2017, combined drainfield located on eastbound site.	Final Consultant Activity 175	2,890	Assumes a combined drainfield with zones for each site. No information on newly constructed system.			
Hysham (West) Rest Area	On-Site Advanced System	New construction 2017, wastewater pumped to eastbound site for treatment and disposal. Drainfield located borrow pit area, close proximity to creek and highway.	Final Consultant Activity 175	2,890	Assumes a combined drainfield with zones for each site. No information on newly constructed system.			
Jefferson City (North) Rest Area	On-Site Septic Drainfield, Gravity	Surface water ponding possible over septic tank and drainfield. Cleanouts missing caps or broken.	Estimated from 1972 Design Drawings Estimated from 1998	1,200	Laterals estimated based on facility site record drawing, 5-100' laterals. Laterals estimated based on facility site record			
Jefferson City (South) Rest Area	On-Site Septic Drainfield, Gravity	Depressed area near drainfield, possible surface water influence. System constructed in 2011. Occasional issues with long term nower	Record Drawings	1,200	drawing, 5-100' laterals.			
Lima Rest Area	On-Site Advanced System	outages. Water system connected to municipality.	Packet Estimated from 1997	3,156				
Lost Trail Pass Rest Area	On-Site Septic Drainfield, Dosed	Two tanks in series, septic and dose. Visitors center also located at facility. Field visit (2017) observed effluent surfacing downstream of the sand	Record Drawings	2,100	Sand mound system with 6-36' laterals; Sand			
Mosby Rest Area	On-Site Septic Drainfield, Dosed	mound, MDT was notified of observation. System is failing or operating beyond its design capacity. Aging system with heavy use. Tire rutting over drainfield area and	Estimated from 2007 Record Drawings Estimated from 1989	1,478	mound is approx. 1,848 sf. Assume a load rate of 0.8 gpd/sf			
Quartz Flats (East) Rest Area	On-Site Septic Drainfield, Gravity	showing signs of failure. Wastewater pumped to gravity drainfield.	Record Drawings Estimated from 1989	2,100	Two zones drainheld with 7-100' laterals each zone			
Quartz Flats (West) Rest Area	Un-Site Septic Drainfield, Gravity	Aging system with heavy use.	Record Drawings WGM 0&M Manual	2,100	1 wo zones drainheld with 7-100' laterals each zone Advanced treatment with 7-76' laterals and			
Raynolds Pass Rest Area	On-Site Advanced System	System constructed new in 2015 with facility improvements. Aging system, light use, site improvements expected in 2019. No centic	(2016) Estimated from 1969	925	estimated application rate 0.3 gpd/sf.			
Roberts Rest Area	On-Site Septic Drainfield, Gravity	improvements planned.	Record Drawings	488	laterals.			
Toton River (North) Post Acer	On Site Sentic Desisfield Down	System constructed in 2013 with facility improvements. Site	Estimated from 1975	1 500	New septic tanks in 2013; no improvements to the			
Toton River (South) Rest Area	On Site Septic Drainfield, Dosed	by city. Occasional freezing issues in the winter. System constructed in 2013 with facility improvements. Site	Record Drawings Estimated from 1975	1,000	0.50 gpd/sf. New septic tanks in 2013; no improvements to the drainfield 12-100 laterals and applications in the			
Troy Rest Area	On-Site Sentic Drainfield Dorod	by city. Occasional freezing issues in the winter.	Record Drawings Estimated from 1991	1,080	0.30 gpd/sf.			
Vandalia Rest Arco	On-Site Sentic Drainfield Dead	Field visit (2017) observed a failing desinfield	Record Drawings Estimated from 1994	1 260	Two zones drainfield with 7, 100' laterals each acce			
Wilhoux Port Aro-	Muri-iI	Septic tank on-site collects solids and effluent settling tanks. Effluent sent	Record Drawings	1,200 N / A	1 wo zones uranmeru witil /-100 laterais each zone			
wingnx kest alea	Municipal	to the City system for disposal/treatment.	N/A	N/A				

*Note: Gold Creek was a rest area at he time of data collection; programment to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

1 - The wastewater treatment systems identified reflects the treatment process only, i.e. gravity drainfield, pressure dosed drainfield, Advanced Level II, or Municipal connection. Additional infrastructure may be present, such as a pump station to convey wastewater to the treatment system which is identified in the system notes or operation/maintenance.

2-Estimated existing system design flow rates are based on the most relevant data available. Planning documents and record drawing information may vary from the actual permitted septic system due to variables site and final design conditions. Existing system design flows based on record drawings are estimated based on number of lateral, angth of laterals, 3.0' wide lateral trench and assumed NRCS soil's application rate.

2016 Rest Area Wastewater System Design Flow Requirements

201 Restroom Users Per Vehicle = 1.5 Water Usage Per Restroom User = 1.5 Gallons Water Usage Per Restroom User (New) = 2.5 Gallons Water Usage Per Restroom User (sinks and drinking fountains only) = 0.5 Gallons

Facility Name	90th Percentile Daily People, PDP	Average Annual Daily Traffic, AADT	Proportion of Mainline Traffic Stopping at Rest Area, P	Average Daily Domestic Design Flow (gnd)	R.O. Treatment Unit Reject Water (gnd)	Total Wastewater System Design Flow (gnd)	Is a Discharge Permit Required?	NRCS Soil Map Unit Name	Application Rate (gpd/ft ²) ⁽¹⁾	Drainfield Size (ft ²) ⁽²⁾	# of Laterals ⁽³⁾	Total Footprint	t of Drainfield ⁽⁴⁾	
	101		(WTI Method)	(spu)	Water (gpu)	How (Spa)						ft ²	acres	
Anaconda Rest Area	1,358	7,592		2,037	0	2,037	No	Cetrack Loam	0.40	2,547	9	5,900	0.14	1
Armington Junction Rest Area	715	1,710		1,073	0	1,073	No	Rivra Gravelly Sandy Loam	0.80	670	3	1,700	0.04	1
Bad Route Rest Area	739	4,297		1,108	194	1,302	No	Lonna Silt Loam	0.50	1,302	5	3,100	0.07	
Bearmouth (East) Rest Area	908	9,241		2,270	238	2,508	No	Mccabe-Canarway Complex	0.80	1,568	6	3,800	0.09	Adv we
Bearmouth (West) Rest Area	1,230	9,241		3,076	323	3,399	No	Mccabe-Canarway Complex	0.80	2,124	8	5,200	0.12	W pi
Bozeman Rest Area	834	27,337		1,251	0	1,251	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1
Bridger Rest Area	311	4,077		467	0	467	No	Haverson-Heldt Silty Clay Loam	0.30	778	3	1,700	0.04	1
Broadus Rest Area	244	2,770		366	0	366	No	Vona-Remmit Fine Sandy Loam	0.50	366	2	1,000	0.02	1
Clearwater Junction Rest Area	807	2,588		1,210	0	1,210	No	Perma Gravelly Loam	0.80	756	3	1,700	0.04	
Columbus (East) Rest Area	1,240	11,699	0.11	3,101	0	3,101	No	Lambeth-Yawdim Complex	0.50	3,101	11	7,300	0.17	Ad
Columbus (West) Rest Area	990	11,699	0.08	2,475	0	2,475	No	Lambeth-Yawdim Complex	0.50	2,475	9	5,900	0.14	\
Conrad Rest Area	325	3,293		487	0	487	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Culbertson Rest Area	67	1,924	0.03	100	0	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Custer (East) Rest Area	411	4,588		617	0	617	No	Blacksheep, Dry-Cabbart, Dry-Rock Outcrop Complex	0.50	617	3	1,700	0.04	_
Custer (West) Rest Area	477	4,588		716	0	716	No	Yegen Sandy Loam	0.60	597	2	1,000	0.02	
Dearborn (North) Rest Area	544	4,044		1,360	0	1,360	No	Chinook Sandy Loam	0.50	1,360	5	3,100	0.07	Adv
Dearborn (South) Rest Area	478	4,044		1,195	0	1,195	No	Chinook Sandy Loam	0.50	1,195	4	2,400	0.06	no
Dena Mora (East) Rest Area	1,722	7,431		See Westbound	0			Not Completed	0.80					Adv t
Dena Mora (West) Rest Area	1,291	7,431		7,532	0	7,532	Yes	Not Completed	0.80	4,707	16	10,800	0.25	Ad si
Divide (North) Rest Area	416	3,821		1,040	0	1,040	No	Sebud, Very Stony-Ratiopeak, Stony-Bridger, Stony Complex	0.60	867	3	1,700	0.04	
Divide (South) Rest Area	297	3,821		742	0	742	No	Sebud, Very Stony-Ratiopeak, Stony-Bridger, Stony Complex	0.60	618	3	1,700	0.04	
Emigrant Rest Area	420	2,068		630	0	630	No	No Data Available	0.50	630	3	1,700	0.04	
Flowing Wells Rest Area	287	446		716	75	791	No	Floweree Silt Loam	0.50	791	3	1,700	0.04	
Gold Creek (East) Rest Area*	833	8,590		1,250	0	1,250	No	Aguents-Slickens Complex	0.50	1,250	5	3,100	0.07	
Gold Creek (West) Rest Area*	1.007	8.590		1.511	0	1.511	No	Aquents-Slickens Complex	0.50	1.511	6	3.800	0.09	
Greycliff (East) Rest Area	1,142	9,530		1,713	0	1,713	No	Work Clay Loam	0.30	2,855	10	6,600	0.15	A tre
Greycliff (West) Rest Area	1,059	9,530		2,646	0	2,646	No	Work Clay Loam	0.30	4,410	15	10,100	0.23	Ad
Hardin (East) Rest Area	710	7,280		1,064	186	1,250	No	Keiser Silty Clay Loam	0.30	2,084	7	4,500	0.10	
Hardin (West) Rest Area	582	7,280		873	153	1,026	No	Hydro Loam	0.30	1,710	6	3,800	0.09	1
Harlowton Rest Area	613	1,942		920	0	920	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Hathaway (East) Rest Area	448	4,592		671	117	789	No	Yamac Loam	0.50	789	3	1,700	0.04	
Hathaway (West) Rest Area	428	4,592		642	112	755	No	Tinsley-Armells-Yamac Complex or Evanston Loam	0.40	943	4	2,400	0.06	1
Hysham (East) Rest Area	802	5,310	0.15	2,006	0	2,006	No	McRae and Havre Loams	0.30	3,343	12	8,000	0.18	tre
Hysham (West) Rest Area	881	5,310	0.17	2,201	0	2,201	No	McRae and Havre Loams	0.30	3,669	13	8,700	0.20	Nev
Jefferson City (North) Rest Area	703	4,652	0.15	1,054	0	1,054	No	Breeton-Cometcrik Complex	0.80	659	3	1,700	0.04	I
Jefferson City (South) Rest Area	703	4,652	0.15	1,054	0	1,054	No	Breeton-Cometcrik Complex	0.80	659	3	1,700	0.04	I
Lima Rest Area	998	3,515		1,497	0	1,497	No	Bronec Gravelly Loam	0.60	1,248	5	3,100	0.07	
Lost Trail Pass Rest Area	998	3,515		1,497	0	1,497	No	Roman-Priestlake-Lilylake Families	0.50	1,497	5	3,100	0.07	-
Mosby Rest Area	438	577		656	115	771	No	Neldore-Volborg, Wooded, Silty Clays	0.20	1,928	7	4,500	0.10	L
Quartz Flats (East) Rest Area	962	6,329		1,444	0	1,444	No	Not Completed	0.50	1,444	5	3,100	0.07	
Quartz Flats (West) Rest Area	1,020	6,329		1,530	0	1,530	No	Not Completed	0.50	1,530	6	3,800	0.09	
Raynolds Pass Rest Area	425	1,503		1,063	112	1,175	No	Scravo Sandy Loam	0.60	979	4	2,400	0.06	
Roberts Rest Area	236	1,503		354	0	354	No	Maurice-Bearmouth Complex	0.50	354	2	1,000	0.02	_
Sweet Grass Rest Area	387	2,226		580	0	580	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Teton River (North) Rest Area	231	3,671		578	0	578	No	Ryell-Havre Loams	0.50	578	2	1,000	0.02	
Teton River (South) Rest Area	212	3,671		529	0	529	No	Evanston Loam	0.30	882	3	1,700	0.04	
Troy Rest Area	300	2,975		450	0	450	No	Andic Dystrochrepts, Glacial Outwash Terraces	0.50	450	2	1,000	0.02	
Vandalia Rest Area	163	1,340		244	43	286	No	Phillips Loam	0.30	477	2	1,000	0.02	
Wibaux Rest Area	986	3,944	0.25	1,479	0	1,479	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
														-

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

 $^{(1)}$ Based on DEQ-4, Table 8-2 for Nonresidential Facilities.

⁽²⁾(Wastewater Flow / Application Rate) x 0.5

⁽³⁾Based on 3' wide and 100' long trench (Current DEQ standards for maximum trench width and length on dosed systems).

 $^{\rm (4)} {\rm Based}$ on 100' laterals, 3' wide trench, and 4' spacing b/w trenches.

Notes
vanced treatment system installed in 2015, treats both eas and est sites. Effluent pumped to two (2) drainfields located 2,800' SE of East bound facility.
/astewater pumped to eastbound site for treatment. Effluent umped to two (2) drainfields located 2,800' SE of East bound facility.
Drainfield replaced in 2017
lvanced treatment installed in 2016, treats both east and west sites.
Wastewater pumped to eastbound for treatment. Two zone combined drainfield.
Municipal System Municipal System
anced treatment installed in 2012, treats both north and south sites. Two drainfields at north bound site.
Advanced treatment installed in 2012, flow pumped to orthbound for treatment. Two drainfields at north bound site.
vanced treatment installed in 2013, gravity flow to Westbound treatment and drainfield. Drainfield size in westbound calcs.
vanced treatment installed in 2013, treats both east and west ites. Sand mound drainfield. Groundwater dicharge permit # MTX000138.
Advanced treatment installed in 2015. Advanced treatment installed in 2015.
Advanced treatment installed in 2015.
dvanced treatment installed in 2013, pumped to westbound atment and drainfield. Two drainfields at the westbound site. Ivanced treatment installed in 2013, treats both east and west sites. Effluent discharges to two drainfields.
Existing drainfield near capacity or failing.
Municipal System
New Advanced treatmetn system in 2017, combined system eating both east and west sites. Assume a two zone drainfield.
w Advanced treatmetn system in 2017, pumped to east site for treatment and disposal. Assume a two zone drainfield.
Aging system Aging system
Existing drainfield near capacity or failing.
Municipal System
Existing drainfield near capacity or failing. Effluent to Municipal System

2036 Rest Area Wastewater System Design Flow Requirements

4

Restroom Users Per Vehicle = 1.5 Water Usage Per Restroom User (future) = 2.5

Gallons

Water Usage Per Restroom User (sinks and drinking fountains only) = 0.9 Gallons

Facility Name	90th Percentile Daily People, PDP	Average Annual Daily Traffic, AADT	Proportion of Mainline Traffic Stopping at Rest Area, P	Average Daily Domestic Design Flow (gpd)	R.O. Treatment Unit Reject Water (gpd)	Total Wastewater System Design Flow (gpd)	Is a Discharge Permit Required?	NRCS Soil Map Unit Name	Application Rate (gpd/ft ²) ⁽¹⁾	Drainfield Size (ft ²) ⁽²⁾	# of Laterals ⁽³⁾	Total Footprint	t of Drainfield ⁽⁴⁾	
Anonondo Dost Area	1 700	0 702	(WII Niethod)	4.220	0	4 220	No	Cotrack Loom	0.40	5 424	10	ft ²	acres	-
Armington Junction Bost Area	1,730	9,702		4,339	0	4,339	NO	Cetrack Loam	0.40	5,424	19	2 100	0.30	-
Rad Bouto Bost Area	072	2,087		2,101	400	2,101	No		0.80	2,505	12	5,100	0.07	
Bau Route Rest Area	1,141	0,040		2,835	455	5,552	INU	Lonna Silt Loann	0.50	5,552	12	8,000	0.18	Δd
Bearmouth (East) Rest Area	1,108	22,552		2,770	485	3,255	No	Mccabe-Canarway Complex	0.80	2,034	7	4,500	0.10	we
Bearmouth (West) Rest Area	1,501	9,241		3,753	657	4,410	No	Mccabe-Canarway Complex	0.80	2,756	10	6,600	0.15	
Bozeman Rest Area	1.421	46.576		3.552	0	3.552	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Bridger Rest Area	436	5,712		1,090	0	1,090	No	Haverson-Heldt Silty Clay Loam	0.30	1,817	7	4,500	0.10	
Broadus Rest Area	355	4,029		887	0	887	No	Vona-Remmit Fine Sandy Loam	0.50	887	3	1,700	0.04	
Clearwater Junction Rest Area	1,058	3,396		2,645	0	2,645	No	Perma Gravelly Loam	0.80	1,653	6	3,800	0.09	
Columbus (East) Rest Area	2,032	19,170	0.11	5,081	0	5,081	Yes	Lambeth-Yawdim Complex	0.50	5,081	17	11,500	0.26	A
Columbus (West) Rest Area	1,622	19,170	0.08	4,055	0	4,055	No	Lambeth-Yawdim Complex	0.50	4,055	14	9,400	0.22	
Conrad Rest Area	140	4,018	0.03	350	0	350	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Culbertson Rest Area	193	2,695		483	0	483	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Custer (East) Rest Area	565	6,302		1,411	0	1,411	No	Blacksheep, Dry-Cabbart, Dry-Rock Outcrop Complex	0.50	1,411	5	3,100	0.07	
Custer (West) Rest Area	656	6,302		1,639	0	1,639	No	Yegen Sandy Loam	0.60	1,366	5	3,100	0.07	
Dearborn (North) Rest Area	664	4,934		1,659	0	1,659	No	Chinook Sandy Loam	0.50	1,659	6	3,800	0.09	Ad
Dearborn (South) Rest Area	583	4,934		1,458	0	1,458	No	Chinook Sandy Loam	0.60	1,215	5	3,100	0.07	٨dv
Dena Mora (East) Rest Area	2,186	9,433		See Westbound	0			Not Completed	0.50					Ad
Dena Mora (West) Rest Area	1,638	9,433		9,561	0	9,561	Yes	Not Completed	0.80	5,976	20	13,600	0.31	A
Divide (North) Rest Area	539	4,947		1,346	0	1,346	No	Sebud, Very Stony-Ratiopeak, Stony-Bridger, Stony Complex	0.60	1,122	4	2,400	0.06	
Divide (South) Rest Area	384	4,947		960	0	960	No	Sebud, Very Stony-Ratiopeak, Stony-Bridger, Stony Complex	0.60	800	3	1,700	0.04	
Emigrant Rest Area	512	2,523		1,280	0	1,280	No	No Data Available	0.50	1,280	5	3,100	0.07	
Flowing Wells Rest Area	350	544		874	153	1,027	No	Floweree Silt Loam	0.50	1,027	4	2,400	0.06	
Gold Creek (East) Rest Area*	1,037	10,692		2,593	0	2,593	No	Aquents-Slickens Complex	0.50	2,593	9	5,900	0.14	
Gold Creek (West) Rest Area*	1,253	10,692		3,134	0	3,134	No	Aquents-Slickens Complex	0.50	3,134	11	7,300	0.17	
Greycliff (East) Rest Area	1,664	13,886		4,160	0	4,160	No	Work Clay Loam	0.30	6,933	24	16,400	0.38	, tr
Greycliff (West) Rest Area	1,542	13,886		3,856	0	3,856	No	Work Clay Loam	0.30	6,426	22	15,000	0.34	A
Hardin (East) Rest Area	931	9,548		2,326	407	2,734	No	Keiser Silty Clay Loam	0.30	4,556	16	10,800	0.25	
Hardin (West) Rest Area	764	9,548		1,909	334	2,243	No	Hydro Loam	0.30	3,738	13	8,700	0.20	
Harlowton Rest Area	748	2,370		1,870	0	1,870	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Hathaway (East) Rest Area	678	6,959		1,695	297	1,992	No	Yamac Loam	0.50	1,992	7	4,500	0.10	
Hathaway (West) Rest Area	649	6,959		1,622	284	1,906	No	Tinsley-Armells-Yamac Complex or Evanston Loam	0.40	2,382	8	5,200	0.12	
Hysham (East) Rest Area	1,214	8,034	0.15	3,035	0	3,035	No	McRae and Havre Loams	0.30	5,059	17	11,500	0.26	tr
Hysham (West) Rest Area	1,332	8,034	0.17	3,331	0	3,331	No	McRae and Havre Loams	0.30	5,551	19	12,900	0.30	Ne
Jefferson City (North) Rest Area	858	5,676	0.15	2,144	0	2,144	No	Breeton-Cometcrik Complex	0.80	1,340	5	3,100	0.07	
Jefferson City (South) Rest Area	858	5,676	0.15	2,144	0	2,144	No	Breeton-Cometcrik Complex	0.80	1,340	5	3,100	0.07	<u> </u>
Lima Rest Area	1,455	5,122		3,637	0	3,637	No	Bronec Gravelly Loam	0.60	3,030	11	7,300	0.17	C
Lost Trail Pass Rest Area	374	851		936	0	936	No	Roman-Priestlake-Lilylake Families	0.50	936	4	2,400	0.06	Ľ
Mosby Rest Area	625	824		1,563	273	1,836	No	Neldore-Volborg, Wooded, Silty Clays	0.20	4,590	16	10,800	0.25	
Quartz Flats (East) Rest Area	1,174	7,723		2,936	0	2,936	No	Not Completed	0.50	2,936	10	6,600	0.15	
Quartz Flats (West) Rest Area	1,244	7,723		3,111	0	3,111	No	Not Completed	0.50	3,111	11	7,300	0.17	
Raynolds Pass Rest Area	670	2,368		1,676	293	1,969	No	Scravo Sandy Loam	0.60	1,641	6	3,800	0.09	1
Roberts Rest Area	294	0		734	0	734	No	Maurice-Bearmouth Complex	0.50	734	3	1,700	0.04	L
Sweet Grass Rest Area	531	3,057		1,328	0	1,328	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1
Teton River (North) Rest Area	282	4,479		705	0	705	No	Ryell-Havre Loams	0.50	705	3	1,700	0.04	
Teton River (South) Rest Area	258	4,479		646	0	646	No	Evanston Loam	0.30	1,076	4	2,400	0.06	1
Troy Rest Area	366	3,629		915	0	915	No	Andic Dystrochrepts, Glacial Outwash Terraces	0.50	915	4	2,400	0.06	1
Vandalia Rest Area	209	1,721		522	91	613	No	Phillips Loam	0.30	1,022	4	2,400	0.06	1
Wibaux Rest Area	1,523	6,094	0.25	3,809	0	3,809	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<u> </u>
*Note: Gold Creek was a rest area at the	time of data colle	ction; programm	ed to be reconstruc	ted as parking a	rea (UPN 9253 0	101, anticipated l	et date June 201	9).						

⁽¹⁾Based on DEQ-4, Table 8-2 for Nonresidential Facilities. ⁽²⁾(Wastewater Flow / Application Rate) x 0.5

⁽³⁾Based on 3' wide and 100' long trench (Current DEQ standards for maximum trench width and length on dosed systems).

⁽⁴⁾Based on 100' laterals, 3' wide trench, and 4' spacing b/w trenches.

Notes
Advanced treatment system installed in 2015, treats both eas and west sites. Effluent pumped to two (2) drainfields located 2,800' SE of East bound facility.
Wastewater pumped to eastbound site for treatment. Effluent pumped to two (2) drainfields located 2,800' SE of East bound facility.
Municipal System
Drainfield replaced in 2017
Advanced treatment installed in 2016, treats both east and west sites.
Wastewater pumped to eastbound for treatment. Two zone combined drainfield. Municinal System
Municipal System
Advanced treatment installed in 2012, treats both north and south sites. Two drainfields at north bound site.
Advanced treatment installed in 2012, flow pumped to northbound for treatment. Two drainfields at north bound site.
Advanced treatment installed in 2013, gravity flow to Westbound treatment and drainfield. Drainfield size in westbound calcs.
Advanced treatment installed in 2013, treats both east and west sites. Sand mound drainfield. Groundwater dicharge permit # MTX000138.
Advanced treatment installed in 2015. Advanced treatment installed in 2015
Advanced treatment installed in 2015.
Advanced treatment installed in 2013, pumped to westbound
Advanced treatment installed in 2013, treats both east and west sites. Effluent discharges to two drainfields.
Existing drainfield near capacity or failing. Existing drainfield near capacity or failing.
Municipal System
New Advanced treatmeth system in 2017, combined system treating both east and west sites. Assume a two zone drainfield. New Advanced treatmeth system in 2017, pumped to east site for treatment and disposal. Assume a two zone drainfield.
Aging system
Aging system
Existing drainfield near capacity or failing.
Municipal System
Existing drainfield near capacity or failing. Effluent to Municipal System

2056 Rest Area Wastewater System Design Flow Requirements

Restroom Users Per Vehicle = 1.5 Water Usage Per Restroom User (future) = 2.5 Gallons

Water Usage Per Restroom User (sinks and drinking fountains only) = 0.9 Gallons

Facility Name	90th Percentile Daily People, PDP	Average Annual Daily Traffic, AADT	Proportion of Mainline Traffic Stopping at Rest Area, P (WTI Method)	Average Daily Domestic Design Flow (gpd)	R.O. Treatment Unit Reject Water (gpd)	Total Wastewater System Design Flow (gpd)	ls a Discharge Permit Required?	NRCS Soil Map Unit Name	Application Rate (gpd/ft ²) ⁽¹⁾	Drainfield Size (ft ²) ⁽²⁾	# of Laterals ⁽³⁾	Total Footprin	acres	Notes
Anaconda Best Area	2 218	12 397	(5 544	0	5 544	Yes	Cetrack Loam	0.40	6.930	24	16 400	0.38	
Armington Junction Best Area	1.065	2 546		2 661	0	2 661	No	Bivra Gravelly Sandy Loam	0.80	1 663	6	3,800	0.09	
Bad Boute Best Area	1,005	10 261		4 409	772	5 180	Yes	Lonna Silt Loam	0.50	5 180	18	12 200	0.05	
	1,701	10,201		1,105		5,100		Lonna birt Loann	0.50	3,100	10	12,200	0.20	Advanced treatment system installed in 2015, treats both eas and
Bearmouth (East) Rest Area	1,352	13,759		3,380	591	3,971	No	Mccabe-Canarway Complex	0.80	2,482	9	5,900	0.14	west sites. Effluent pumped to two (2) drainfields located 2,800' SE of East bound facility.
Bearmouth (West) Rest Area	1,832	13,759		4,580	801	5,381	Yes	Mccabe-Canarway Complex	0.80	3,363	12	8,000	0.18	Wastewater pumped to eastbound site for treatment. Effluent pumped to two (2) drainfields located 2,800' SE of East bound facility.
Bozeman Rest Area	2,421	79,354		6,052	0	6,052	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Municipal System
Bridger Rest Area	611	8,002		1,527	0	1,527	No	Haverson-Heldt Silty Clay Loam	0.30	2,546	9	5,900	0.14	
Broadus Rest Area	507	5,756		1,267	0	1,267	No	Vona-Remmit Fine Sandy Loam	0.50	1,267	5	3,100	0.07	Drainfield replaced in 2017
Clearwater Junction Rest Area	1,388	4,455		3,471	0	3,471	No	Perma Gravelly Loam	0.80	2,169	8	5,200	0.12	
Columbus (East) Rest Area	3,330	31,413	0.11	8,326	0	8,326	Yes	Lambeth-Yawdim Complex	0.50	8,326	28	19,200	0.44	Advanced treatment installed in 2016, treats both east and west sites.
Columbus (West) Rest Area	2,658	31,413	0.08	6,645	0	6,645	Yes	Lambeth-Yawdim Complex	0.50	6,645	23	15,700	0.36	Wastewater pumped to eastbound for treatment. Two zone combined drainfield.
Conrad Rest Area	171	4,903	0.03	427	0	427	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Municipal System
Culbertson Rest Area	271	3,776		677	0	677	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Municipal System
Custer (East) Rest Area	776	8,657		1,939	0	1,939	No	Blacksheep, Dry-Cabbart, Dry-Rock Outcrop Complex	0.50	1,939	7	4,500	0.10	
Custer (West) Rest Area	900	8,657		2,251	0	2,251	No	Yegen Sandy Loam	0.60	1,876	7	4,500	0.10	
Dearborn (North) Rest Area	810	6,021		2,025	0	2,025	No	Chinook Sandy Loam	0.50	2,025	7	4,500	0.10	Advanced treatment installed in 2012, treats both north and south sites. Two drainfields at north bound site.
Dearborn (South) Rest Area	711	6,021		1,778	0	1,778	No	Chinook Sandy Loam	0.50	1,778	6	3,800	0.09	Advanced treatment installed in 2012, flow pumped to northbound for treatment. Two drainfields at north bound site.
Dena Mora (East) Rest Area	2,775	11,975		See Westbound	0			Not Completed	0.50					Advanced treatment installed in 2013, gravity flow to Westbound treatment and drainfield. Drainfield size in westbound calcs.
Dena Mora (West) Rest Area	2,080	11,975		12,137	0	12,137	Yes	Not Completed	0.80	7,586	26	17,800	0.41	Advanced treatment installed in 2013, treats both east and west sites. Sand mound drainfield. Groundwater dicharge permit # MTX000138.
Divide (North) Rest Area	697	6,406		1,743	0	1,743	No	Sebud, Very Stony-Ratiopeak, Stony-Bridger, Stony Complex	0.60	1,453	5	3,100	0.07	Advanced treatment installed in 2015.
Divide (South) Rest Area	497	6,406		1,243	0	1,243	No	Sebud, Very Stony-Ratiopeak, Stony-Bridger, Stony Complex	0.60	1,036	4	2,400	0.06	Advanced treatment installed in 2015.
Emigrant Rest Area	625	3,079		1,562	0	1,562	No	No Data Available	0.50	1,562	6	3,800	0.09	
Flowing Wells Rest Area	427	664		1,066	187	1,253	No	Floweree Silt Loam	0.50	1,253	5	3,100	0.07	Advanced treatment installed in 2015.
Gold Creek (East) Rest Area*	1,266	13,046		3,164	0	3,164	No	Aquents-Slickens Complex	0.50	3,164	11	7,300	0.17	
Gold Creek (West) Rest Area*	1,529	13,046		3,824	0	3,824	No	Aquents-Slickens Complex	0.50	3,824	13	8,700	0.20	
Greycliff (East) Rest Area	2,424	20,233		6,061	0	6,061	Yes	Work Clay Loam	0.30	10,101	34	23,400	0.54	Advanced treatment installed in 2013, pumped to westbound treatment and drainfield. Two drainfields at the westbound site.
Greycliff (West) Rest Area	2,247	20,233		5,618	0	5,618	Yes	Work Clay Loam	0.30	9,364	32	22,000	0.51	Advanced treatment installed in 2013, treats both east and west sites. Effluent discharges to two drainfields.
Hardin (East) Rest Area	1,205	12,363		3,012	527	3,539	No	Keiser Silty Clay Loam	0.30	5,899	20	13,600	0.31	Existing drainfield near capacity or failing.
Hardin (West) Rest Area	989	12,363		2,472	433	2,904	No	Hydro Loam	0.30	4,840	17	11,500	0.26	Existing drainfield near capacity or failing.
Harlowton Rest Area	913	2,891		2,282	0	2,282	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Municipal System
Hathaway (East) Rest Area	1,028	10,545		2,569	450	3,019	No	Yamac Loam	0.50	3,019	11	7,300	0.17	
Hathaway (West) Rest Area	983	10,545		2,458	430	2,888	No	Tinsley-Armells-Yamac Complex or Evanston Loam	0.40	3,610	13	8,700	0.20	
Hysham (East) Rest Area	1,769	11,706	0.15	4,422	0	4,422	No	McRae and Havre Loams	0.30	7,371	25	17,100	0.39	New Advanced treatmetn system in 2017, combined system treating both east and west sites. Assume a two zone drainfield.
Hysham (West) Rest Area	1,941	11,706	0.17	4,853	0	4,853	No	McRae and Havre Loams	0.30	8,088	27	18,500	0.42	New Advanced treatmetn system in 2017, pumped to east site for treatment and disposal. Assume a two zone drainfield.
Jefferson City (North) Rest Area	1,047	6,926	0.15	2,617	0	2,617	No	Breeton-Cometcrik Complex	0.80	1,635	6	3,800	0.09	Aging system
Jefferson City (South) Rest Area	1,047	6,926	0.15	2,617	0	2,617	No	Breeton-Cometcrik Complex	0.80	1,635	6	3,800	0.09	Aging system
Lima Rest Area	2,119	7,463	ļ	5,299	0	5,299	Yes	Bronec Gravelly Loam	0.60	4,416	15	10,100	0.23	
Lost Trail Pass Rest Area	482	1,095	ļ	1,204	0	1,204	No	Roman-Priestlake-Lilylake Families	0.50	1,204	5	3,100	0.07	
Mosby Rest Area	893	1,178		2,233	391	2,623	No	Neldore-Volborg, Wooded, Silty Clays	0.20	6,559	22	15,000	0.34	Existing drainfield near capacity or failing.
Quartz Flats (East) Rest Area	1,433	9,423	ļ	3,582	0	3,582	No	Not Completed	0.50	3,582	12	8,000	0.18	
Quartz Flats (West) Rest Area	1,518	9,423	ļ	3,796	0	3,796	No	Not Completed	Not Completed 0.50		13	8,700	0.20	
Raynolds Pass Rest Area	1,056	3,732	ļ	2,640	462	3,102	No	0 Scravo Sandy Loam 0.60 2,585 9 5,900 0.14						
Roberts Rest Area	358	0	ļ	896	0	896	No Maurice-Bearmouth Complex 0.50 896 3 1,700 0.04 V/d U/d U/d <td></td>							
Sweet Grass Rest Area	730	4,199		1,824	0	1,824	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Municipal System
Teton River (North) Rest Area	344	5,466	ļ	860	0	860	No	Ryell-Havre Loams	0.50	860	3	1,700	0.04	
Teton River (South) Rest Area	315	5,466	ļ	788	0	788	No	Evanston Loam	0.30	1,313	5	3,100	0.07	
Troy Rest Area	446	4,429	ļ	1,116	0	1,116	No	Andic Dystrochrepts, Glacial Outwash Terraces	0.50	1,116	4	2,400	0.06	
Vandalia Rest Area	265	2,185		663	116	778	No	Phillips Loam	0.30	1,297	5	3,100	0.07	Existing drainfield near capacity or failing.
Wibaux Rest Area	2,354	9,417	0.25	5,886	0	5,886	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Effluent to Municipal System
*Note: Gold Creek was a rest area at the t	time of data colle	ction; programm	ed to be reconstru	cted as parking a	area (UPN 9253 (001, anticipated I	et date June 201	9).						

5

⁽¹⁾Based on DEQ-4, Table 8-2 for Nonresidential Facilities. ⁽²⁾(Wastewater Flow / Application Rate) x 0.5

⁽³⁾Based on 3' wide and 100' long trench (Current DEQ standards for maximum trench width and length on dosed systems).

 $^{\rm (4)} {\rm Based}$ on 100' laterals, 3' wide trench, and 4' spacing b/w trenches.

Rest Area Wastewater System Operation and Maintenance (Based on 2017/2018 field visit observations and conversations with system operators/maintenance personal)

	Ope	ration and Ma	intenance Con	cern		
Facility Name	Frequent Septic Tank Pumping	Septic Tank Concerns	Drainfield Concerns	Other Concerns	Operation and Maintenance Score	Notes
Anaconda Rest Area	No	No	No	No	Good	Pressure dose mounded system installed in 2008, System operating well,
Armington Junction Rest Area	No	No	No	Yes	Good	Replaced RA's lift station pumps approx. 2011; Septic tank pumped annually.
Bad Route Rest Area	No	No	No	No	Good	Septic tanks pumped yearly. Operators switch between old and new drainfields.
Rearmouth (Fast) Rest Area	Ves	No	No	No	Good	No septic tank effluent filter. Reconstructed in 2014. Tanks pumped approx. 4x per year. Maintenance
	103				Good	associated with an advanced treatment and pumping system. Reconstructed in 2014. Tanks pumped approx. 4x per year. Wastewater pumped
Bearmouth (West) Rest Area	Yes	NO N/A	NO N/A	NO N/A	Good	to eastbound for treatment.
Bridger Rest Area	No	No	No	No	Good	Aging system.
Broadus Rest Area	No	No	No	No	Excellent	New drainfield & dose system in 2017.
Clearwater Junction Rest Area	Yes	Yes	No	No	Good	Septic tank is pumped 2x per year, operators observed 3 ft. thick sludge layer plugging the inlet baffle. No effluent filter. Increased use due to FWP's Boat inspection site and RV dump station. Ongoing issues with air flush toilets.
Columbus (East) Rest Area	No	No	No	No	Good	Reconstruction in 2016. Clean effluent filters quarterly. Maintenance associated with an advanced treatment and pumping system.
Columbus (West) Rest Area	No	No	No	No	Good	Reconstruction in 2016. Clean effluent filters quarterly. Treatment and drainfield at eastbound site.
Conrad Rest Area	N/A	N/A	N/A	No	N/A	Municipal System.
Culbertson Rest Area	N/A	N/A	N/A	N/A	N/A	Municipal System.
Custer (East) Rest Area	No	No	Yes	No	Poor	Due to system age and heavy use, drainfield near failing. Thick vegetation over drainfield sign of failure.
Custer (West) Rest Area	No	No	Yes	No	Poor	Due to system age and heavy use, drainfield near failing. Thick vegetation over drainfield sign of failure.
Dearborn (North) Rest Area	Yes	No	No	No	Good	Reconstruction in 2012. Tanks pumped 2-3x per year, effluent filters cleaned monthly. Have replaced pumps in lift station post construction. Maintenance associated with an advanced treatment and pumping system.
Dearborn (South) Rest Area	Yes	No	No	No	Good	Reconstruction in 2012. Tanks pumped 2-3x per year, effluent filters cleaned monthly. Have replaced pumps. Treatment and drainfield at Northbound Site.
Dena Mora (East) Rest Area	No	No	No	Yes	Poor	Reconstructed in 2013. Tanks pumped every 3-4 months. System gravity flows to treatment and drainfield at the westbound site. Historical issues with groundwater/surface water infiltration.
Dena Mora (West) Rest Area	No	Yes	No	Yes	Poor	Reconstructed in 2013. Tanks pumped every 3-4 months. Treatment and drainfield for both east and west sites. Historical issues with groundwater/surface water infiltration and ponding over septic tanks. Maintenance associated with an advanced treatment and pumping system. Additional facility testing due to discharge permit requirements.
Divide (North) Rest Area	No	No	No	No	Good	Reconstruction in 2015. Tanks pump 2x per year. Typical maintenance associated with an advanced treatment and pumping system.
Divide (South) Rest Area	No	No	No	No	Good	Reconstruction in 2015. Tanks pump 2x per year. Typical maintenance associated with an advanced treatment and pumping system.
Emigrant Rest Area	Yes	Yes	No	No	Good	Aging system, dose tank lid handle rusted off.
Flowing Wells Rest Area	No	No	No	Yes	Good	New with reconstruction in 2015. Issues with crust buildup in tank causing pump
Gold Creek (East) Rest Area*	No	No	Yes	No	Poor	RA closed; Aging system; groundwater infiltration, failing drainfield.
Gold Creek (West) Rest Area*	No	No	Yes	No	Poor	RA closed; Aging system, failing drainfield. Reconstruction in 2013. Septic tanks pumped every 3 months. effluent filter
Greycliff (East) Rest Area	No	No	No	No	Good	cleaned monthly. Treatment and drainfield at westbound site.
Greycliff (West) Rest Area	No	No	No	No	Good	Reconstruction in 2013. Septic tanks pumped every 3 months, effluent filter cleaned monthly. Broken mainline to the drainfield repaired. Typical maintenance associated with an advanced treatment and pumping system.
Hardin (East) Rest Area	No	No	Yes	Yes	Poor	Tank pump annually. Appearance of effluent surfacing at the drainfield during busy periods. Drainfield at capacity and near failure.
Hardin (West) Rest Area	No	No	Yes	Yes	Poor	Tank pump annually. Appearance of effluent surfacing at the drainfield during busy periods. Drainfield at capacity and near failure.
Harlowton Rest Area	N/A	N/A	N/A	N/A	N/A	Municipal System.
Hathaway (East) Rest Area	No	No	No	No	Good	Typical O&M issues of an aging system. Tanks pumped 1-2 per year.
Hatnaway (west) Kest Area	NO	NO	NO	NO	Good	New Construction 2017/18. Typical maintenance associated with an advanced
Hysham (East) Kest Area	NU	NU	NO	NO	3000	treatment and pumping system.
Hysham (West) Rest Area	No	No	No	No	Good	maintenance associated with an advanced treatment and pumping system.
Jefferson City (North) Rest Area	No	No	No	No	Good	Pump septic tank 1-2 times per year.
Lima Rest Area	Yes	No	No	Yes	Good	Pump septic tank 1-2 times per year. Pump tanks 3x per year. During power outages, the waste backs up into the building forcing closures. The pump filters and alarms don't work as they should.
Lost Trail Pass Rest Area	No	No	No	Yes	Good	Pump septic tanks every fall. Occasionally have issues with the air flush toilets.
Mosby Rest Area	No	No	No	No	Poor	Effluent surfacing downstream of sand mound, also solids present in manhole
Quartz Flats (East) Rest Area	Yes	No	Yes	No	Good	Septic tanks pumped in spring and fall. Observed tire rutting over the drainfield. Drainfield plugs if system is not pumped out occasionally.
Quartz Flats (West) Rest Area	Yes	No	No	No	Good	Septic tanks pumped in spring and fall. Septic tanks plugging if system is not
Raynolds Pass Rest Area	No	No	No	No	Good	Reconstruction in 2015. Septic tanks pumped 2-3 times per year. Effluent filters cleaned monthly. Typical maintenance associated with an advanced treatment and pumping system.
Roberts Rest Area	No	No	Yes	No	Good	Temporary shut down of rest area due to saturation of drainfield caused by irritation ditch behind the rest area.
Sweet Grass Rest Area	N/A	N/A	N/A	N/A	N/A	Municipal System.
Teton River (North) Rest Area	No	No	Yes	No	Poor	Septic tank pumped annually. Issues with dose system not dosing both sides of the drainfield. Drainfield freezes in the winter.
Teton River (South) Rest Area	No	No	Yes	No	Poor	Septic tank pumped annually. Issues with dose system not dosing both sides of the drainfield. Drainfield freezes in the winter.
Troy Rest Area	No	No	No	No	Good	Septic tanks pumped and filter cleaned in spring and fall. Line between septic tank and lift station repaired in 2017. Drainfield is failing,
Vandalia Rest Area	No	Yes	Yes	Yes	Poor	effluent observed a the surface. Tanks rarely pumped in past, in 2017 tank maintenance revised to annual pump/cleaning.

 Wibiaux Kest Area
 Yes
 N/A
 N/A
 N/A
 Guou
 Corpus can perform any performance performance

Rest Area Wastewater System Site Constraints

Facility Name	Approximate ROW (acres)	50% of ROW Area (acres)	Drainfield Area/50% of ROW Area (%)	Site Constraint Score	Comments for Site Specific Condition
Anaconda Rest Area	22.15	11.08	3.40	Excellent	Shallow groundwater
Armington Junction Rest Area	2.56	1.28	6.82	Good	
Bad Route Rest Area	16.41	8.21	3.41	Excellent	
Bearmouth (East) Rest Area	5.01	2.51	5.41	Poor	Majority of site in the floodplain, combined drainfield located offsite
Bearmouth (West) Rest Area	4.47	2.24	N/A	Poor	Majority of site in the floodplain, combined drainfield located offsite.
Bozeman Rest Area	N/A	N/A	N/A	N/A	
Bridger Rest Area	6.33	3.17	4.28	Excellent	
Broadus Rest Area	12.32	6.16	1.16	Excellent	
Clearwater Junction Rest Area	17.49	8.75	1.37	Excellent	
Columbus (East) Rest Area	15.00	7.50	5.88	Poor	Topographical site limitations, combined drainfield.
Columbus (West) Rest Area	13.59	6.80	N/A	Poor	Topographical site limitations, drainfield located at eastbound site.
Conrad Rest Area	N/A	N/A	N/A	N/A	
Culbertson Rest Area	N/A	N/A	N/A	N/A	
Custer (East) Rest Area	34.04	17.02	0.61	Excellent	Topographical site limitations.
Custer (West) Rest Area	29.78	14.89	0.69	Excellent	Topographical site limitations.
Dearborn (North) Rest Area	2.16	1.08	9.57	Good	Combined drainfield.
Dearborn (South) Rest Area	3.10	1.55	N/A	Poor	Topographical site limitations, drainfield located at northbound site.
Dena Mora (East) Rest Area	3.90	1.95	N/A	Poor	Topographical and floodplain site limitations, drainfield at westbound site.
Dena Mora (West) Rest Area	9.00	4.50	9.08	Good	Topographical site limitations, combined drainfield.
Divide (North) Rest Area	14.27	7.14	1.00	Excellent	
Divide (South) Rest Area	13.80	6.90	0.80	Excellent	
Emigrant Rest Area	2.50	1.25	6.98	Poor	Floodplain site limitations
Flowing Wells Rest Area	2.25	1.13	6.33	Good	
Gold Creek (East) Rest Area*	9.70	4.85	3.46	Poor	Topographical and floodplain site limitations
Gold Creek (West) Rest Area*	3.20	1.60	12.48	Poor	Topographical and floodplain site limitations
Greycliff (East) Rest Area	4.49	2.25	N/A	Poor	Topograpical site limitations, drainfield located at the westbound site.
Greycliff (West) Rest Area	9.12	4.56	11.08	Fair	Combined drainfield.
Hardin (East) Rest Area	15.08	7.54	4.14	Excellent	
Hardin (West) Rest Area	18.18	9.09	2.90	Excellent	
Harlowton Rest Area	N/A	N/A	N/A	N/A	
Hathaway (East) Rest Area	20.42	10.21	1.64	Excellent	
Hathaway (West) Rest Area	46.46	23.23	0.86	Excellent	
Hysham (East) Rest Area	4.19	2.10	18.74	Poor	Topographical site limitations, combined drainfield.
Hysham (West) Rest Area	3.17	1.59	N/A	Poor	Topograpical site limitations, drainfield located at the eastbound site.
Jefferson City (North) Rest Area	7.94	3.97	2.20	Excellent	
Jefferson City (South) Rest Area	5.32	2.66	3.28	Excellent	
Lima Rest Area	11.48	5.74	4.04	Excellent	
Lost Trail Rest Area	3.19	1.60	4.46	Excellent	
Mosby Rest Area	6.94	3.47	9.92	Poor	Topograpical site limitations
Quartz Flats (East) Rest Area	3.50	1.75	10.49	Fair	
Quartz Flats (West) Rest Area	3.17	1.59	12.60	Fair	Topograpical site limitations
Raynolds Pass Rest Area	9.65	4.83	2.81	Excellent	
Roberts Rest Area	4.17	2.09	1.87	Poor	Site limited by floodplain & irrigation ditch
Sweet Grass Rest Area	N/A	N/A	N/A	N/A	
Teton River (North) Rest Area	13.38	6.69	0.58	Excellent	
Teton River (South) Rest Area	14.70	7.35	0.97	Excellent	
Troy Rest Area	7.91	3.96	1.39	Excellent	
Vandalia Rest Area	9.49	4.75	1.50	Excellent	
Wibaux Rest Area	N/A	N/A	N/A	N/A	

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

	Veenef	Year of		
	Year of	Treatment	Wastewater	
Facility Name	Treatment	System	System Remaining	
	System	Rehabilitation or	Sorvico Lifo ¹	
	Construction	Poplacomont	Service Life	
Anaconda Rest Area	2008	-	10	
Armington Junction Rest Area	1002	2007	9	
Rad Pouto Post Area	1992	2007	1/	
Boarmouth (East) Bost Area	2014	2012	14	
Bearmouth (Most) Post Area	2014	-	10	
Bearmouth (West) Rest Area	2014	-	10	
Bozeman Rest Area	N/A	N/A	N/A	
Bridger Rest Area	1967	1989	-9	
Broadus Rest Area	1997	2012	14	
Clearwater Junction Rest Area	1997	-	-1	
Columbus (East) Rest Area	1970	2016	18	
Columbus (West) Rest Area	1970	2016	18	
Conrad Rest Area	N/A	N/A	N/A	
Culbertson Rest Area	N/A	N/A	N/A	
Custer (East) Rest Area	1975	-	-23	
Custer (West) Rest Area	1975	-	-23	
Dearborn (North) Rest Area	2012	-	14	
Dearborn (South) Rest Area	2012	-	14	
Dena Mora (East) Rest Area	2003	2013	15	
Dena Mora (West) Rest Area	2003	2013	15	
Divide (North) Rest Area	1975	2015	17	
Divide (South) Rest Area	1975	2015	17	
Emigrant Rest Area	1987	-	-11	
Flowing Wells Rest Area	1960	2015	17	
Gold Creek (East) Rest Area*	1973	-	-25	
Gold Creek (West) Rest Area*	1973	-	-25	
Grevcliff (East) Rest Area	2013	-	15	
Grevcliff (West) Rest Area	2013	-	15	
Hardin (East) Rest Area	1974	2011	13	
Hardin (West) Rest Area	1974	2011	13	
Harlowton Best Area	<u>1</u> 5/4 Ν/Δ	Ν/Δ	N/A	
Hathaway (Fast) Rest Area	1972	1997	-1	
Hathaway (West) Rest Area	1972	1997	-1	
Hysham (Fast) Rest Area	1972	2017	10	
Hysham (Most) Post Area	1907	2017	19	
Inforson City (North) Post Area	1907	2017	25	
Jefferson City (South) Rest Area	1973	-	-25	
Lima Bast Area	1975	-	-25	
Linia Rest Area	-	2011	13	
LOST Trail Pass Rest Area	2001	-	3	
NUSBY RESLATED	2005	2012	14	
Quartz Flats (East) Kest Area	1988	-	-10	
Quartz Flats (West) Kest Area	1988	-	-10	
kaynolds Pass Kest Area	-	2015	1/	
Koberts Kest Area	1968	-	-30	
Sweet Grass Rest Area	N/A	N/A	N/A	
Teton River (North) Rest Area	1983	2013	15	
Teton River (South) Rest Area	1983	2013	15	
Troy Rest Area	1990	-	-8	
Vandalia Rest Area	1966	1993	-5	
Wibaux Rest Area	N/A	N/A	N/A	

Rest Area Wastewater System Remaining Service Life

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed

as parking area (UPN 9253 001, anticipated let date June 2019).

1) Based on a 20-year service life from the year 2018.

Alphabetical			Lowest to Highest Score		
Rest Area Name	WW System Health Index Score		Rest Area Name	WW System Health Index Score	
1 Anaconda Rest Area	12.17	1	Gold Creek (West) Rest Area*	3.33	
2 Armington Junction Rest Area	13.17	2	Gold Creek (East) Rest Area*	4.67	
3 Bad Route Rest Area	13.83	3	Roberts Rest Area	5.83	
4 Bearmouth (East) Rest Area	12.50	4	Custer (East) Rest Area	6.33	
5 Bearmouth (West) Rest Area	12.50	5	Custer (West) Rest Area	6.33	
6 Bozeman Rest Area	24.00	6	Quartz Flats (East) Rest Area	6.83	
7 Bridger Rest Area	12.17	7	Quartz Flats (West) Rest Area	6.83	
8 Broadus Rest Area	18.17	8	Mosby Rest Area	8.67	
9 Clearwater Junction Rest Area	10.17	9	Jefferson City (North) Rest Area	8.83	
10 Columbus (East) Rest Area	12.50	10	Jefferson City (South) Rest Area	8.83	
11 Columbus (West) Rest Area	12.50	11	Emigrant Rest Area	9.17	
12 Conrad Rest Area	24.00	12	Clearwater Junction Rest Area	10.17	
13 Culbertson Rest Area	24.00	13	Hardin (East) Rest Area	10.33	
14 Custer (East) Rest Area	6.33	14	Hardin (West) Rest Area	10.33	
15 Custer (West) Rest Area	6.33	15	Greycliff (East) Rest Area	10.50	
16 Dearborn (North) Rest Area	12.50	16	Greycliff (West) Rest Area	10.50	
17 Dearborn (South) Rest Area	13.50	17	Vandalia Rest Area	11.67	
18 Dena Mora (East) Rest Area	12.00	18	Dena Mora (East) Rest Area	12.00	
19 Dena Mora (West) Rest Area	13.00	19	Anaconda Rest Area	12.17	
20 Divide (North) Rest Area	21.50	20	Bridger Rest Area	12.17	
21 Divide (South) Rest Area	21.50	21	Hathaway (East) Rest Area	12.17	
22 Emigrant Rest Area	9.17	22	Hathaway (West) Rest Area	12.17	
23 Flowing Wells Rest Area	18.50	23	Bearmouth (East) Rest Area	12.50	
24 Gold Creek (East) Rest Area*	4.67	24	Bearmouth (West) Rest Area	12.50	
25 Gold Creek (West) Rest Area*	3.33	25	Columbus (East) Rest Area	12.50	
26 Greycliff (East) Rest Area	10.50	26	Columbus (West) Rest Area	12.50	
27 Greycliff (West) Rest Area	10.50	27	Dearborn (North) Rest Area	12.50	
28 Hardin (East) Rest Area	10.33	28	Dena Mora (West) Rest Area	13.00	
29 Hardin (West) Rest Area	10.33	29	Armington Junction Rest Area	13.17	
30 Harlowton Rest Area	24.00	30	Dearborn (South) Rest Area	13.50	
31 Hathaway (East) Rest Area	12.17	31	Bad Route Rest Area	13.83	
32 Hathaway (West) Rest Area	12.17	32	Lost Trail Pass Rest Area	14.17	
33 Hysham (East) Rest Area	14.50	33	Troy Rest Area	14.17	
34 Hysham (West) Rest Area	14.50	34	Hysham (East) Rest Area	14.50	
35 Jefferson City (North) Rest Area	8.83	35	Hysham (West) Rest Area	14.50	
36 Jefferson City (South) Rest Area	8.83	36	Lima Rest Area	15.50	
37 Lima Rest Area	15.50	3/	Raynolds Pass Rest Area	15.50	
38 Lost Irall Pass Rest Area	14.17	30	Teton River (North) Rest Area	15.67	
39 Wosby Rest Area	8.67	39	Prooduc Post Area	15.67	
40 Quartz Flats (East) Rest Area	6.83	40		18.17	
41 Quartz Flats (West) Rest Area	0.83	41	Flowing Wells Rest Area	18.50	
42 Rayholds Pass Rest Area	15.50	42	Divide (North) Rest Area	21.50	
43 KODERTS KEST Area	5.83	43	Divide (South) Kest Area	21.50	
44 Sweet Grass Kest Area	24.00	44	Bozeman Kest Area	24.00	
45 Teton River (North) Rest Area	15.67	45	Culhartean Past Area	24.00	
40 Teton River (South) Rest Area	15.6/	46	Lupertson Kest Area	24.00	
47 ITOY RESLATEd	11 67	47	Finantowion Kest Area	24.00	
40 Wiboux Post Area	24.00	48	Sweet Grass Rest Area	24.00	
45 WIDAUX NESL AIEa	24.00	49	WIDdux NESt AIEd	24.00	

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).
Facility Name	Existing System Design Flow Source	Estimated Existing System Design Flow ⁽¹⁾ (gpd)	Existing System Comments	Application Rate (gpd/ft ²) ⁽²⁾	# of Laterals ⁽³⁾	Length of Laterals (ft)	2016 Estimated Design Flow (gpd)	2032 Estimated Design Flow (gpd)	2056 Estimated Design Flow (gpd)	Current Health Index Rating	Health Index rating Based on Estimated Design Flow
1 Anaconda Rest Area	Approximated from Aerial Imagery	3,000	Sand mound is approx. 7,500 sf (150'x50') Assume a load rate of 0.4 gpd/sf	0.40			2,037	4,339	5,544	Fair	Fair
2 Armington Junction Rest Area	Estimated from 1990 Record Drawings	2,280	No record of drainfield improvements in 2007.	0.80	10	95	1,073	2,181	2,661	Good	Good
3 Bad Route Rest Area	Estimated from 1998 Record Drawings	2,700	Laterals count and length estimated (scaled) from 1998 landscape record drawings.	0.50	18	100	1,302	3,352	5,180	Fair	Fair
4 Bearmouth (East) Rest Area	MDEQ Approval, 2012	2,250	System approved for 4,500 gpd for both east & west bound sites.	0.80		1900	2,508	3,255	3,971	Poor	Poor
5 Bearmouth (West) Rest Area	MDEQ Approval, 2012	2,250	System approved for 4,500 gpd for both east & west bound sites.	0.80		1920	3,399	4,410	5,381	Poor	Poor
6 Bozeman Rest Area	N/A	N/A									
7 Bridger Rest Area	Estimated from 1987 Record Drawings	1,134	Two zones drainfield with 14-45' laterals each zone.	0.30	28	45	467	1,090	1,527	Good	Good
8 Broadus Rest Area	2017 Powder County Septic Permit	3,000		0.50			366	887	1,267	Excellent	Excellent
9 Clearwater Junction Rest Area	Estimated from 1997 Record Drawings	1,526	Drawings show 190 meters of 4" perforated PVC pipe; 3 laterals at 63.3 meters each	0.80	3	212	1,210	2,645	3,471	Fair	Fair
10 Columbus (East) Rest Area	Final Consultant Activity 175	1,693	System approved for 3,386 gpd for both east & west bound sites.	0.50			3,101	5,081	8,326	Poor	Poor
11 Columbus (West) Rest Area	Final Consultant Activity 175	1,693	System approved for 3,386 gpd for both east & west bound sites.	0.50			2,475	4,055	6,645	Poor	Poor
12 Conrad Rest Area	N/A	N/A									
14 Custer (East) Rest Area	N/A Estimated from 1973 Record Drawings	1,350	Quantity on record drawings list 900 lf of 4" draintile and estimated design perolation rate of 10 min/in. (actual 4.25 min/in).	0.50		900	617	1,411	1,939	Fair	Fair
15 Custer (West) Rest Area	Estimated from 1973 Record Drawings	1,620	Quantity on record drawings list 900 lf of 4" draintile and estimated design perolation rate of 10 min/in. (actual 4.25 min/in).	0.60		900	716	1,639	2,251	Fair	Fair
16 Dearborn (North) Rest Area	Lewis & Clark County Septic Permit (2011)	1,435	System approved for 2,870 gpd for both north & south bound sites.	0.50			1,360	1,659	2,025	Fair	Fair
17 Dearborn (South) Rest Area	Lewis & Clark County Septic Permit (2011)	1,435	System approved for 2,870 gpd for both north & south bound sites.	0.50			1,195	1,458	1,778	Fair	Fair
18 Dena Mora (East) Rest Area	Estimated from 2013 Record Drawings		See west bound for drainfield calcs. (combined drainfield).	0.80						Good	Good
19 Dena Mora (West) Rest Area	Estimated from 2013 Record Drawings	10,200	Sand mound having 5 zones w/17-50' laterals each zone.	0.80	85	50	7,532	9,561	12,137	Good	Good
20 Divide (North) Rest Area	Estimated from 2016 Record Drawings	2,736	Two zones drainfield with 4-95' laterals each zone. Assume 50% drainfield reduction due to Level II system.	0.60	8	95	1,040	1,346	1,743	Excellent	Excellent
21 Divide (South) Rest Area	Estimated from 2016 Record Drawings	2,736	Two zones drainfield with 4-95' laterals each zone. Assume 50% drainfield reduction due to Level II system.	0.60	8	95	742	960	1,243	Excellent	Excellent
22 Emigrant Rest Area	Estimated from 1988 Record Drawings	1,341	Quantity on record drawings list 894' of 4"PVC perforated pipe.	0.50		894	630	1,280	1,562	Good	Good
23 Flowing Wells Rest Area	Final Consultant Activity 175	1,175	Two zones system with 5-96' laterals each zone.	0.50	5	96	791	1,027	1,253	Good	Good
24 Gold Creek (East) Rest Area*	Estimated from 1973 Record Drawings	2,145	Quantity on record drawings list 1,430 lf of 4" draintile.	0.50		1430	1,250	2,593	3,164	Fair	Fair
25 Gold Creek (West) Rest Area*	Estimated from 1973 Record Drawings	2,145	Quantity on record drawings list 1,430 lf of 4" draintile.	0.50		1430	1,511	3,134	3,824	Fair	Fair
26 Greycliff (East) Rest Area	Sweetgrass County Septic Permit, 2013	1,382	System approved for 2,764 gpd for both east & west bound sites.	0.30			1,713	4,160	6,061	Poor	Poor
27 Greycliff (West) Rest Area	Sweetgrass County Septic Permit, 2013	1,382	System approved for 2,764 gpd for both east & west bound sites.	0.30			2,646	3,856	5,618	Poor	Poor
28 Hardin (East) Rest Area	Estimated from 1974 Record Drawings	1,601	Quantity on record drawings list 1,779 lf of 4" draintile and percolation rate 30 min/in. No record of system updates in 2011.	0.30		1779	1,250	2,734	3,539	Fair	Fair

29 Hardin (West) Rest Area	Estimated from 1974 Record Drawings	1,363	Quantity on record drawings list 1,514 lf of 4" draintile and percolation rate 30 min/in. No record of system updates in 2011.	0.30		1514	1,026	2,243	2,904	Fair	Fair
30 Harlowton Rest Area	N/A	N/A									
31 Hathaway (East) Rest Area	Estimated from 1998 Record Drawings	2,850	1998 improvements added 9-100' laterals to the system, for a system total of 19-100' laterals.	0.50	19	100	789	1,992	3,019	Good	Good
32 Hathaway (West) Rest Area	Estimated from 1998 Record Drawings	2,160	1998 improvements added 9-100' laterals to the system, for a system total of 18-100' laterals.	0.40	18	100	755	1,906	2,888	Good	Good
33 Hysham (East) Rest Area	Final Consultant Activity 175	2,890	Assumes a combined drainfield with zones for each site. No information on newly constructed system.	0.30			2,006	3,035	4,422	Fair	Fair
34 Hysham (West) Rest Area	Final Consultant Activity 175	2,890	Assumes a combined drainfield with zones for each site. No information on newly constructed system.	0.30			2,201	3,331	4,853	Fair	Fair
35 Jefferson City (North) Rest Area	Estimated from 1972 Design Drawings	1,200	Laterals estimated based on facility site record drawing, 5-100' laterals.	0.80	5	100	1,054	2,144	2,617	Fair	Fair
36 Jefferson City (South) Rest Area	Estimated from 1998 Record Drawings	1,200	Laterals estimated based on facility site record drawing, 5- 100' laterals.	0.80	5	100	1,054	2,144	2,617	Fair	Fair
37 Lima Rest Area	Record RA Calculation Packet	3,156		0.60			1,497	3,637	5,299	Fair	Fair
38 Lost Trail Pass Rest Area	Estimated from 1997 Record Drawings	2,100		0.50	14	100	1,497	936	1,204	Excellent	Excellent
39 Mosby Rest Area	Estimated from 2007 Record Drawings	1,478	Sand mound system with 6-36' laterals; Sand mound is approx. 1,848 sf. Assume a load rate of 0.8 gpd/sf	0.20	6	36	771	1,836	2,623	Fair	Fair
40 Quartz Flats (East) Rest Area	Estimated from 1989 Record Drawings	2,100	Two zones drainfield with 7-100' laterals each zone	0.50	14	100	1,444	2,936	3,582	Fair	Fair
41 Quartz Flats (West) Rest Area	Estimated from 1989 Record Drawings	2,100	Two zones drainfield with 7-100' laterals each zone	0.50	14	100	1,530	3,111	3,796	Fair	Fair
42 Raynolds Pass Rest Area	WGM 0&M Manual (2016)	925		0.60	7	76	1,175	1,969	3,102	Poor	Poor
43 Roberts Rest Area	Estimated from 1968 Record Drawings	488	Lateral length scaled off record drawings.	0.50	5	65	354	734	896	Fair	Fair
44 Sweet Grass Rest Area	N/A	N/A									
45 Teton River (North) Rest Area	Estimated from 1975 Record Drawings	1,500	New septic tanks in 2013; no improvements to the drainfield.	0.50	10	100	578	705	860	Excellent	Excellent
46 Teton River (South) Rest Area	Estimated from 1975 Record Drawings	1,080	New septic tanks in 2013; no improvements to the drainfield.	0.30	12	100	529	646	788	Excellent	Excellent
47 Troy Rest Area	Estimated from 1991 Record Drawings	1,350	Two zones drainfield with 5-90' laterals each zone.	0.50	10	90	450	915	1,116	Excellent	Excellent
48 Vandalia Rest Area	Estimated from 1994 Record Drawings	1,260	Two zones drainfield with 7-100' laterals each zone.	0.30	14	100	286	613	778	Excellent	Excellent
49 Wibaux Rest Area	N/A	N/A									

assumed NRCS application rate, and 3' wide lateral trench width.

Attachment 9

ENVIRONMENTAL CONSIDERATIONS

Environmental Review				
Location:	Alberton East PA			
Date:	5/15/2018			
Inspector Name:	Lauren Templeton			
Element	Field Observation			
Surface Water	The Clark Fork River is located directly south/east of the parking area.			
Groundwater	Montana Bureau of Mines and Geology show two wells within the vicinity of the parking area. Both wells are about 350 feet southwest of the parking area. The first well, closer to the interstate, has a total well depth of 370 feet and a static water level of 70 feet. The second well, closer to the river, has a total well depth of 370 feet. There is no information available for the static water level.			
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.			
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database does not map any wetlands within the parking area. There is a potential fringe wetland south/east of the parking area along the Clark Fork River. During the site visit, there appeared to be wetland vegetation, but the area was flooded and it could not be identified.			
Floodplains	The Federal Emergency Management Agency has not mapped floodplains at the parking area location, but a Zone A, special flood hazard area, has been designated south/east of the parking area.			

	Environmental Review
Location:	Alberton West PA
Date:	5/15/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	The Clark Fork River is located south of the parking area on the south side of the interstate. West Mountain Creek flows west of the parking area into the Clark Fork River.
Groundwater	Montana Bureau of Mines and Geology show four wells within the vicinity of the parking area. The first well is located at the parking area and has a total well depth of 48 feet, and no information was provided for the static water level. The second well is located about 120 feet south of the parking area and has a total well depth of 142 feet, with a static water level of 95 feet. The third well is about 300 feet northeast of the parking area and has a total well depth of 63 feet. The fourth well is located about 300 feet northwest of the parking area and has a total well depth of 700 feet and a static water level of 96 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database has mapped a palustrine scrub-shrub wetland west of the parking area along West Mountain Creek. No other wetlands were observed during the site visit.
Floodplains	The Federal Emergency Management Agency has not mapped floodplains at the parking area location.

Environmental Review				
Location:	Anaconda RA			
Date:	6/1/2018			
Inspector Name:	Templeton			
Element	Field Observation			
Surface Water	Silver Bow Creek is located just east of the rest area. A small pond is located at the northern rest area limits near Highway 1. No other surface waters were identified during the site visit.			
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the rest area. The well is located at the rest area and has a total well depth of 167 feet, with a static water level of 15 feet.			
Irrigation	Aerial imagery shows a potential irrigation ditch northeast of the rest area, but the ditch was not found during the site visit. It is likely no longer in use. No other irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.			
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows no mapped wetlands within the vicinity of the rest area. A small, shrub-scrub/emergent, fringe wetland was identified along the small pond. A potential shrub-scrub wetland was also noted along Silver Bow Creek. No other wetlands were identified during the site visit.			
Floodplains	The Federal Emergency Management Agency designated the rest area location as Zone C, areas of minimal flooding.			

Environmental Review				
Location:	Armington RA			
Date:	4/26/2018			
Inspector Name:	Templeton			
Element	Field Observation			
Surface Water	Belt Creek is located approximately 1,500 feet west of the rest area. No other surface waters were identified during the site visit.			
Groundwater	Montana Bureau of Mines and Geology show four wells within the vicinity of the rest area. The first well is located about 750 feet south of the rest area and has a total well depth of 416 feet, with a static water level of 390 feet. The second well is located about 900 feet southwest of the rest area and has a total well depth of 103 feet, with a static water level of 26.9 feet. The third well is located about 750 feet southwest of the rest area and has a total well depth of 545 feet, with a static water level of 295 feet. The fourth well is located about 1,200 feet west of the rest area and has a total well depth of 74 feet, with a static water level of 15 feet.			
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.			
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database has mapped a palustrine emergent wetland west of the rest area. A second palustrine emergent wetland was mapped 400 feet to the north of the rest area. During the site visit, a palustrine shrub-scrub wetland was identified east of the rest area along the railroad tracks.			
Floodplains	Federal Emergency Management Agency flood maps show the rest area is located in an area designated Zone X, area of minimal flood hazard.			

Environmental Review				
Location:	Bad Route RA			
Date:	10/25/2017			
Inspector Name:	Peterson			
Element	Field Observation			
Surface Water	Other than an irrigation canal to the south of the rest area, a very small ephemeral drainage was noted to the west of the rest area. The ephemeral drainage likely provides a hydrologic source for the emergent wetland west of the site.			
Groundwater	Montana Bureau of Mines and Geology show one groundwater well at the rest area. The well depth is 1,127 feet, with a static water level of -69.3 feet.			
Irrigation	A large irrigation canal runs along the south side of the rest area. The canal is called the Glendive Main Canal, and it is approximately 25 to 30 feet wide. No other irrigation structures were noted.			
Wetlands	US Fish and Wildlife Service National Wetland Inventory database has mapped a large palustrine emergent wetland along the west side of the rest area. During the site visit, wetland vegetation was noted in a depressional basin to the west of the rest area site. No other wetlands were identified.			
Floodplains	No floodplains have been designated within or near the rest area. Federal Emergency Management Agency shows the area as an "undeveloped area." Bad Route Creek is located approximately 0.15 mile west of the rest area; however, a floodplain has not been mapped for this creek.			

	Environmental Review
Location:	Barretts PA
Date:	5/31/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	The Beaverhead River is located east of the parking area along the east side of the interstate. No other surface waters were identified during the site visit or database review.
Groundwater	The Montana Bureau of Mines and Geology shows two wells within the vicinity of the parking area. The first well is 75 feet southeast of the parking area and has a total well depth of 49 feet with a static water level of 12 feet. The second well is located about 600 feet southeast of the parking area, across the interstate, and has a total well depth of 50 feet and a static water level of 10 feet.
Irrigation	The Smith Rebich Ditch is located 300 feet northeast of the parking area off-ramp. No other irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory has not mapped any wetlands in the vicinity of the parking area. During the site visit, a potential forested shrub-scrub wetland was identified north of the parking area. The area was fenced off, but based off of aerials it appears to be a historic channel of the Beaverhead River. No other wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review				
Location:	Bearmouth East RA			
Date:	6/1/2018			
Inspector Name:	Templeton			
Element	Field Observation			
Surface Water	The Clark Fork River is located north of the rest area on the north side of the interstate. Antelope Creek is located at the northeastern limits where it flows north under the rest area on-ramp and interstate, and into the Clark Fork River. No other surface waters were identified during the site visit of database review.			
Groundwater	The Montana Bureau of Mines and Geology shows two wells in the vicinity of the rest area. The first well is adjacent to the rest area on-ramp and has a total well depth of 47 feet, with a static water level of 7 feet. The second well is located about 450 feet north of the rest area and has a total well depth of 55 feet with a static water level of 8.46 feet.			
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.			
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows multiple wetlands in the vicinity of the rest area. A palustrine emergent wetland is located east/south of the rest area, connecting with a palustrine scrub-shrub wetland located directly southwest of the rest area parking lot. A palustrine emergent wetland is about 100 feet south of the rest area off-ramp. These wetlands are primarily associated with an old channel of the Clark Fork River and Antelope Creek. No other wetlands were identified during the site visit.			
Floodplains	The Federal Emergency Management Agency has designated the location of the rest area as Zone A, a special flood hazard area without base flood elevation.			

Environmental Review				
Location:	Bearmouth West RA			
Date:	6/1/2018			
Inspector Name:	Templeton			
Element	Field Observation			
Surface Water	The Clark Fork River and a number of high flow channels are located directly north/east/west of the rest area. A large pond is located south of the rest area building. No other surface waters were identified during the site visit and database review.			
Groundwater	The Montana Bureau of Mines and Geology shows two wells in the vicinity of the rest area. The first well is located in the center of the rest area parking lot and has a total well depth of 55 feet, with a static water level of 10 feet. The second well is located about 250 feet north of the rest area off- ramp and has a total well depth of 55 feet with a static water level of 8.46 feet.			
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.			
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows multiple wetlands in the vicinity of the rest area. Four palustrine scrub-shrub wetlands and one palustrine emergent wetland are located east of the rest area parking lot and south of the off-ramp. Two palustrine scrub-shrub wetlands and one palustrine emergent wetland are located northeast of the rest area parking lot and north of the off-ramp. A large palustrine emergent wetland is located north/northwest of the rest area. These wetlands are associated with the Clark Fork River and its historic channels.			
Floodplains	The Federal Emergency Management Agency has designated the location of the rest area as Zone A, a special flood hazard area without base flood elevation.			

Environmental Review				
Location:	Bozeman RA			
Date:	10/19/2017			
Inspector Name:	Peterson			
Element	Field Observation			
Surface Water	No surface waters were identified during the database review or field review.			
Groundwater	Montana Bureau of Mines and Geology show two wells on the rest area property. The first well has a depth of 100 feet and a static water depth of 15 feet. The second well has a depth of 8.9 feet and a static water depth of 4.33 feet.			
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area.			
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within or adjacent to the rest area. No wetlands were identified during the field review. The rest area is located entirely within upland vegetation with no identified hydrology throughout the entire site.			
Floodplains	The Federal Emergency Management Agency database indicates flood hazard areas have not been mapped for the area where the rest area is located. The nearest mapped floodplain is along the East Gallatin River, which is located north of the rest area on the northern side of Interstate 90.			

	Environmental Review
Location:	Bridger RA
Date:	10/31/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	The only surface water identified within the rest area is Sand Creek, which crosses through the northwest corner of the site. Sand Creek flows northeast into the Clarks Fork Yellowstone River.
Groundwater	Montana Bureau of Mines and Geology show three wells within the rest area limits. The first well has a depth of 50 feet. No static water level is indicated. The second well has a depth of 48 feet with a static water level of 20 feet. The third well has a total well depth of 72.5 feet and a static water level of 28.22 feet.
Irrigation	Two small irrigation ditches were identified within and directly adjacent to the rest area during the field visit. One ditch is found directly east of the rest area, and the second ditch is found directly south of the rest area south entrance. The ditches are unnamed and appear to pull irrigation flows off of the Fromberg Canal.
Wetlands	During the field visit, an emergent wetland was identified within Sand Creek and along the fringes of both irrigation ditches identified in the rest area vicinity. U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within the rest area or immediate vicinity.
Flood plains	Federal Emergency Management Agency Flood Maps show the northwestern half of the rest area as being within the 100-year floodplain for Sand Creek. The 100-year floodplain of the Clarks Fork Yellowstone River is located just to the east / northeast of the rest area.

Environmental Review	
Location:	Broadus RA
Date:	10/25/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	No surface waters were identified within the immediate vicinity of the rest area during the database search and the field review. The only surface water identified was Swede Creek, located on the east side of Highway 212 and approximately 320 feet east of the rest area.
Groundwater	Montana Bureau of Mines and Geology show one groundwater well at the rest area. There are two reported well recordings for the well location. The shallowest well is approximately 163.2 feet deep with a static water level of 68.8 feet.
Irrigation	No irrigation ditches or canals were identified during the database search or during the field visit.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database does not map any wetlands within the rest area or general vicinity. A small patch of wetland vegetation (ladysthumb) was noted just southeast of the northern rest area entrance. The vegetation was observed in a roadside drainage swale where water appears to pond.
Flood plains	Federal Emergency Management Agency Flood maps show the rest area outside of, and approximately 0.38 mile south of, the 100-year flood plain of the Powder River.

Environmental Review	
Location:	Clearwater RA
Date:	6/2/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	No surface waters were identified within the vicinity of the rest area during the database search or field review.
Groundwater	The Montana Bureau of Mines and Geology shows four wells within the vicinity of the rest area. The first well is located at the rest area, adjacent to the weigh station, and has a total well depth of 400 feet with a static water level of 1 foot. The second well is located about 600 feet northeast of the rest area and has a total well depth of 420 feet and a static water level of 26 feet. The third well location about 600 feet south of the rest area and has two reported well records. The shallowest well has a total well depth of 50 feet with a static water level of 15 feet. The fourth well belongs to the rest area and is located about 1,500 feet west of the rest area. It has a total well depth of 43 feet, with a static water level of 24 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows no mapped wetlands in the vicinity of the rest area. No wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency has designated the location of the rest area as Zone D, area of undetermined flood hazard.

Environmental Review	
Location:	Columbus East RA
Date:	10/24/2017
Inspector Name:	Peterson Field Observation
Element	Field Observation
Surface Water	During the field review, one ephemeral drainage was identified directly west/southwest of the eastbound rest area. Intermittent pools of standing water, with small pockets of wetland vegetation, were observed within the channel, but continuous flow was absent during the investigation. Allen Creek, which is a small, poorly defined creek within a deep drainage, is located east of the rest area site. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show one well within the eastbound rest area. The well depth is 230 feet with a static water depth of 138 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the eastbound rest area during the field review or database search.
Wetlands	Small pockets of wetland vegetation were identified within the unnamed channel located west/southwest of the eastbound rest area. The U.S. Fish and Wildlife Service National Wetland Inventory database does not show any mapped wetlands within or adjacent to the eastbound rest area.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the eastbound rest area. The nearest floodplain is the 100-year floodplain for Allen Creek, which starts 0.3 mile southeast of the rest area site. The eastbound rest area is located well above the Yellowstone River valley, where the 100-year floodplain for Allen Creek begins.

Environmental Review	
Location:	Columbus West RA
Date:	10/31/2017
Element	Field Observation
Surface Water	During the field review, one ephemeral drainage was identified directly west of the westbound rest area. The drainage had a defined channel, but flow was absent during the time of the investigation. Allen Creek, which is a small, poorly defined creek within a deep drainage, is located east of the rest area site. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show two wells at the westbound rest area. The first well has a total well depth of 232 feet with a static water depth of 150 feet. The second well has a total well depth of 230 feet with a static water level of 155 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the westbound rest area during the field review or database search.
Wetlands	No wetlands were identified within or adjacent to the westbound rest area. The U.S. Fish and wildlife Service National Wetland Inventory database shows no mapped wetlands in the vicinity of the rest area site.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the westbound rest area. The nearest floodplain is the 100-year floodplain for Allen Creek, which starts 0.5 mile southeast of the rest area site. The westbound rest area is located well above the Yellowstone River valley, where the 100-year floodplain for Allen Creek begins.

Environmental Review	
Location:	Conrad RA
Date:	5/18/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	A detention pond was identified east of the rest area. No other surface waters were identified during the database review or field review.
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the rest area. The well is located about 180 feet southeast of the rest area parking lot and has a total well depth of 16 feet. There is no information available for static water level.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetlands Inventory database shows one wetland within the vicinity of the rest area. The wetland is a palustrine emergent wetland located south/southeast of the rest area. During the field review, the detention pond was reviewed. The detention pond potentially has wetland vegetation, but because of heavy flooding it could not be identified.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Culbertson RA
Date:	10/26/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	No surface waters were identified within or in the immediate vicinity of the rest area during the database search and the field review. The only surface water identified was Clover Creek, located 460 feet southeast of the rest area.
Groundwater	Montana Bureau of Mines and Geology show no groundwater wells at the rest area. Other wells in the area show a depth between 70 and 80 feet, with static water levels between 15 and 80 feet
Irrigation	No irrigation ditches or canals were identified during the database search or during the field visit.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database does not map any wetlands within the rest area; however, Clover Creek, which is approximately 460 feet southeast of the rest area is mapped as a palustrine emergent wetland. No other wetlands were identified within the rest area or directly adjacent to the rest area during the field review.
Floodplains	Federal Emergency Management Agency Flood maps show the rest area outside of, and approximately 370 feet northwest of, the 100-year flood plain of Clover Creek.

Environmental Review	
Location:	Custer East RA
Date:	11/1/2017
Inspector Name:	Peterson Field Observation
Liement	
Surface Water	During the field review, one small ephemeral drainage was identified directly northeast of the eastbound rest area parking lot. A small defined channel was observed, but continuous flow was absent during the investigation. The drainage flows north toward the Yellowstone River. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show two wells within and directly adjacent to the rest area limits. The first well has a depth of 284 feet, with a static water level of 150 feet. The second well has a depth of 100 feet with a static water level of 75 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the eastbound rest area during the field review or database search.
Wetlands	During the field visit, emergent wetland vegetation was identified along the south side of the eastbound rest area off-ramp, right before the parking lot. The wetland is within a roadside drainage swale in an area where water ponds. In addition, some emergent wetland vegetation was identified northeast of the rest area parking lot in a small depressional area. U.S. Fish and Wildlife Service National Wetland Inventory database maps an emergent wetland in the same area northeast of the parking lot. No other wetlands were mapped within the eastbound rest area or general vicinity.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the eastbound rest area. The closest floodplain is the 100-year floodplain of the Yellowstone River, located north of Interstate 94 and approximately 0.5 mile north of the rest area.

Environmental Review	
Location:	Custer West RA
Date:	11/1/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	During the field review, two ephemeral drainages were identified within the westbound rest area limits. The first unnamed drainage crosses the rest area off-ramp, flowing north. The second unnamed drainage starts just north of the rest area parking lot. Both drainages have small defined channels, but continuous flow was absent during the investigation. Aerial photos show one unnamed ephemeral drainage within a deep ravine, approximately 750 feet to the west of the rest area.
Groundwater	Montana Bureau of Mines and Geology shows one well within the rest area limits. The well has a depth of 445 feet with a static water level of 135 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the westbound rest area during the field review or database search.
Wetlands	No wetland vegetation was identified within or directly adjacent to the westbound rest area during the field review. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within the westbound rest area or general vicinity.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the westbound rest area. The closest floodplain is the 100-year floodplain of the Yellowstone River, approximately 0.6 mile northwest/north of the rest area.

Environmental Review	
Location:	Dearborn North RA
Date:	4/27/2018
Inspector Name:	Templeton Field Observation
Liement	
Surface Water	No surface waters were identified within or directly adjacent to the rest area. The Missouri River flows approximately 1,250 feet south/southwest of the rest area.
Groundwater	Montana Bureau of Mines and Geology show three wells within the vicinity of the rest area. The first well is located about 600 feet southeast of the rest area and has a total depth of 285 feet, with a static water level of 153 feet. The second well is located about 450 feet south of the rest area and has a total depth of 33 feet, with a static water level of 16 feet. The third well is located just south of the rest area off ramp and has a total depth of 38 feet, with a static water level of 14 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	During the field visit, a shrub-scrub wetland was identified southeast of the rest area parking lot. The wetland is in a depression and likely collects stormwater runoff. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.
Floodplains	Federal Emergency Management Agency flood maps show the rest area is located in an area designated Zone X, area of minimal flood hazard.

Environmental Review	
Location:	Dearborn South RA
Date:	4/27/2018
Inspector Name:	lempleton
Element	
Surface Water	No surface waters were identified during the database review or field review.
Groundwater	Montana Bureau of Mines and Geology show three wells within the vicinity of the rest area. The first well is located about 400 feet northeast of the rest area and has a total well depth of 25 feet, with a static water level of 12 feet. The second well is located about 300 feet north of the rest area and has a total well depth of 198 feet, with a static water level of 140 feet. The third well is located about 400 feet northwest of the rest area and has a total well depth a static water level of 150 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site. No wetlands were identified during the field review.
Floodplains	Federal Emergency Management Agency flood maps show the rest area is located in an area designated Zone X, area of minimal flood hazard.

Environmental Review	
Location:	Dena Mora East RA
Date:	5/16/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	The Saint Regis River is located directly south of the rest area. No other surface waters were identified during the site visit.
Groundwater	The Bureau of Mines and Geology shows one well in the vicinity of the rest area. The well is located about 120 feet southwest of the rest area and has a total well depth of 34 feet and a static water level of 6.5 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows four wetlands in the vicinity of the rest area. The first wetland is a palustrine forested wetland located northeast of the rest area parking lot. The second wetland is a palustrine forested and palustrine scrub-shrub wetland located east of the rest area. The third wetland is a palustrine forested and palustrine scrub-shrub shrub wetland located west of the rest area. The fourth wetland is a fringe palustrine scrub-shrub and palustrine forested wetland located south of the rest area.
Floodplains	The Federal Emergency Management Agency maps the 100-year floodplain (Zone A) for the Saint Regis River directly south of the rest area.

Environmental Review	
Location:	Dena Mora West RA
Date:	5/16/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	No surface waters were identified during the database review or field review.
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the rest area. The well is located at the rest area and has a total well depth of 34.4 feet, with a static water level of 2.2 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetlands Inventory database shows a palustrine scrub- shrub, palustrine forested, and palustrine emergent wetland within the rest area, just north of the parking lot. Wetland vegetation was observed in this area during the site visit.
Floodplains	The Federal Emergency Management Agency has no mapped floodplains for the area.

Environmental Review	
Location:	Divide North RA
Date:	5/30/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	Fly Creek is located about 1,700 feet east of the rest area, and an unnamed drainage is located about 760 feet south of the rest area off-ramp. No other surface waters were identified during the site visit.
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the rest area. The well has a total well depth of 276 feet, with a static water level of 166 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetland Inventory shows no wetlands in the vicinity of the rest area. No wetlands were identified during the site visit.
Floodplains	Federal Emergency Management Agency flood maps designate the rest area as Zone X, area of minimal flood hazard.

Environmental Review	
Location:	Divide South RA
Date:	5/30/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	An unnamed drainage is located about 1,000 feet south of the rest area on-ramp. No other surface waters were identified in the database search or the field review.
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the rest area. The well has a total well depth of 267 feet and a static water level of 136 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetland Inventory shows no wetlands in the vicinity of the rest area. No wetlands were identified during the site visit.
Floodplains	Federal Emergency Management Agency flood maps have designated the rest area as Zone X, area of minimal flood hazard.

Environmental Review	
Location:	Dupuyer PA
Date:	5/17/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	Sheep Creek is located just north of the rest area. A small unnamed drainage is located just south of the rest area on the south side of Swift Dam Road.
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the rest area. The well is located at the rest area and has a total well depth of 90 feet, with a static water level of 11 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetlands Inventory database shows four wetlands in the vicinity of the rest area. Two small palustrine emergent wetlands are located northwest of the rest area, and one palustrine emergent wetland, which runs east to northwest around the rest area, is located south and east of the rest area on the east side of Highway 89 and south of Swift Dam Road. The fourth wetland is a palustrine scrub-shrub wetland on the south side of Swift Dam Road.
Floodplains	The Federal Emergency Management Agency has no floodplain mapping for this area.

Environmental Review	
Location:	Emigrant RA
Date:	10/24/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	The Yellowstone River borders the rest area to the east. No other surface water was identified during the field review and database review.
Groundwater	Montana Bureau of Mines and Geology show three groundwater wells at the rest area. The first well has a depth of 93 feet, with a static water level of 7 feet. The second well has a depth of 72 feet, with a static water level of 9 feet. The third well has a depth of 53.3 feet, with a static water level of 8 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The only wetland vegetation identified during the field review is a narrow emergent wetland fringe along the very steep lower bank of the Yellowstone River, which flows adjacent to the east side of the rest area. The U.S. Fish and Wildlife Service National Wetland Inventory database does not show any mapped wetlands within the rest area or along the Yellowstone River. Mapping does show an emergent wetland on the west side of Highway 89 within a drainage swale. No other wetlands were identified.
Floodplains	Federal Emergency Management Agency flood maps show the entire rest area is located within the 100-year floodplain of the Yellowstone River.

Environmental Review	
Location:	
Date:	10/2//2017
Inspector Name:	Peterson Field Observation
Element	Field Observation
Surface Water	During the field review, no surface waters were identified within or directly adjacent to the rest area. Timber Creek, which is a perennial creek that flows north into Lake Fort Peck, is located approximately 0.17 mile east of the rest area. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show three wells within or immediately adjacent to the rest area. The first well has a depth of 300 feet, with no static water level recorded. The second well has a depth of 132 feet, with a static water level of 0 feet. The third well has a depth of 140 feet, with no static water level recorded.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the rest area. The U.S. Fish and wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site. The only emergent wetland mapped was along Timber Creek, approximately 0.17 mile northeast of the rest area.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the rest area. FEMA has not mapped floodplains in this area, and has designated the area a "no special flood hazard area.'

Environmental Review	
Location:	Gold Creek East RA*
Date:	4/1/2017
Flement	Field Observation
Surface Water	During the field review, one surface water was identified. The Clark Fork River is located west/south of the rest area. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology shows two wells within the vicinity of the rest area. The first well is located just southwest of the rest area parking area and no well information is available. The second well is located about 300 feet southwest of the rest area parking area and has a total well depth of 38 feet, with a static water level of 10 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	One large shrub-scrub/forested wetland was identified west of the rest area along the Clark Fork River. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.
Floodplains	Federal Emergency Management Agency flood maps show the rest area is designated Zone C, area of minimal flooding. The rest area is located directly adjacent to an area designated Zone A, an area of 100-year flood, along the Clark Fork River.

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Environmental Review	
Location:	Gold Creek West RA*
Date:	4/1/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	During the field review, one surface water was identified. Carten Creek, an ephemeral creek, was observed north of the rest area. The creek flows east/southwest along the northern limits before being diverted into a ditch. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology shows three wells on the rest area property. The first well is located at the rest area and has a total well depth of 240 feet, with a static water level of 18 feet. The second well is located adjacent to the first well and has a total well depth of 240 feet, with a static water level of 18 feet. The third well is located about 100 feet southwest of the rest area building and has a total well depth of 63.6 feet, with a static water level of 5.3 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within rest area vicinity during the field review or database search. Carten Creek is directed into a man-made irrigation ditch just east of the rest area, providing stock water and flood irrigation to the field east of the rest area.
Wetlands	One large scrub-shrub/forested wetland was identified west of the rest area building and north of the parking lot during the field review. The U.S. Fish and Wildlife Service National Wetland Inventory database shows multiple wetlands within the vicinity of the rest area. A large palustrine scrub-shrub wetland and two palustrine emergent wetlands are located just north of the rest area off-ramp. A palustrine forested wetland lines Carten Creek located north, and continuing southeast, of the rest area.
Floodplains	Federal Emergency Management Agency flood maps show the rest area is designated Zone C, areas of minimal flooding.

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

Environmental Review	
Location:	Greycliff East RA
Date:	4/25/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	Only one surface water, Greycliff Creek, was identified in the rest area vicinity. The creek runs along the east side of the rest area, flowing under the on-ramp.
Groundwater	Montana Bureau of Mines and Geology shows two groundwater wells at the rest area. The well located on the east side of the rest area's building has a total well depth of 99.7 feet, with a static water level of 57 feet. The second well is located just east of the rest area parking lot. It has a total well depth of 101.5 feet, with a static water level of 58 feet.
Irrigation	A stormwater drainage ditch runs along the south side of the rest area, and appears to capture runoff from the hills south of the rest area. No other irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within or adjacent to the rest area. No wetlands were identified during the field review.
Floodplains	The Federal Emergency Management Agency database shows the rest area is located in an area designated as Zone X, an area of minimal flood hazard.

Environmental Review	
Location:	Greycliff West RA
Date:	4/25/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	The only surface water identified within the rest area vicinity was Greycliff Creek, which runs along the east side of the rest area.
Groundwater	Montana Bureau of Mines and Geology shows one groundwater well at the rest area. The well is located south of the rest area building, in the center of the parking lot. It has a total well depth of 53.7 feet and a static water level of 32.5 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within or adjacent to the rest area. During field review, a small palustrine shrub-scrub wetland was identified lining Greycliff Creek on the east side of the rest area.
Floodplains	The Federal Emergency Management Agency database shows the rest area is located in an area designated as Zone X, an area of minimal flood hazard.

Environmental Review	
Location:	Hardin East RA
Date:	11/1/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	During the field review, two ephemeral creeks were identified to the west and south of the eastbound rest area. The creek 500 feet west of the rest area is Spring Creek. The creek 160 feet south of the rest area is Alkali Creek. Both have defined channels and appear to receive decent flows during storm events. No surface water was observed within the rest area during the field review. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show two wells within the eastbound rest area. The first well has a depth of 175 feet, with a static water level of 40 feet. The second well location has three reported well recordings. The shallowest well recording has a depth of 83 feet, with a static water level of 27 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the eastbound rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the eastbound rest area during the field review. The U.S. Fish and wildlife Service National Wetland Inventory database maps a large emergent wetland 330 feet south of the rest area, as well emergent wetland within the channels of Spring Creek and Alkali Creek.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the eastbound rest area. FEMA maps the area as Zone D.

Environmental Review	
Location:	Hardin West RA
Date:	11/1/2017
Inspector Name:	Peterson Field Observation
Element	
Surface Water	During the field review, one ephemeral creek was identified 200 west of the westbound rest area on-ramp. The creek is Spring Creek. The creek has a defined channel and appears to receive decent flows during storm events. No surface water was observed within the rest area during the field review. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show two wells within the westbound rest area. The first well has a depth of 200 feet, with no static water level recorded. The second well has a depth of 200 feet, with a static water level of 51 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the westbound rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the westbound rest area during the field review. The U.S. Fish and wildlife Service National Wetland Inventory database maps emergent wetland within the channel of Spring Creek, just west of the rest area.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the westbound rest area. FEMA maps the area as Zone D.
Environmental Review	
----------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
Location:	Harlowton RA
Date:	4/26/2018
Inspector Name:	Templeton Tight Observation
Element	Field Observation
Surface Water	No surface waters were identified during the database review or field review.
Groundwater	Montana Bureau of Mines and Geology shows two groundwater wells at the rest area. These wells do not have well depth or static water level information. There are three other wells in the vicinity of the rest area. The well southwest of the rest area is located about 200 feet away and has a total well depth of 110 feet, with a static water level of 35 feet. The well west of the rest area is located about 600 feet away and has a total well depth of 220 feet, with a static water level of 48 feet. The well northwest of the rest area is located about 100 feet away and has a total well depth of 110 feet, with a static depth of 220 feet, with a static water level of 110 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the rest area during the field visit. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site. A drainage pond is located on the southwest side of the rest area with drainage coming from the parking area. The pond was dry but had indicators of standing water.
Floodplains	Federal Emergency Management Agency flood maps show the rest area is located in an area designated Zone C, areas of minimal flooding.

Environmental Review	
Location:	Hathaway East RA
Date:	11/2/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	During the field review, one small drainage swale was identified within the eastbound rest area, approximately 400 feet west of the parking lot. The drainage swale flows north under Interstate 94 and into the Yellowstone River. One ephemeral drainage is located approximately 330 feet south of the rest area, on the south side of old Highway 10. The perennial Coal Creek is located 1,000 feet east of the eastbound rest area. The creek flows north under Interstate 94 and into the Yellowstone River, which is north of the eastbound rest area on the north side of Interstate 94. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show one well within the eastbound rest area. Well depth is 260 feet, with a static water level of 60 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the eastbound rest area during the field review or database search.
Wetlands	No wetlands were identified within or adjacent to the eastbound rest area. The U.S. Fish and wildlife Service National Wetland Inventory database shows no mapped wetlands in the vicinity of the rest area site.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the eastbound rest area. The area is designated as undeveloped and flood hazard areas have not been delineated.

Environmental Review	
Location:	Hathaway West RA
Date:	11/2/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	Several ephemeral drainages were identified within or directly adjacent to the westbound rest area during the field review. One drainage is located approximately 130 feet south of the parking area and loop road. The drainage flows northwest into the Yellowstone River. A second ephemeral drainage is located approximately 410 feet east of the rest area off-ramp and flows north into the Yellowstone River. Several small drainages start north of the rest area, flowing into the Yellowstone River. The westbound rest area sits on a terrace high about the Yellowstone River, which is directly north of the rest area site. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show three wells within the westbound rest area. The first well has a depth of 510 feet, with a static water level of 180 feet. The second well has a depth of 355 feet, with a static water level of 100 feet. The third well has a depth of 225 feet, with a static water level of 154 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the westbound rest area during the field review or database search.
Wetlands	During the field visit, emergent wetland was identified within the westbound rest area just south of the parking area and loop road. The wetland sits within a depressed basin at the top of a drainage that flows northwest into the Yellowstone River. U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within the rest area or immediate vicinity.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the westbound rest area. The area is designated as undeveloped and flood hazard areas have not been delineated.

Environmental Review	
Location:	Homestake East PA
Date:	5/30/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	Homestake Creek no longer flows under the interstate. It flows south, then east, along the north side of the interstate. One unnamed drainage, running north/south, flows under the parking area and interstate, and into Homestake Creek located north of the interstate. No other surface waters were identified during the site visit.
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the parking area. The well location is about 650 feet southeast of the parking area and has 3 reported well records. The shallowest well has a total well depth of 23.6 feet with a static water level of 5.1 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The United States Fish and Wildlife Service National Wetlands Inventory shows a large palustrine scrub-shrub wetland located south/west of the parking area. During the site visit, the large palustrine scrub-shrub wetland was also identified on the east side of the parking area.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Homestake West PA
Date:	5/30/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	Homestake Creek no longer flows under the interstate. It flows south, then east, along the north side of the interstate. One unnamed drainage, running north/south, flows under the parking area and interstate, and into Homestake Creek located north of the interstate. No other surface waters were identified during the site visit.
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the parking area. The well location is located about 900 feet southeast of the parking area and has 3 reported well records. The shallowest well has a total well depth of 23.6 feet, with a static water level of 5.1 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The United States Fish and Wildlife Service National Wetlands Inventory shows one large palustrine scrub-shrub wetland that wraps around the east, west, and north areas of the parking area. The wetland is located along the unnamed drainage and Homestake Creek. An emergent wetland was also identified in this area.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Hysham East RA
Date:	11/3/2017
Inspector Name:	Peterson Field Observation
Element	
Surface Water	During the field review, one small ephemeral drainage was identified at the very western limits of the eastbound rest area. The drainage flows west under the rest area off-ramp and Interstate 94 and into Box Elder Creek. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show four wells within and directly adjacent to the rest area limits. The first well has a depth of 250 feet, with a static water level of 66 feet. Well number 2 has a depth of 200 feet and a static water of 47 feet. The third well has a depth of 20 feet, with no static water level recorded. Well number four has a depth of 70 feet, with a static water level of 9 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the eastbound rest area during the field review or database search.
Wetlands	No wetlands were identified during the field review. U.S. Fish and Wildlife Service National Wetland Inventory database shows one small emergent wetland approximately 180 feet east of the eastbound rest area off-ramp, just outside the rest area limits.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the eastbound rest area. The rest area is located within an area mapped as Zone D.

Environmental Review	
Location:	Hysham West RA
Date:	11/3/2017
Inspector Name:	Peterson Field Observation
Element	
Surface Water	During the field review, one perennial creek, Box Elder Creek, was identified within the westbound rest area. The creek parallels the rest area on the western edge of the site. it flows north into the Yellowstone River. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show five wells within and directly adjacent to the rest area limits. The first well has a depth of 280 feet, with no static water level recorded. Well number 2 has a depth of 75 feet and a static water of 24 feet. The third well has a depth of 20 feet, with a static water level of 16 feet. Well number four has a depth of 65 feet, with a static water level of 14 feet. Well number five has a total well depth of 200 feet, with a static water level of 41.8 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the westbound rest area during the field review or database search.
Wetlands	During the field review, a small emergent wetland fringe was identified along Box Elder Creek, which borders the westbound rest area to the west. The U.S. Fish and Wildlife Service National Wetland Inventory database also shows emergent wetland along the channel of Box Elder Creek.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the westbound rest area. The rest area is located within an area mapped as Zone D. Box Elder Creek parallels the westbound rest area site to the west and appears to have a small floodplain; however, this area has not been mapped by FEMA.

Environmental Review	
Location:	Jefferson City North RA
Date:	10/19/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	During the field review, no surface water was observed within the northbound rest area limits. The perennial Prickly Pear Creek is located just east of the rest area. The creek flows north, paralleling the rest area outside of the right-of-way on the east side of Highway 282. No other surface waters were identified during the database review.
Groundwater	Montana Bureau of Mines and Geology show no wells within the northbound rest area. The closest well is shown as being 520 feet southeast of the site. Well depth for this well is 100 feet, with a static water level of 40 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the northbound rest area during the field review or database search.
Wetlands	No wetland vegetation was identified within or directly adjacent to the northbound rest area during the field review. Prickly Pear Creek parallels the rest area to the east, on the east side of Highway 282. A wetland fringe may be found within this creek; however, it was not investigated. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within the rest area or general vicinity.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the northbound rest area. The area has been mapped by FEMA as Zone C.

Environmental Review	
Location:	Jefferson City South RA
Date:	5/29/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	Prickly Pear Creek is located east of the rest area on the east side of the interstate. During the site visit, a small pond, likely used to collect stormwater, was identified at the rest area, north of the building.
Groundwater	The Montana Bureau of Mines and Geology shows five wells within the vicinity of the rest area. The first well is located at the rest area and has a total well depth of 245 feet, with a static water level of 40 feet. The second well location is located about 250 feet west of the rest area and reports five well records. The shallowest well for the location has a total well depth of 32 feet, with a static water level of 16 feet. The third well is located about 150 feet west of the rest area and has a total well depth of 105 feet, with a static water level of 50 feet. The fourth well is located about 275 feet west of the rest area off-ramp and has six well records for the reported well location. The shallowest well in that location has a total well depth of 262 feet, with a static water level of 130 feet. The fifth well is located about 125 feet east of the rest area on-ramp and has a total well depth of 183 feet, with a static water level of 15 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within or adjacent to the rest area. During the site visit, a potential small fringe emergent wetland was identified around the drainage pond.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Lima RA
Date:	5/31/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	No surface waters were identified during the site visit or database search.
Groundwater	The Montana Bureau of Mines and Geology shows three wells within the vicinity of the rest area. The first well location is about 600 feet south of the rest area and has 2 well recordings. The shallowest well has a total well depth of 218 feet and no information for the static water level. The second well is located about 750 southwest of the rest area, across the interstate, and has a total well depth of 196 feet, with a static water level of 167 feet. The third well is located about 450 feet northwest of the rest area and has a total depth of 232 feet, with a static water level of 180 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows no mapped wetlands within the vicinity of the rest area. No wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency has designated the location of the rest area as Zone C, areas of minimal flooding.

Environmental Review	
Location:	Livingston PA
Date:	10/24/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	During the field review, one small ephemeral drainage was identified at the very western limits of the parking area. The drainage flows south under the parking area off-ramp and into Billman Creek. Billman creek parallels the parking area south of the right-of-way limits and south of Highway 10. The creek flows east toward the Yellowstone River. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology show two wells within the parking area. The first well has a depth of 86 feet, with a static water level of 32 feet. The second well has a depth of 95 feet, with a static water level of 40 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	No wetland vegetation was identified within or directly adjacent to the parking area during the field review. The nearest wetland vegetation is likely on Billman Creek, located south of the parking area on the other side of Highway 10. The U.S. Fish and wildlife Service National Wetland Inventory database has mapped emergent wetland along this creek.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the parking area. FEMA maps the area as Zone X.

Environmental Review	
Location:	Locate PA
Date:	10/25/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	No surface waters were identified within the parking area limits during the field review. Archdale Creek and an unnamed drainage are located within the parking area vicinity, with Archdale Creek south of the site and the unnamed drainage west of the site. Both drainages have defined bed and banks and are likely ephemeral or intermittent.
Groundwater	Montana Bureau of Mines and Geology show no wells within the parking area. The closest well is shown as being 1,000 feet northwest of the site. Well depth for this well is 52 feet, with a static water level of 32 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	No wetlands were identified within or directly adjacent to the parking area during the field review. The U.S. Fish and wildlife Service National Wetland Inventory database shows no mapped wetlands in the vicinity of the parking area site. Archdale Creek is located south of the parking area on the south side of Highway 12. Some wetland fringe may be found along the creek. In addition, aerial photography shows a small stock pond within an unnamed drainage west of the parking area. Wetland vegetation may be present at this location.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the parking area. FEMA maps the area as Zone D.

Environmental Review	
Location:	Lost Trail RA
Date:	5/30/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	No surface waters were identified in the vicinity of the rest area during the database search or field review.
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the rest area. The well is located about 600 feet southwest of the rest area and has a total well depth of 195 feet, with a static water level of 109 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetland Inventory shows one palustrine emergent wetland about 650 feet west of the rest area. No other wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency designated the location of the rest area as Zone D, area with flood risk due to levee.

Environmental Review	
Location:	Lyon's Creek North PA
Date:	4/27/2018
Inspector Name:	Templeton
Element	
Surface Water	The Little Prickly Pear Creek is the only surface water identified within the parking area vicinity. The creek is located directly to the south/southeast.
Groundwater	Montana Bureau of Mines and Geology show two wells in the vicinity of the parking area. The first well is located about 300 feet north of the parking area and has a total well depth of 59 feet, with a static water level of 7 feet. The second well is located about 1,500 feet northwest of the parking area and has a total well depth of 100 feet, with a static water level of 19 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands near the parking area. During the site visit a fringe palustrine forested-shrub wetland was identified southeast of the parking area along Little Prickly Pear Creek.
Floodplains	Federal Emergency Management Agency flood maps show the parking area is located in an area designated Zone D, area of undetermined flood hazard.

Environmental Review	
Location:	Lyon's Creek South PA
Date:	4/27/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	No surface waters were identified within or directly adjacent to the parking area. The only identified surface water is Little Prickly Pear Creek located south of the parking area across the interstate.
Groundwater	Montana Bureau of Mines and Geology show two wells in the vicinity of the parking area. The first well is located about 300 feet west of the parking area and has a total well depth of 59 feet, with a static water level of 7 feet. The second well is located about 1,500 feet northeast of the parking area and has a total well depth of 320 feet, with a static water level of 178 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database maps a palustrine forested shrub wetland, which runs north/northeast of the parking area. The wetland is part of an old channel of the creek cut off by the interstate. No other wetlands were identified during the site review.
Floodplains	Federal Emergency Management Agency flood maps show the parking area is located in an area designated Zone D, area of undetermined flood hazard.

Environmental Review	
Location:	Mosby RA
Date:	10/27/2017
Inspector Name:	Peterson
Element	Field Observation
Surface Water	The rest area sits at the top of a hill. During the field review, small ephemeral drainages were identified just north, east and west of the rest area. These small drainages flow into Sage Hen Creek, approximately 0.5 mile north of the rest area. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology shows one well within the rest area. The well has a depth of 1,810 feet, with a static water level of -2 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the rest area during the field visit. The rest area sits on top of a hill in an upland grassland area. The U.S. Fish and wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.
Floodplains	Federal Emergency Management Agency flood maps show no designated floodplains within or immediately adjacent to the rest area. FEMA has not mapped floodplains in this area, and has designated the area a "no special flood hazard area."

Environmental Review	
Location:	Quartz Flats East RA
Date:	5/15/2018
Inspector Name:	Lauren Templeton
Surface Water	The Clark Fork River is located east of the rest area on the east side of the interstate. No other surface waters were identified during the site visit.
Groundwater	Montana Bureau of Mines and Geology show three wells within the vicinity of the rest area. The first well is located at the rest area and has a total well depth of 151.1 feet, with a static water level of 70 feet. The second well is located about 450 feet northwest of the rest area and has a total well depth of 134 feet, with a static water level of 109 feet. The third well is located 500 feet southwest of the rest area and has a total well depth of 151.5 feet with a static water level of 119.6 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the rest area during the field visit. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Quartz Flats West RA
Date:	5/15/2018
Element	Lauren Templeton
Surface Water	The Clark Fork River is located east of the rest area. No other surface waters were identified during the site visit.
Groundwater	The Montana Bureau of Mines and Geology shows two wells within the vicinity of the rest area. The first well is located northeast of the rest area and has a total well depth of 80 feet, with a static water level of 43 feet. The second well is located 650 feet south of the rest area and has a total well depth of 61.3 feet. No information is available for the static water level.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within the rest area vicinity. No wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency shows no mapped floodplains for this area. The nearest mapped floodplain is the 100 year floodplain (Zone A) for the Clark Fork River, 400 feet to the east.

Environmental Review	
Location:	Raynolds Pass RA
Date:	4/24/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	The Madison River runs along the west side of the rest area. A stormwater pond is located north of the parking area, which appears to collect stormwater runoff adjacent to the parking lot. No other surface waters were identified
Groundwater	Montana Bureau of Mines and Geology shows two groundwater wells at the rest area. The well located on the northwest side of the rest area has a total well depth of 348 feet, with a static water level of 35 feet. The well located on the east side of the rest area has a total well depth of 99 feet, with a static water level of 12 feet. A groundwater well is also located about 1,500 feet east of the rest area. The well has a total well depth of 40 feet, with a static water level of 3 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	U.S. Fish and Wildlife Service National Wetland Inventory database identified four potential wetlands within the rest area vicinity. A palustrine forested shrub wetland was mapped south of the rest area along the Madison River. A palustrine forested shrub wetland was mapped west of the rest area on an island of the Madison River. A palustrine forested shrub wetland was mapped across highway 287 on the east side of the rest area, and a palustrine emergent wetland was mapped south of the rest area across from the rest area entrance road. These wetlands were confirmed during the site visit. Two additional wetlands were identified during the site visit. A fringe palustrine shrub-scrub wetland was identified on the west side of the rest area along the Madison River. A palustrine shrub-scrub wetland was also identified north of the rest area, which developed in a roadside ditch.
Floodplains	The Federal Emergency Management Agency database has not completed a flood hazard study for the location of the rest area.

Environmental Review	
Location:	Red Rocks North PA
Date:	5/31/2018
Inspector Name:	Templeton Situl Observation
Element	Field Observation
Surface Water	A small, unnamed, ephemeral drainage crosses under the parking area on-ramp. A second unnamed ephemeral drainage is located 220 feet east of the parking lot. McKenzie Canyon crosses the interstate just south of the parking area off-ramp. No other surface waters were identified during the field review.
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the parking area. The well is located in the center of the parking area parking lot and has a total well depth of 198 feet and a static water level of 88 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory does not have any wetlands mapped in the vicinity of the parking area. No wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Red Rock South PA
Date:	5/31/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	An unnamed ephemeral drainage crosses the parking area off-ramp. McKenzie Canyon crosses the interstate just south of the parking area on-ramp. No other surface waters were identified during the field review.
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the parking area. The well is located about 150 feet southwest of the parking area and has a total well depth of 205 feet, with a static water level of 129 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	No mapped wetlands were identified through the United States Fish and Wildlife Services National Wetlands Inventory. No wetlands were identified during the field review.
Floodplains	The Federal Emergency Management Agency shows no floodplain mapping for this area.

Environmental Review	
Location:	Roberts RA
Date:	5/16/2017
Inspector Name:	Peterson Field Observation
Surface Water	During the field review, the only surface water noted was the perennial Rock Creek, located south/west/north of the rest area. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology shows three wells within the vicinity of the rest area. The first well is located just north of the rest area northeastern entrance has a total well depth of 220 feet, with a static water level of 8 feet. The second well is located 200 feet northeast of the rest area. The well has three well records, the shallowest well depth is 80 feet, with a static water level of 40 feet. The third well is located about 300 feet west of the rest area and does not have a total well depth record, but has a static water level of 20 feet.
Irrigation	One irrigation ditch was identified during the field review. The ditch is located at the northern rest area limits and flows west/southwest, where it flows into a storage pond connecting to Rock Creek. No other irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	Three wetlands were identified during a formal delineation conducted by MDT on July 13, 2017. The first wetland is a shrub-scrub and forested wetland located on the western side of the rest area limits. The second wetland is a palustrine, emergent wetland located northeast of the rest area. The third wetland is an emergent, riverine wetland located just north of the rest area building. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.
Floodplains	Federal Emergency Management Agency flood maps show the rest area is designated Zone X, area of minimal flood hazard. Directly west of the rest area is an area designation of Zone AE, a regulatory floodway.

Environmental Review	
Location:	Rock Creek East PA
Date:	6/1/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	The Clark Fork River is located south of the parking area. No other surface waters were identified during the site visit or database review.
Groundwater	The Montana Bureau of Mines and Geology shows two wells within the vicinity of the parking area. The first is located about 150 feet south of the parking area on-ramp and has a total well depth of 42 feet, with a static water level of 13 feet. The second well is located about 100 feet south of the parking area on-ramp and has a total well depth of 42 feet, with a static water level of 11.97 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows a small palustrine emergent wetland and a small palustrine scrub-shrub wetland along the Clark Fork River south of the parking area. During the site visit, five potential wetlands were identified. Two small shrub-scrub wetlands were identified south of the parking area off-ramp, a shrub-scrub wetland south of the parking lot, a shrub-scrub wetland along the railroad tracks south of the parking area, and a small forested shrub-scrub wetland south of the parking area on-ramp.
Floodplains	The Federal Emergency Management Agency has designated the location of the parking area as Zone X, area of minimal flood hazard.

Environmental Review	
Location:	Rock Creek West PA
Date:	6/1/2018
Inspector Name:	Templeton
Element	Field Observation
Surface Water	The Clark Fork River is located south of the parking area, on the south side of the interstate. No other surface waters were identified during the site visit or database review.
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the parking area. The well is located at the parking area and has a total well depth of 51.5 feet with a static water level of 13 feet.
Irrigation	One, small irrigation ditch is located directly north of the parking area. The ditch flows under Bonita Range Station Road. No other irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.
Wetlands	The United States Fish and Wildlife Services National Wetlands Inventory shows no mapped wetlands within the vicinity of the parking area. No wetlands were identified during the site visit.
Floodplains	The Federal Emergency Management Agency has designated the location of the parking area as Zone X, area of minimal flood hazard.

	Environmental Review
Location:	Sweet Grass RA
Date:	5/17/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	No surface waters were identified during the field review. A review of site aerials show one small unnamed drainage located just west of the rest area on the west side of the interstate on-ramp.
Groundwater	The Montana Bureau of Mines and Geology shows one well at the rest area. There are five reported well records for the identified well location, all of which are abandoned. The well with the most shallow depth has a total well depth of 65 feet, with a static water level of 42.82 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the rest area during the field visit. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.
Floodplains	The Federal Emergency Management Agency does not show floodplain mapping for the area.

	Environmental Review									
Location:	Teton River North RA									
Date:	5/18/2018									
Inspector Name:	Lauren Templeton									
Element	Field Observation									
Surface Water	The Teton River is located just east/south of the rest area. No other surface waters were identified during the site visit.									
Groundwater	The Montana Bureau of Mines and Geology shows one well within the vicinity of the rest area. The well is located at the rest area and has a total well depth of 25.8 feet, with a static water level of 10.8 feet.									
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.									
Wetlands	During the site visit, a forested shrub-scrub wetland with willows was identified west and south of the rest area. The wetland appears to have formed in an old channel of the Teton River. The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.									
Floodplains	The Federal Emergency Management Agency has designated the rest area as Zone C, areas of minimal flooding.									

	Environmental Review
Location:	Teton River South RA
Date:	5/18/2018
Inspector Name:	Lauren Templeton
Element	Field Observation
Surface Water	The Teton River is located south/southwest of the rest area. No other surface waters were identified during the site visit.
Groundwater	The Montana Bureau of Mines and Geology shows one well in the vicinity of the rest area. The well is located about 200 feet south of the rest area building and has a total well depth of 31.5 feet, with a static water level of 13.2 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	The U.S. Fish and Wildlife Services National Wetlands Inventory database shows one wetland within the vicinity of the rest area. The wetland is a palustrine emergent wetland along the Teton River, located south of the rest area. During the site visit, a large shrub-scrub forested wetland with willows was identified south/southeast of the rest area. The wetland appears to have formed in an old channel of the Teton River.
Floodplains	The Federal Emergency Management Agency has designated the area as Zone C, areas of minimal flooding.

Environmental Review								
Location:	Troy RA							
Date:	5/16/2018							
Inspector Name:	Lauren Templeton							
Element	Field Observation							
Surface Water	No surface waters were identified within or adjacent to the rest area during the database review and site visit.							
Groundwater	The Montana Bureau of Mines and Geology shows three wells within the vicinity of the rest area. The first well is located at the rest area and has a total well depth of 400 feet, with a static water level of 131 feet. The second well is located about 450 feet southeast of the rest area and has a total well depth of 126 feet, with a static water level of 80 feet. The third well is located about 650 feet south of the rest area and has a total well depth of 180 feet. There is no information available for the static water level.							
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.							
Wetlands	The U.S. Fish and Wildlife Service National Wetlands Inventory database shows no mapped wetlands within the rest area vicinity. No wetlands were identified during the site visit.							
Floodplains	The Federal Emergency Management Agency designated the rest area location as Zone C, areas of minimal flooding.							

	Environmental Review
Location:	Vandalia RA
Date:	10/26/2017
Inspector Name:	Peterson Field Observation
Element	Field Observation
Surface Water	During the field review, the only surface water noted was the ephemeral Unger Creek located directly west of the rest area. The creek has a defined channel and a narrow riparian corridor. No other surface waters were identified during the database portion of the review.
Groundwater	Montana Bureau of Mines and Geology shows two wells within the rest area. The first well has a depth of 72 feet, with a static water level of 37 feet. The second well has a depth of 195 feet, with a static water level of 54 feet.
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.
Wetlands	No wetlands were identified within or immediately adjacent to the rest area during the field visit. The U.S. Fish and wildlife Service National Wetland Inventory database shows emergent wetland within the channel of Unger Creek, located directly west of the rest area.
Floodplains	Federal Emergency Management Agency flood maps show the rest area located directly east of the 100-year floodplain of Unger Creek.

Environmental Review									
Location:	Vista Point PA								
Date:	5/29/2018								
Inspector Name:	Templeton								
Element	Field Observation								
Surface Water	No surface waters were identified during the field review or database search.								
Groundwater	The Montana Bureau of Mines and Geology shows no wells within the vicinity of the parking area.								
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the parking area during the field review or database search.								
Wetlands	The U.S. Fish and Wildlife Service National Wetland Inventory database shows no mapped wetlands within or adjacent to the parking area. No wetlands were identified during the field review.								
Floodplains	The Federal Emergency Management Agency has designated the parking area as Zone X, area of minimal flood hazard.								

Environmental Review									
Location:	Wibaux RA								
Date:	10/26/2017								
Inspector Name:	Peterson								
Element	Field Observation								
Surface Water	During the field review, the only surface water noted was the perennial Beaver Creek located 700 feet west of the rest area. The creek flows north/northeast into the Missouri River. No other surface waters were identified during the database portion of the review.								
Groundwater	Montana Bureau of Mines and Geology shows one well in the rest area vicinity. The well has a depth of 196 feet, with a static water level of 90 feet.								
Irrigation	No irrigation ditches, canals, or other infrastructure were identified within or adjacent to the rest area during the field review or database search.								
Wetlands	No wetlands were identified within or immediately adjacent to the rest area during the field visit. The U.S. Fish and wildlife Service National Wetland Inventory database shows no mapped wetlands in the immediate vicinity of the rest area site.								
Floodplains	Federal Emergency Management Agency flood maps show the rest area located directly east of the 100-year floodplain for Beaver Creek and directly north of the 100-year floodplain for Yates Creek. The rest area is located in an area mapped as Zone X.								

Attachment 10 HEALTH INDEX SCORING

Health Index Scoring Summary

	Alphabetical		Lowest to Highest Score					
		Health			Health			
	Rest Area Name	Index		Rest Area Name	Index			
		Score			Score			
1	Anaconda Rest Area	62.2	1	Gold Creek (West) Rest Area*	26.3			
2	Armington Junction Rest Area	56.8	2	Gold Creek (East) Rest Area*	30.7			
3	Bad Route Rest Area	57.5	3	Quartz Flats (West) Rest Area	45.5			
4	Bearmouth (East) Rest Area	88.2	5	Jefferson City (South) Rest Area	47.5			
5	Bearmouth (West) Rest Area	88.2	6	Quartz Flats (East) Rest Area	48.8			
6	Bozeman Rest Area	85.3	7	Jefferson City (North) Rest Area	49.2			
7	Bridger Rest Area	70.8	4	Vandalia Rest Area	51.0			
8	Broadus Rest Area	68.5	12	Mosby Rest Area	51.3			
9	Clearwater Junction Rest Area	62.5	9	Hardin (East) Rest Area	52.3			
10	Columbus (East) Rest Area	81.2	11	Custer (East) Rest Area	52.7			
11	Columbus (West) Rest Area	81.5	8	Hathaway (East) Rest Area	53.2			
12	Conrad Rest Area	96.0	13	Custer (West) Rest Area	54.0			
13	Culbertson Rest Area	87.7	14	Hardin (West) Rest Area	55.0			
14	Custer (East) Rest Area	52.7	15	Armington Junction Rest Area	56.8			
15	Custer (West) Rest Area	54.0	10	Bad Route Rest Area	57.5			
16	Dearborn (North) Rest Area	76.2	16	Emigrant Rest Area	59.2			
17	Dearborn (South) Rest Area	77.5	19	Hathaway (West) Rest Area	60.2			
18	Dena Mora (East) Rest Area	63.3	17	Anaconda Rest Area	62.2			
19	Dena Mora (West) Rest Area	65.7	23	Clearwater Junction Rest Area	62.5			
20	Divide (North) Rest Area	93.2	18	Dena Mora (East) Rest Area	63.3			
21	Divide (South) Rest Area	95.5	20	Roberts Rest Area	63.8			
22	Emigrant Rest Area	59.2	21	Troy Rest Area	63.8			
23	Flowing Wells Rest Area	91.8	22	Dena Mora (West) Rest Area	65.7			
24	Gold Creek (East) Rest Area*	30.7	26	Broadus Rest Area	68.5			
25	Gold Creek (West) Rest Area*	26.3	24	Lost Trail Pass Rest Area	69.2			
26	Greycliff (East) Rest Area	76.8	25	Bridger Rest Area	70.8			
27	Grevcliff (West) Rest Area	75.8	30	Grevcliff (West) Rest Area	75.8			
28	Hardin (East) Rest Area	52.3	34	Dearborn (North) Rest Area	76.2			
29	Hardin (West) Rest Area	55.0	28	Grevcliff (East) Rest Area	76.8			
30	Harlowton Rest Area	88.3	35	Dearborn (South) Rest Area	77.5			
31	Hathaway (East) Rest Area	53.2	27	Lima Rest Area	80.8			
32	Hathaway (West) Rest Area	60.2	37	Hysham (West) Rest Area	80.8			
33	Hysham (East) Rest Area	82.2	32	Columbus (East) Rest Area	81.2			
34	Hysham (West) Rest Area	80.8	29	Columbus (West) Rest Area	81.5			
35	Jefferson City (North) Rest Area	49.2	31	Wibaux Rest Area	82.0			
36	Jefferson City (South) Rest Area	47.5	40	Hysham (East) Rest Area	82.2			
37	Lima Rest Area	80.8	38	Teton River (North) Rest Area	82.7			
38	Lost Trail Pass Rest Area	69.2	33	Sweet Grass Rest Area	83.3			
39	Mosby Rest Area	51.3	42	Teton River (South) Rest Area	84.3			
40	Quartz Flats (Fast) Rest Area	48.8	36	Bozeman Rest Area	85.3			
41	Quartz Flats (West) Rest Area	45.5	44	Raynolds Pass Rest Area	86.2			
42	Raynolds Pass Rest Area	86.2	39	Culbertson Rest Area	87.7			
43	Roberts Rest Area	42.8	43	Bearmouth (West) Rest Area	88.2			
44	Sweet Grass Rest Area	83.3	47	Bearmouth (East) Rest Area	88.2			
45	Teton River (North) Rest Area	82.7	41	Harlowton Rest Area	88.3			
46	Teton River (South) Rest Area	84.3	46	Flowing Wells Rest Area	91.8			
47	Troy Rest Area	63.8	45	Divide (North) Rest Area	93.2			
48	Vandalia Rest Area	51.0	48	Divide (South) Rest Area	95.5			
19	Wibaux Rest Area	82.0	40	Conrad Best Area	96.0			
+3	THOUGH NEST AILU	02.0	49	comaa nest Area	90.0			

*Note: Gold Creek was a rest area at the time of data collection. Programmed to be reconstructed as a parking area (UPN 9253 001, anticipated let date June 2019).

Health Index Scoring Summary

	Alphabetical								
	Parking Area Name	Health Index Score							
1	Alberton (East) Parking Area	8.0							
2	Alberton (West) Parking Area	7.5							
3	Barretts Parking Area	5.0							
4	Dupuyer Parking Area	12.0							
5	Homestake Pass (East) Parking Area	15.0							
6	Homestake Pass (West) Parking Area	9.0							
7	Livingston (East) Parking Area	12.0							
8	Locate Parking Area	11.5							
9	Lyon's Creek (North) Parking Area	8.0							
10	Lyon's Creek (South) Parking Area	8.0							
11	Red Rocks (North) Parking Area	8.0							
12	Red Rocks (South) Parking Area	8.0							
13	Rock Creek (East) Parking Area	8.0							
14	Rock Creek (West) Parking Area	8.5							
15	Vista Point	12.0							

Lowest to Highest Score							
	Parking Area Name						
1	Barretts Parking Area	5.0					
2	Alberton (West) Parking Area	7.5					
3	Alberton (East) Parking Area	8.0					
4	Lyon's Creek (North) Parking Area	8.0					
5	Lyon's Creek (South) Parking Area	8.0					
6	Red Rocks (North) Parking Area	8.0					
7	Red Rocks (South) Parking Area	8.0					
8	Rock Creek (East) Parking Area	8.0					
9	Rock Creek (West) Parking Area	8.5					
10	Homestake Pass (West) Parking Area	9.0					
11	Locate Parking Area	11.5					
12	Dupuyer Parking Area	12.0					
13	Livingston (East) Parking Area	12.0					
14	Vista Point	12.0					
15	Homestake Pass (East) Parking Area	15.0					

Health Index										ex So	corin	g	
			Point Values			1 Anaconda Rest Area		2 Armington Junction Rest Area		3 Bad Route Rest Area		4 Bearmouth (East) Rest Area	
Element		(0-100) E: Excellent G: Good F: Fair P: Poor											
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	Р	0.0	E	7.0	Р	0.0	E	7.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7	E	1.0
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7	E	1.0
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	G	1.3	Р	0.0	Р	0.0	E	2.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	10.0	-	15.3	-	9.0	-	18.7
	Exterior Lighting	2.0	1.3	0.7	0.0	G	1.3	F	0.7	G	1.3	E	2.0
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	F	0.3	F	0.3	E	1.0
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	E	1.0
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3	E	2.0
	Site Signage	1.0	0.7	0.3	0.0	E	1.0	F	0.3	G	0.7	E	1.0
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7	E	1.0
	SUBTOTAL	8.0	5.3	2.7	0.0	-	5.7	-	3.7	-	5.0	-	8.0
	Facility Ventilation	2.0	-	-	0.0	E	2.0	Р	0.0	E	2.0	E	2.0
	Floor Condition	1.0	0.7	0.3	0.0	E	1.0	F	0.3	G	0.7	E	1.0
	Interior Lighting	2.0	1.3	0.7	0.0	F	0.7	F	0.7	F	0.7	E	2.0
	Paint	1.0	0.7	0.3	0.0	E	1.0	F	0.3	G	0.7	E	1.0
Structure	Remaining Service Life	2.0	1.3	0.7	0.0	G	1.3	Р	0.0	Р	0.0	E	2.0
	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	G	1.3	F	0.7	F	0.7	E	2.0
	Restroom Stalls	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0	E	5.0
	Roofing	2.0	1.3	0.7	0.0	G	1.3	E	2.0	G	1.3	E	2.0
	Siding	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3	E	2.0
	SUBTOTAL	19.0	11.3	5.7	0.0	-	15.0	-	10.3	-	12.3	-	19.0
	Municipal System	26.0	-	-	-	-	-	-	-	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	E	5.0	Р	0.0	E	5.0	E	5.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	F	1.3	F	1.3	G	2.7	E	4.0
Water	Operation & Maintenance	6.0	-	3.0	0.0	F	3.0	F	3.0	F	3.0	E	6.0
Water	Backflow Prevention	1.0	-	-	0.0	E	1.0	E	1.0	E	1.0	E	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	G	3.3	F	1.7	F	1.7	E	5.0
	Remaining Service Life	5.0	3.3	1.7	0.0	F	1.7	G	3.3	Р	0.0	E	5.0
	SUBTOTAL	26.0	12.7	9.3	0.0	-	15.3	-	10.3	-	13.3	-	26.0
	Municipal System	24.0	-	-	-	-	-	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	G	2.7	G	2.7	F	1.3	E	4.0
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	G	4.0	F	2.0	Р	0.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	G	2.5	G	2.5	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	E	3.0	G	2.0	G	2.0	Р	0.0
	Remaining Service Life	6.0	4.0	2.0	0.0	F	2.0	F	2.0	E	6.0	E	6.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	12.2	-	13.2	-	13.8	-	12.5
Amenities	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		62.2		56.8		57.5		88.2

	Health Index Scoring												
			Point Values			5		6		7		8	
Element		(0-100) E: Excellent G: Good F: Fair P: Poor			Bearmouth (West) Rest Area		Bozeman Rest Area		Bridger Rest Area		Broadus Rest Area		
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	Р	0.0	E	7.0	E	7.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	E	1.0	F	0.3	G	0.7	G	0.7
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	E	1.0
	Pavement Striping Quality	1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	E	1.0
	Remaining Service Life	2.0	1.3	0.7	0.0	E	2.0	Р	0.0	Р	0.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	19.0	-	8.7	-	16.0	-	16.7
	Exterior Lighting	2.0	1.3	0.7	0.0	E	2.0	G	1.3	F	0.7	G	1.3
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	E	1.0	G	0.7	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	E F	2.0	G	1.3	G	1.3	G	1.3
	Site Signage	1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	G	0.7
		1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	G	0.7
		8.0	5.3	2./	0.0	•	7.7	-	6.0	•	4./	-	5.3
	Facility Ventilation	2.0	-	-	0.0	E	2.0	E	2.0	E	2.0	P	0.0
	Floor Condition	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	P F	0.0
	Interior Lighting	2.0	1.5	0.7	0.0		2.0	G	1.3	F	0.7	F	0.7
	Paint Demoining Convice Life	1.0	0.7	0.3	0.0	E	1.0	G	0.7	F	0.3	P F	0.0
Structure	Remaining Service Life	2.0	1.5	0.7	0.0		2.0	G	1.3	F	0.7	F	0.7
	Restroom Stalls	2.0	1.5	0.7	0.0	с с	2.0	с с	2.0	6	1.5	г с	5.0
	Restroom stans	2.0	5.5 1.2	1.7	0.0	с с	2.0	C C	5.0		5.0	E G	1.2
	Siding	2.0	1.3	0.7	0.0	с С	2.0	E E	2.0	Ġ	1.2	G	1.3
	SUBTOTAL	10.0	11.2	6.7 5.7	0.0	L	10.0	L	16.7	U	12 7	U	0.7
	Municipal System	26.0	11.5	5.7	0.0	-	19.0	F	26.0	-	12.7		5.7
	Source Canability to Meet Beak Daily Demand	5.0	33	17	0.0	F	5.0		20.0	F	5.0	F	5.0
	Storage Canability to Meet Peak Instantaneous Demand	4.0	27	1.7	0.0	F	4.0		_	F	1.0	F	4.0
	Operation & Maintenance	4.0 6.0	-	3.0	0.0	F	4.0 6.0	_	_	F	3.0	F	3.0
Water	Backflow Prevention	1.0	_	-	0.0	F	1.0	_	_	F	1.0	F	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	33	17	0.0	F	5.0	-	-	G	3 3	P	0.0
	Remaining Service Life	5.0	3.3	1.7	0.0	E	5.0	-	-	E	5.0	F	1.7
	SUBTOTAL	26.0	12.7	9.3	0.0	-	26.0	-	26.0	_	21.3	-	14.7
	Municipal System	24.0	-	-	-	-	-	E	24.0	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	Е	4.0	-	-	G	2.7	G	2.7
	Wastewater Design Flow	6.0	4.0	2.0	0.0	Р	0.0	-	-	G	4.0	E	6.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	-	-	G	2.5	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	Р	0.0	-	-	E	3.0	Е	3.0
	Remaining Service Life	6.0	4.0	2.0	0.0	E	6.0	-	-	Р	0.0	G	4.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	12.5	-	24.0	-	12.2	-	18.2
A	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		88.2		85.3		70.8		68.5
							H	ealt	n Ind	ex So	corin	g	
------------	------------------------------------------------------	-------	--------------------------------	------------------------------	-----	-------------------	---------------------	----------------	-------------------	----------------	-------------------	------------	----------------
			Point	Values			9	1	10	1	1	:	12
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Clearwate Rest	er Junction Area	Columb Rest	us (East) Area	Columb Rest	us (West) Area	Co Rest	nrad t Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	F	2.3	G	4.7	E	7.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	E	1.0	E	1.0	G	0.7
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	E	1.0	E	1.0	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	F	0.3	E	1.0	E	1.0	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	E	2.0	E	2.0
	SUBIOTAL	19.0	12.7	6.3	0.0	-	15.7	-	14.3	-	16.7	-	18.0
	Exterior Lighting	2.0	1.3	0.7	0.0	G	1.3	E	2.0	E	2.0	E	2.0
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	E	1.0
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	E	1.0	E	1.0	E	1.0
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	E	2.0	E	2.0	E	2.0
	Site Signage	1.0	0.7	0.3	0.0	G	0.7	E	1.0	E	1.0	E	1.0
		1.0	0.7	0.3	0.0	G	0.7	E	1.0	E	1.0	E	1.0
	SobiotAL	8.0	5.3	2.7	0.0	-	5.7	-	8.0	-	7.7	-	8.0
	Facility Ventilation	2.0	-	-	0.0	с с	2.0	с с	2.0	E E	2.0	E	2.0
		2.0	1.2	0.5	0.0	г с	0.5	с с	2.0	с с	2.0	G	1.2
	Paint	2.0	1.5	0.7	0.0	r C	0.7	с с	2.0	с с	2.0	6	1.5
	Parining Service Life	2.0	1.2	0.5	0.0	G	0.7	с с	2.0	с с	2.0	E	2.0
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	F	0.7	F	2.0	F	2.0	G	1.3
	Restroom Stalls	5.0	2.3	17	0.0	F	5.0	F	5.0	F	5.0	F	5.0
	Roofing	2.0	13	0.7	0.0	G	13	F	2.0	F	2.0	F	2.0
	Siding	2.0	1.3	0.7	0.0	G	1.3	F	2.0	F	2.0	F	2.0
	SUBTOTAL	19.0	11 3	5.7	0.0	-	13.3	-	19.0	-	19.0	-	17.3
	Municipal System	26.0	-	-	-	-	-	-	-	-	-	E	26.0
	Source Canability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0	_	
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	F	1.3	F	1.3	F	1.3	-	-
	Operation & Maintenance	6.0	-	3.0	0.0	F	3.0	E	6.0	Ē	6.0	-	-
Water	Backflow Prevention	1.0	-	_	0.0	Е	1.0	Е	1.0	Е	1.0	-	-
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	G	3.3	Е	5.0	G	3.3	-	-
	Remaining Service Life	5.0	3.3	1.7	0.0	Р	0.0	Е	5.0	Е	5.0	-	-
	SUBTOTAL	26.0	12.7	9.3	0.0	-	13.7	-	23.3	-	21.7	-	26.0
	Municipal System	24.0	-	-	-	-	-	-	-	-	-	E	24.0
	Treatment System	4.0	2.7	1.3	0.0	G	2.7	Е	4.0	E	4.0	-	-
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	Р	0.0	Р	0.0	-	-
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	G	2.5	G	2.5	-	-
	Site Constraints	3.0	2.0	1.0	0.0	E	3.0	Р	0.0	Р	0.0	-	-
	Remaining Service Life	6.0	4.0	2.0	0.0	Р	0.0	E	6.0	E	6.0	-	-
	SUBTOTAL	24.0	15.2	6.3	0.0	-	10.2	-	12.5	-	12.5	-	24.0
Amonitios	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	G	2.7
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	2.7
TOTAL		100.0	59.8	31.7	0.0		62.5		81.2		81.5		96.0

							ŀ	lealt	n Ind	ex So	corin	g	
			Point	Values		1	.3	1	.4	1	15	1	16
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Culbe Rest	ertson Area	Custer Rest	r (East) Area	Custer Rest	(West) Area	Dearbor Rest	n (North) Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	Р	0.0	Р	0.0	E	7.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	Р	0.0	Р	0.0	E	2.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	16.0	-	9.0	-	9.0	-	18.0
	Exterior Lighting	2.0	1.3	0.7	0.0	G	1.3	F	0.7	F	0.7	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	F	0.7	F	0.7	E	2.0
	Site Signage	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
		1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	F	0.3
		8.0	5.3	2./	0.0	-	5.3	-	4.0	-	4.0	-	5.0
	Facility Ventilation	2.0	-	-	0.0	P	0.0	E	2.0	E	2.0	E	2.0
	Floor Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	E	1.0
	Interior Lighting	2.0	1.3	0.7	0.0	F	0.7	г г	0.7		0.7	F F	0.7
	Pallit Pompining Service Life	1.0	0.7	0.3	0.0	G	0.7	г	0.3	F	0.3	E C	1.0
Structure	Restroom Dlumbing Eixturos	2.0	1.5	0.7	0.0	G	1.5	P G	1.2	P G	1.2	G	1.5
	Restroom Stalls	5.0	2.2	17	0.0	E E	5.0	E E	5.0	С Е	5.0	E E	5.0
	Reafing	2.0	5.5 1.2	1.7	0.0	E G	5.0	C C	5.0	E G	5.0	E G	1.2
	Siding	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3	G	1.3
	SUBTOTAL	19.0	11.3	5.7	0.0	0	12.3	-	12.7		12.7	G	15.0
	Municipal System	26.0	11.5	5.7	0.0	F	26.0	-	12.7	-	12.7	-	15.0
	Source Canability to Meet Beak Daily Demand	5.0	33	17	0.0		20.0	F	5.0	F	5.0	F	5.0
	Storage Canability to Meet Peak Instantaneous Demand	4.0	27	13	0.0		_	G	2.7	F	1.0	F	13
	Operation & Maintenance	6.0	-	3.0	0.0	_	_	F	3.0	F	3.0	F	6.0
Water	Backflow Prevention	1.0	_	-	0.0	_	_	F	1.0	F	1.0	F	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	33	17	0.0	-	-	F	5.0	F	5.0	F	5.0
	Remaining Service Life	5.0	3.3	1.7	0.0	-	-	P	0.0	P	0.0	G	3.3
	SUBTOTAL	26.0	12.7	9.3	0.0	-	26.0	-	16.7	-	18.0	-	21.7
	Municipal System	24.0	-	-	-	E	24.0	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	-	-	F	1.3	F	1.3	Е	4.0
	Wastewater Design Flow	6.0	4.0	2.0	0.0	-	-	F	2.0	F	2.0	F	2.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	-	-	Р	0.0	Р	0.0	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	-	-	Е	3.0	Е	3.0	р	0.0
	Remaining Service Life	6.0	4.0	2.0	0.0	-	-	Р	0.0	Р	0.0	G	4.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	24.0	-	6.3	-	6.3	-	12.5
A	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		87.7		52.7		54.0		76.2

							ŀ	lealt	n Ind	ex So	corin	g	
			Point	Values		1	17	1	.8	1	19	2	20
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Dearbor Rest	n (South) Area	Dena Mo Rest	ora (East) Area	Dena Mo Rest	ora (West) : Area	Divide Rest	(North) Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	Р	0.0	Р	0.0	G	4.7
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	E	1.0
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	F	0.3	F	0.3	E	1.0
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	F	0.3	F	0.3	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	E	2.0	E	2.0	E	2.0	Ł	2.0
	SUBIDIAL	19.0	12.7	6.3	0.0	-	18.0	-	10.3	-	10.3	-	16.3
	Exterior Lighting	2.0	1.3	0.7	0.0	F	0.7	G	1.3	G	1.3	E	2.0
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	E	1.0
Cha	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	E	1.0
Site	Sidewalks	2.0	1.3	0.7	0.0	E	2.0		0.7	F	0.7	E	2.0
	Sile Signage	1.0	0.7	0.3	0.0	G	0.7	F	0.3	F	0.3	с г	1.0
		1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7	E	1.0
	Escility Ventilation	8.0	5.3	2.7	0.0	-	2.0	- c	4.3	-	4.3	-	2.0
	Floor Condition	2.0	0.7	-	0.0	с с	2.0	E G	2.0	G	2.0	с с	2.0
		2.0	1.2	0.3	0.0		0.7	E E	0.7	с С	0.7	с С	2.0
	Paint	1.0	0.7	0.7	0.0	F	1.0	G	0.7	Ġ	0.7	F	1.0
	Remaining Service Life	2.0	13	0.3	0.0	G	1.0	G	13	G	13	F	2.0
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	13	F	2.0
	Restroom Stalls	5.0	3 3	17	0.0	F	5.0	F	5.0	F	5.0	F	5.0
	Roofing	2.0	13	0.7	0.0	G	13	G	13	G	13	F	2.0
	Siding	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3	E	2.0
	SUBTOTAL	19.0	11.3	5.7	0.0	-	15.0	-	14.3	-	14.3	-	19.0
	Municipal System	26.0		-	-	-	-	-	-	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	Е	5.0	Е	5.0	Е	5.0	Е	5.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	F	1.3	G	2.7	Е	4.0	Е	4.0
	Operation & Maintenance	6.0	-	3.0	0.0	Е	6.0	F	3.0	F	3.0	Е	6.0
Water	Backflow Prevention	1.0	-	-	0.0	Е	1.0	Е	1.0	Е	1.0	Е	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	Е	5.0	G	3.3	G	3.3	G	3.3
	Remaining Service Life	5.0	3.3	1.7	0.0	G	3.3	G	3.3	G	3.3	Е	5.0
	SUBTOTAL	26.0	12.7	9.3	0.0	-	21.7	-	18.3	-	19.7	-	24.3
	Municipal System	24.0	-	-	-	-	-	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	G	4.0	G	4.0	Е	6.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	Р	0.0	Р	0.0	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	F	1.0	Р	0.0	F	1.0	E	3.0
	Remaining Service Life	6.0	4.0	2.0	0.0	G	4.0	G	4.0	G	4.0	E	6.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	13.5	-	12.0	-	13.0	-	21.5
Amonitios	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		77.5		63.3		65.7		93.2

							ŀ	lealt	n Ind	ex So	corin	g	
			Point	Values		2	1	2	22	2	23	2	24
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Divide Rest	(South) Area	Emig Rest	grant Area	Flowin Rest	g Wells Area	Gold Cre Rest	ek (East) Area*
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	Р	0.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	E	1.0	F	0.3	E	1.0	F	0.3
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	G	0.7	E	1.0	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	E	2.0	Р	0.0	E	2.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	18.7	-	15.7	-	19.0	-	8.7
	Exterior Lighting	2.0	1.3	0.7	0.0	E	2.0	G	1.3	E	2.0	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	F	0.3
	Picnic Areas	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	F	0.3
Site	Sidewalks	2.0	1.3	0.7	0.0	E	2.0	G	1.3	E	2.0	F	0.7
	Site Signage	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	F	0.3
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	Р	0.0
	SUBTOTAL	8.0	5.3	2.7	0.0	-	8.0	-	5.3	-	8.0	-	2.3
	Facility Ventilation	2.0	-	-	0.0	E	2.0	E	2.0	E	2.0	Р	0.0
	Floor Condition	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	F	0.3
	Interior Lighting	2.0	1.3	0.7	0.0	E	2.0	F	0.7	E	2.0	F	0.7
	Paint	1.0	0.7	0.3	0.0	E	1.0	G	0.7	E	1.0	Р	0.0
Structure	Remaining Service Life	2.0	1.3	0.7	0.0	E	2.0	F	0.7	E	2.0	Р	0.0
	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	E	2.0	G	1.3	E	2.0	Р	0.0
	Restroom Stalls	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0	E	5.0
	Roofing	2.0	1.3	0.7	0.0	E	2.0	F	0.7	E	2.0	F	0.7
	Siding	2.0	1.3	0.7	0.0	E	2.0	G	1.3	E	2.0	Р	0.0
	SUBTOTAL	19.0	11.3	5.7	0.0	-	19.0	-	13.0	-	19.0	-	6.7
	Municipal System	26.0	-	-	-	-	-	-	-	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0	Р	0.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	E	4.0	F	1.3	F	1.3	F	1.3
Water	Operation & Maintenance	6.0	-	3.0	0.0	E	6.0	F	3.0	E	6.0	Р	0.0
water	Backflow Prevention	1.0	-	-	0.0	E	1.0	E	1.0	E	1.0	E	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	G	3.3	F	1.7	E	5.0	G	3.3
	Remaining Service Life	5.0	3.3	1.7	0.0	E	5.0	Р	0.0	E	5.0	Р	0.0
	SUBTOTAL	26.0	12.7	9.3	0.0	-	24.3	-	12.0	-	23.3	-	5.7
	Municipal System	24.0	-	-	-	-	-	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	E	4.0	G	2.7	E	4.0	G	2.7
	Wastewater Design Flow	6.0	4.0	2.0	0.0	E	6.0	G	4.0	G	4.0	F	2.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	G	2.5	G	2.5	Р	0.0
	Site Constraints	3.0	2.0	1.0	0.0	E	3.0	Р	0.0	G	2.0	Р	0.0
	Remaining Service Life	6.0	4.0	2.0	0.0	E	6.0	Р	0.0	E	6.0	Р	0.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	21.5	-	9.2	-	18.5	-	4.7
Amonitios	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	G	2.7
Anendes	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	2.7
TOTAL		100.0	59.8	31.7	0.0		95.5		59.2		91.8		30.7

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

							ŀ	lealt	n Ind	ex So	corin	g	
			Point	Values		2	!5	2	26	2	27	2	28
Element			(0-1) E: Excellen F: Fair	100) t G: Good P: Poor		Gold Cre Rest	ek (West) Area*	Greycli Rest	ff (East) Area	Greyclif Rest	f (West) Area	Hardi Rest	n (East) : Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	Р	0.0	E	7.0	E	7.0	Р	0.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7	F	0.3
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	F	0.3	F	0.3	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	E	2.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	8.7	-	17.3	-	17.7	-	8.7
	Exterior Lighting	2.0	1.3	0.7	0.0	F	0.7	G	1.3	G	1.3	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	F	0.3	G	0.7	F	0.3	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	F	0.7	G	1.3	G	1.3	G	1.3
	Site Signage	1.0	0.7	0.3	0.0	F	0.3	E	1.0	G	0.7	G	0.7
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	Р	0.0	E	1.0	E	1.0	G	0.7
	SUBTOTAL	8.0	5.3	2.7	0.0	-	2.3	-	6.0	-	5.3	-	4.7
	Facility Ventilation	2.0	-	-	0.0	Р	0.0	E	2.0	E	2.0	E	2.0
	Floor Condition	1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7	G	0.7
	Interior Lighting	2.0	1.3	0.7	0.0	F	0.7	E	2.0	G	1.3	G	1.3
	Paint	1.0	0.7	0.3	0.0	Р	0.0	G	0.7	G	0.7	F	0.3
Structure	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	E	2.0	Р	0.0
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	Р	0.0	G	1.3	G	1.3	G	1.3
	Restroom Stalls	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0	E	5.0
	Roofing	2.0	1.3	0.7	0.0	F	0.7	G	1.3	G	1.3	F	0.7
	Siding	2.0	1.3	0.7	0.0	Р	0.0	G	1.3	G	1.3	G	1.3
	SUBTOTAL	19.0	11.3	5.7	0.0	-	6.7	-	16.3	-	15.7	-	12.7
	Municipal System	26.0	-	-	-	-	-	-	-	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	Р	0.0	E	5.0	E	5.0	Р	0.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	Р	0.0	E	4.0	E	4.0	F	1.3
Water	Operation & Maintenance	6.0	-	3.0	0.0	Р	0.0	E	6.0	E	6.0	F	3.0
water	Backflow Prevention	1.0	-	-	0.0	E	1.0	E	1.0	E	1.0	E	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	F	1.7	G	3.3	G	3.3	G	3.3
	Remaining Service Life	5.0	3.3	1.7	0.0	Р	0.0	G	3.3	G	3.3	G	3.3
	SUBTOTAL	26.0	12.7	9.3	0.0	-	2.7	-	22.7	-	22.7	-	12.0
	Municipal System	24.0	-	-	-	-	-	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	F	1.3	E	4.0	E	4.0	F	1.3
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	Р	0.0	Р	0.0	F	2.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	Р	0.0	G	2.5	G	2.5	Р	0.0
	Site Constraints	3.0	2.0	1.0	0.0	Р	0.0	Р	0.0	Р	0.0	E	3.0
	Remaining Service Life	6.0	4.0	2.0	0.0	Р	0.0	G	4.0	G	4.0	G	4.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	3.3	-	10.5	-	10.5	-	10.3
Amonitios	Number of Amenities	4.0	2.7	1.3	0.0	G	2.7	E	4.0	E	4.0	E	4.0
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	2.7	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		26.3		76.8		75.8		52.3

*Note: Gold Creek was a rest area at the time of data collection; programmed to be reconstructed as parking area (UPN 9253 001, anticipated let date June 2019).

							ŀ	lealt	n Ind	ex So	corin	g	
			Point	Values		2	9	3	0	3	31	3	32
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Hardin Rest	(West) Area	Harlo Rest	owton Area	Hathaw Rest	ay (East) Area	Hathaw Rest	ay (West) : Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	F	2.3	E	7.0	Р	0.0	F	2.3
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	F	0.3	G	0.7
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	F	0.3	F	0.3	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	Р	0.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	11.3	-	17.7	-	8.3	-	11.3
	Exterior Lighting	2.0	1.3	0.7	0.0	F	0.7	G	1.3	F	0.7	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	F	0.3	F	0.3
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	G	1.3	F	0.7	G	1.3
	Site Signage	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	SUBIDIAL	8.0	5.3	2.7	0.0	-	4.7	-	5.3	-	3.7	-	4.3
	Facility Ventilation	2.0	-	-	0.0	E	2.0	Р	0.0	E	2.0	E	2.0
	Floor Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
	Interior Lighting	2.0	1.3	0.7	0.0	G	1.3	F	0.7	F	0.7	F	0.7
	Paint	1.0	0.7	0.3	0.0	F	0.3	F	0.3	G	0.7	G	0.7
Structure	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	G	1.3	Р	0.0	Р	0.0
	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3	G	1.3
	Restroom Stalls	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0	E	5.0
	Roofing	2.0	1.3	0.7	0.0	F	0.7	G	1.3	G	1.3	G	1.3
	Siding	2.0	1.3	0.7	0.0	G	1.3	F	0.7	G	1.3	G	1.3
	SUBTOTAL	19.0	11.3	5.7	0.0	-	12.7	-	11.3	-	13.0	-	13.0
	Municipal System	26.0	-	-	-	-	-	E	26.0	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	Р	0.0	-	-	E	5.0	E	5.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	F	1.3	-	-	F	1.3	F	1.3
Water	Operation & Maintenance	6.0	-	3.0	0.0	F	3.0	-	-	F	3.0	F	3.0
	Backflow Prevention	1.0	-	-	0.0	E	1.0	-	-	E	1.0	E	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	G	3.3	-	-	F	1.7	F	1.7
	Remaining Service Life	5.0	3.3	1.7	0.0	G	3.3	-	-	Р	0.0	G	3.3
	SUBTOTAL	26.0	12.7	9.3	0.0	-	12.0	-	26.0	-	12.0	-	15.3
	Municipal System	24.0	-	-	-	-	-	E	24.0	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	F	1.3	-	-	G	2.7	G	2.7
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	-	-	G	4.0	G	4.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	Р	0.0	-	-	G	2.5	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	E	3.0	-	-	E	3.0	E	3.0
	Remaining Service Life	6.0	4.0	2.0	0.0	G	4.0	-	-	Р	0.0	Р	0.0
	SUBIOTAL	24.0	15.2	6.3	0.0	-	10.3	-	24.0	-	12.2	-	12.2
Amenities	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		55.0		88.3		53.2		60.2

							ŀ	lealt	n Ind	ex S	corin	g	
			Point	Values		з	3	3	4	3	35	3	36
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Hyshar Rest	n (East) Area	Hyshan Rest	n (West) Area	Jefferson Rest	City (North) : Area	Jefferson Rest	City (South) : Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	G	4.7
	Truck Parking Stalls	7.0	4.7	2.3	0.0	Р	0.0	Р	0.0	Р	0.0	Р	0.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	E	1.0	E	1.0	F	0.3	G	0.7
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	G	0.7
	Remaining Service Life	2.0	1.3	0.7	0.0	E	2.0	E	2.0	Р	0.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	12.0	-	12.0	-	8.7	-	6.7
	Exterior Lighting	2.0	1.3	0.7	0.0	E	2.0	E	2.0	F	0.7	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	E	1.0	E	1.0	Р	0.0	F	0.3
Site	Sidewalks	2.0	1.3	0.7	0.0	E F	2.0	E	2.0	F	0.7	F	0.7
	Site Signage	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	F	0.3
	Exterior Waste Receptacies	1.0	0.7	0.3	0.0	E	1.0	E	1.0	G	0.7	G	0.7
		8.0	5.3	2./	0.0	•	8.0	-	8.0	-	3.3	-	3.3
	Facility Ventilation	2.0	-	-	0.0	E	2.0	E	2.0	P	0.0	P	0.0
	Floor Condition	1.0	0.7	0.3	0.0	E	1.0	E	1.0	F	0.3		0.3
	Interior Lighting	2.0	1.3	0.7	0.0		2.0		2.0	F	0.7		0.7
	Pallit Romaining Service Life	1.0	0.7	0.3	0.0		2.0	с с	1.0	F D	0.3		0.3
Structure	Remaining Service Life	2.0	1.5	0.7	0.0		2.0	с с	2.0	P C	0.0	P	0.0
	Restroom Stalls	2.0	1.5	17	0.0	с с	2.0		2.0	6	1.5	Р С	0.0 E 0
	Restroom stans	3.0	3.5	1.7	0.0	с с	2.0		3.0		5.0	C C	5.0
	Siding	2.0	1.5	0.7	0.0	с с	2.0	с с	2.0	G E	1.5	G	1.5
	SUBTOTAL	10.0	11.2	5.7	0.0	L	10.0	L	10.0		0.7	1	0.7
	Municipal System	26.0	11.5	5.7	0.0	-	19.0	-	19.0	-	5.7	-	0.5
	Source Capability to Most Boak Daily Demand	5.0	33	17	0.0	F	5.0	F	5.0	F	5.0	F	5.0
	Storage Capability to Meet Peak Daily Demand	1.0	2.5	1.7	0.0	G	2.7	с С	1.2	с С	1.0		1.0
	Operation & Maintenance	4.0 6.0	2.7	3.0	0.0	F	6.0	F	6.0	F	3.0	F	3.0
Water	Backflow Prevention	1.0	_	-	0.0	F	1.0	F	1.0	F	1.0	F	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	33	17	0.0	F	5.0	F	5.0	F	1.0	G	3 3
	Remaining Service Life	5.0	3.3	1.7	0.0	E	5.0	E	5.0	P	0.0	P	0.0
	SUBTOTAL	26.0	12.7	9.3	0.0	-	24.7	-	23.3	_	14.7	-	16.3
	Municipal System	24.0		-	-	-	-	-		-	-	-	
	Treatment System	4.0	2.7	1.3	0.0	Е	4.0	Е	4.0	F	1.3	F	1.3
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	F	2.0	F	2.0	F	2.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	G	2.5	G	2.5	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	Р	0.0	Р	0.0	Е	3.0	Е	3.0
	Remaining Service Life	6.0	4.0	2.0	0.0	E	6.0	Е	6.0	Р	0.0	Р	0.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	14.5	-	14.5	-	8.8	-	8.8
A	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		82.2		80.8		49.2		47.5

							ŀ	lealt	n Ind	ex So	corin	g	
			Point	Values		3	57	3	8	3	9	4	10
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Liı Rest	ma Area	Lost Tr Rest	ail Pass Area	Mc Rest	osby Area	Quartz F Rest	lats (East) Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	F	2.3	E	7.0	Р	0.0	Р	0.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	F	0.3
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	F	0.3	F	0.3	G	0.7	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	F	0.3
	Remaining Service Life	2.0	1.3	0.7	0.0	G	1.3	Р	0.0	F	0.7	Р	0.0
	SUBIOTAL	19.0	12.7	6.3	0.0	-	12.3	-	15.7	-	9.7	-	8.3
	Exterior Lighting	2.0	1.3	0.7	0.0	F	0.7	F	0.7	G	1.3	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
Cha	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	E	2.0	G	1.3	F	0.7	G	1.3
	Site Signage	1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	F	0.3
		1.0	0.7	0.3	0.0	E	1.0	G	0.7	G	0.7	F	0.3
	Sobioral Facility Ventilation	8.0	5.3	2.7	0.0	-	0.0	-	4.7	-	4.7	-	4.0
		2.0	0.7	-	0.0		2.0	E	2.0	P C	0.0	P F	0.0
		2.0	1.2	0.5	0.0		1.0	G E	0.7	G E	0.7	r c	0.5
	Paint	2.0	0.7	0.7	0.0	, ,	1.0	Ġ	0.7	Ġ	0.7	г Г	0.7
	Remaining Service Life	2.0	13	0.3	0.0	G	1.0	G	13	G	13	D	0.3
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	F	2.0	G	1.3	G	1.3	P	0.0
	Restroom Stalls	5.0	3 3	17	0.0	F	5.0	F	5.0	F	5.0	F	5.0
	Roofing	2.0	13	0.7	0.0	F	2.0	G	13	G	13	F	0.7
	Siding	2.0	1.3	0.7	0.0	F	2.0	G	13	G	1.3	F	0.7
	SUBTOTAL	19.0	11.3	5.7	0.0	-	17.0	-	14.3	-	12.3	-	7.7
	Municipal System	26.0	-	-	-	E	26.0	-	-	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	-	-	Е	5.0	F	1.7	Е	5.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	-	-	Е	4.0	F	1.3	Е	4.0
	Operation & Maintenance	6.0	-	3.0	0.0	-	-	F	3.0	F	3.0	F	3.0
Water	Backflow Prevention	1.0	-	-	0.0	-	-	Е	1.0	Е	1.0	Е	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	-	-	G	3.3	G	3.3	F	1.7
	Remaining Service Life	5.0	3.3	1.7	0.0	-	-	Р	0.0	F	1.7	G	3.3
	SUBTOTAL	26.0	12.7	9.3	0.0	-	26.0	-	16.3	-	12.0	-	18.0
	Municipal System	24.0	-	-	-	-	-	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	E	4.0	G	2.7	G	2.7	F	1.3
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	E	6.0	F	2.0	F	2.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	G	2.5	Р	0.0	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	E	3.0	E	3.0	Р	0.0	F	1.0
	Remaining Service Life	6.0	4.0	2.0	0.0	G	4.0	Р	0.0	G	4.0	Р	0.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	15.5	-	14.2	-	8.7	-	6.8
Amenities	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0	E	4.0
entres	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		80.8		69.2		51.3		48.8

						ŀ	lealt	n Ind	ex So	corin	g
			Point	Values		4	1		42		43
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Quartz Fl Rest	ats (West) Area	Rayno Rest	lds Pass t Area	Ro Res	berts t Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	Р	0.0	E	7.0	E	7.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	F	0.3	E	1.0	F	0.3
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	F	0.3	G	0.7	F	0.3
	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	8.0	-	18.3	-	15.3
	Exterior Lighting	2.0	1.3	0.7	0.0	F	0.7	E	2.0	F	0.7
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	E	1.0	F	0.3
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	E	2.0	F	0.7
	Site Signage	1.0	0.7	0.3	0.0	F	0.3	E	1.0	G	0.7
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	G	0.7	E	1.0	F	0.3
	SUBTOTAL	8.0	5.3	2.7	0.0	-	4.3	-	7.7	-	3.3
	Facility Ventilation	2.0	-	-	0.0	Р	0.0	E	2.0	Р	0.0
	Floor Condition	1.0	0.7	0.3	0.0	F	0.3	E	1.0	F	0.3
	Interior Lighting	2.0	1.3	0.7	0.0	F	0.7	E	2.0	F	0.7
	Paint	1.0	0.7	0.3	0.0	F	0.3	E	1.0	F	0.3
Ctructure	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	Р	0.0
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	Р	0.0	E	2.0	F	0.7
	Restroom Stalls	5.0	3.3	1.7	0.0	E	5.0	E	5.0	E	5.0
	Roofing	2.0	1.3	0.7	0.0	F	0.7	E	2.0	F	0.7
	Siding	2.0	1.3	0.7	0.0	F	0.7	E	2.0	F	0.7
	SUBTOTAL	19.0	11.3	5.7	0.0	-	7.7	-	19.0	-	8.3
	Municipal System	26.0	-	-	-	-	-	-	-	-	-
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	E	5.0	E	5.0	Р	0.0
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	E	4.0	F	1.3	F	1.3
Matar	Operation & Maintenance	6.0	-	3.0	0.0	F	3.0	E	6.0	F	3.0
water	Backflow Prevention	1.0	-	-	0.0	E	1.0	E	1.0	E	1.0
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	F	1.7	G	3.3	G	3.3
	Remaining Service Life	5.0	3.3	1.7	0.0	Р	0.0	E	5.0	Р	0.0
	SUBTOTAL	26.0	12.7	9.3	0.0	-	14.7	-	21.7	-	8.7
	Municipal System	24.0	-	-	-	-	-	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	F	1.3	E	4.0	F	1.3
	Wastewater Design Flow	6.0	4.0	2.0	0.0	F	2.0	Р	0.0	F	2.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	G	2.5	G	2.5
	Site Constraints	3.0	2.0	1.0	0.0	F	1.0	E	3.0	Р	0.0
	Remaining Service Life	6.0	4.0	2.0	0.0	Р	0.0	E	6.0	Р	0.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	6.8	-	15.5	-	5.8
Amenities	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	F	1.3
Amenities	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	1.3
TOTAL		100.0	59.8	31.7	0.0		45.5		86.2		42.8

						ŀ	lealt	n Ind	ex So	corin	g
			Point	Values		4	4		45		46
Element			(0-: E: Excellen F: Fair	100) t G: Good P: Poor		Sweet Rest	t Grass Area	Teton Ri Res	ver (North) t Area	Teton Riv Res	ver (South) t Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls Truck Parking Stalls	7.0 7.0	4.7 4.7	2.3 2.3	0.0 0.0	E P	7.0 0.0	E	7.0 7.0	E	7.0 7.0
	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
Parking &	Pavement Condition	1.0	0.7	0.3	0.0	F	0.3	G	0.7	G	0.7
Pavement	Pavement Striping Quality	1.0	0.7	0.3	0.0	F	0.3	F	0.3	F	0.3
	Remaining Service Life	2.0	1.3	0.7	0.0	F	0.7	E	2.0	E	2.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	9.0	-	17.7	-	17.7
	Exterior Lighting	2.0	1.3	0.7	0.0	G	1.3	F	0.7	E	2.0
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3
	Site Signage	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	G	0.7	G	0.7	Е	1.0
	SUBTOTAL	8.0	5.3	2.7	0.0	-	5.3	-	4.7	-	6.3
	Facility Ventilation	2.0	-	-	0.0	E	2.0	E	2.0	E	2.0
	Floor Condition	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
	Interior Lighting	2.0	1.3	0.7	0.0	F	0.7	F	0.7	F	0.7
	Paint	1.0	0.7	0.3	0.0	G	0.7	E	1.0	Е	1.0
. .	Remaining Service Life	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	E	2.0	G	1.3	G	1.3
	Restroom Stalls	5.0	3.3	1.7	0.0	Е	5.0	Е	5.0	E	5.0
	Roofing	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3
	Siding	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3
	SUBTOTAL	19.0	11.3	5.7	0.0	-	15.0	-	14.7	-	14.7
	Municipal System	26.0	-	-	-	E	26.0	E	26.0	E	26.0
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	-	-	-	-	-	-
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	-	-	-	-	-	-
Wator	Operation & Maintenance	6.0	-	3.0	0.0	-	-	-	-	-	-
water	Backflow Prevention	1.0	-	-	0.0	-	-	-	-	-	-
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	-	-	-	-	-	-
	Remaining Service Life	5.0	3.3	1.7	0.0	-	-	-	-	-	-
	SUBTOTAL	26.0	12.7	9.3	0.0	-	26.0	-	26.0	-	26.0
	Municipal System	24.0	-	-	-	E	24.0	-	-	-	-
	Treatment System	4.0	2.7	1.3	0.0	-	-	G	2.7	G	2.7
	Wastewater Design Flow	6.0	4.0	2.0	0.0	-	-	E	6.0	E	6.0
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	-	-	Р	0.0	Р	0.0
	Site Constraints	3.0	2.0	1.0	0.0	-	-	E	3.0	E	3.0
	Remaining Service Life	6.0	4.0	2.0	0.0	-	-	G	4.0	G	4.0
	SUBTOTAL	24.0	15.2	6.3	0.0	-	24.0	-	15.7	-	15.7
Amenities	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0
Amenices	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		83.3		82.7		84.3

						ŀ	lealt	n Ind	ex So	corin	g
			Point	Values		4	17	4	18		49
Element			-0) E: Exceller F: Fair	100) it G: Good P: Poor		Tr Rest	roy Area	Van Rest	dalia Area	Wi Res	baux t Area
		E	G	F	Р	Value	Score	Value	Score	Value	Score
	Passenger Vehicle Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	E	7.0
	Truck Parking Stalls	7.0	4.7	2.3	0.0	E	7.0	E	7.0	Р	0.0
Parking &	Drainage Condition	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7
Pavement	Pavement Condition	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7
	Pavement Striping Quality	1.0	0.7	0.3	0.0	G	0.7	F	0.3	E	1.0
	Remaining Service Life	2.0	1.3	0.7	0.0	Р	0.0	Р	0.0	Р	0.0
	SUBTOTAL	19.0	12.7	6.3	0.0	-	16.0	-	15.0	-	9.3
	Exterior Lighting	2.0	1.3	0.7	0.0	F	0.7	F	0.7	G	1.3
	Landscaping/Lawn Areas	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7
	Picnic Areas	1.0	0.7	0.3	0.0	G	0.7	F	0.3	G	0.7
Site	Sidewalks	2.0	1.3	0.7	0.0	G	1.3	F	0.7	G	1.3
	Site Signage	1.0	0.7	0.3	0.0	Р	0.0	G	0.7	G	0.7
	Exterior Waste Receptacles	1.0	0.7	0.3	0.0	G	0.7	G	0.7	G	0.7
	SUBTOTAL	8.0	5.3	2.7	0.0	-	4.0	-	3.3	-	5.3
	Facility Ventilation	2.0	-	-	0.0	Р	0.0	Р	0.0	E	2.0
	Floor Condition	1.0	0.7	0.3	0.0	F	0.3	F	0.3	G	0.7
	Interior Lighting	2.0	1.3	0.7	0.0	F	0.7	Р	0.0	G	1.3
	Paint	1.0	0.7	0.3	0.0	F	0.3	F	0.3	G	0.7
Structuro	Remaining Service Life	2.0	1.3	0.7	0.0	F	0.7	Р	0.0	G	1.3
Structure	Restroom Plumbing Fixtures	2.0	1.3	0.7	0.0	F	0.7	F	0.7	G	1.3
	Restroom Stalls	5.0	3.3	1.7	0.0	E	5.0	E	5.0	G	3.3
	Roofing	2.0	1.3	0.7	0.0	G	1.3	G	1.3	G	1.3
	Siding	2.0	1.3	0.7	0.0	G	1.3	F	0.7	G	1.3
	SUBTOTAL	19.0	11.3	5.7	0.0	-	10.3	-	8.3	-	13.3
	Municipal System	26.0	-	-	-	-	-	-	-	E	26.0
	Source Capability to Meet Peak Daily Demand	5.0	3.3	1.7	0.0	E	5.0	Р	0.0	-	-
	Storage Capability to Meet Peak Instantaneous Demand	4.0	2.7	1.3	0.0	F	1.3	F	1.3	-	-
Water	Operation & Maintenance	6.0	-	3.0	0.0	F	3.0	F	3.0	-	-
water	Backflow Prevention	1.0	-	-	0.0	E	1.0	E	1.0	-	-
	Source Quality (Transient Non-Community Stds.)	5.0	3.3	1.7	0.0	E	5.0	G	3.3	-	-
	Remaining Service Life	5.0	3.3	1.7	0.0	Р	0.0	Р	0.0	-	-
	SUBTOTAL	26.0	12.7	9.3	0.0	-	15.3	-	8.7	-	26.0
	Municipal System	24.0	-	-	-	-	-	- 1	-	-	24.0
	Treatment System	4.0	2.7	1.3	0.0	G	2.7	G	2.7	-	-
	Wastewater Design Flow	6.0	4.0	2.0	0.0	E	6.0	E	6.0	-	-
Wastewater	Operation & Maintenance	5.0	2.5	-	0.0	G	2.5	Р	0.0	-	-
	Site Constraints	3.0	2.0	1.0	0.0	E	3.0	E	3.0	-	-
	Remaining Service Life	6.0	4.0	2.0	0.0	Р	0.0	Р	0.0	-	-
	SUBTOTAL	24.0	15.2	6.3	0.0	-	14.2	-	11.7	-	24.0
Amenities	Number of Amenities	4.0	2.7	1.3	0.0	E	4.0	E	4.0	E	4.0
Allendes	SUBTOTAL	4.0	2.7	1.3	0.0	-	4.0	-	4.0	-	4.0
TOTAL		100.0	59.8	31.7	0.0		63.8		51.0		82.0

					ŀ	lealt	n Ind	ex So	corin	g
		Po	oint Valu	es	:	1	2	2	Ę	3
Element		F: F	(0-22) G: Good air P: P	oor	Alberto Parkin	on (East) Ig Area	Alberto Parkin	n (West) g Area	Barr Parkin	etts g Area
		G	F	Р	Value	Score	Value	Score	Value	Score
	Drainage Condition	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
Davomant	Pavement Condition	1.0	0.5	0.0	G	1.0	F	0.5	G	1.0
Pavement	Pavement Striping Quality	1.0	0.5	0.0	F	0.5	F	0.5	F	0.5
	SUBTOTAL	3.0	1.5	0.0	-	2.5	-	2.0	-	2.5
	Exterior Lighting	2.0	1.0	0.0	Р	0.0	Р	0.0	Р	0.0
	Landscaping/Lawn Areas	1.0	0.5	0.0	G	1.0	G	1.0	F	0.5
	Picnic Areas	1.0	0.5	0.0	Р	0.0	Р	0.0	Р	0.0
Site	Sidewalks	2.0	1.0	0.0	F	1.0	Р	0.0	Р	0.0
	Site Signage	1.0	0.5	0.0	Р	0.0	G	1.0	G	1.0
	Exterior Waste Receptacles	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	SUBTOTAL	8.0	4.0	0.0	-	3.0	-	3.0	-	2.5
Water	Operation & Maintenance	6.0	3.0	0.0	Р	0.0	Р	0.0	Р	0.0
System	SUBTOTAL	6.0	3.0	0.0	-	0.0	-	0.0	-	0.0
Vaulted	Operation & Maintenance	5.0	2.5	0.0	F	2.5	F	2.5	Р	0.0
Toilets	SUBTOTAL	5.0	2.5	0.0	-	2.5	-	2.5	-	0.0
TOTAL		22.0	11.0	0.0	-	8.0	-	7.5	-	5.0

					ŀ	lealt	h Ind	ex So	orin	g
		Po	oint Valu	es		4	!	5	(5
Element		F: F	(0-22) G: Good air P: P	oor	Dup Parkin	uyer Ig Area	Homestake Parkin	Pass (East) g Area	Homesta (Wo Parkin	ake Pass est) g Area
		G	F	Р	Value	Score	Value	Score	Value	Score
	Drainage Condition	1.0	0.5	0.0	F	0.5	G	1.0	G	1.0
Pavamont	Pavement Condition	1.0	0.5	0.0	F	0.5	G	1.0	G	1.0
ravement	Pavement Striping Quality	1.0	0.5	0.0	Р	0.0	G	1.0	G	1.0
	SUBTOTAL	3.0	1.5	0.0	-	1.0	-	3.0	-	3.0
	Exterior Lighting	2.0	1.0	0.0	F	1.0	F	1.0	F	1.0
	Landscaping/Lawn Areas	1.0	0.5	0.0	G	1.0	G	1.0	F	0.5
	Picnic Areas	1.0	0.5	0.0	F	0.5	Р	0.0	Р	0.0
Site	Sidewalks	2.0	1.0	0.0	G	2.0	Р	0.0	Р	0.0
	Site Signage	1.0	0.5	0.0	F	0.5	G	1.0	G	1.0
	Exterior Waste Receptacles	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	SUBTOTAL	8.0	4.0	0.0	-	6.0	-	4.0	-	3.5
Water	Operation & Maintenance	6.0	3.0	0.0	Р	0.0	F	3.0	Р	0.0
System	SUBTOTAL	6.0	3.0	0.0	-	0.0	-	3.0	-	0.0
Vaulted	Operation & Maintenance	5.0	2.5	0.0	G	5.0	G	5.0	F	2.5
Toilets	SUBTOTAL	5.0	2.5	0.0	-	5.0	-	5.0	-	2.5
TOTAL		22.0	11.0	0.0	-	12.0	-	15.0	-	9.0

					ŀ	lealt	n Ind	ex So	corin	g
		Po	oint Valu	es	-	7	:	8	9	÷
Element		F: F	(0-22) G: Good air P: P	oor	Livingsto Parkin	on (East) ng Area	Loo Parkin	cate ng Area	Lyon's Cre Parkin	ek (North) g Area
		G	F	Р	Value	Score	Value	Score	Value	Score
	Drainage Condition	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
Davomant	Pavement Condition	1.0	0.5	0.0	G	1.0	F	0.5	F	0.5
Pavement	Pavement Striping Quality	1.0	0.5	0.0	G	1.0	Р	0.0	F	0.5
	SUBTOTAL	3.0	1.5	0.0	-	3.0	-	1.5	-	2.0
	Exterior Lighting	2.0	1.0	0.0	F	1.0	F	1.0	Р	0.0
	Landscaping/Lawn Areas	1.0	0.5	0.0	G	1.0	F	0.5	F	0.5
	Picnic Areas	1.0	0.5	0.0	Р	0.0	Р	0.0	Р	0.0
Site	Sidewalks	2.0	1.0	0.0	G	2.0	F	1.0	F	1.0
	Site Signage	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	Exterior Waste Receptacles	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	SUBTOTAL	8.0	4.0	0.0	-	6.0	-	4.5	-	3.5
Water	Operation & Maintenance	6.0	3.0	0.0	F	3.0	F	3.0	Р	0.0
System	SUBTOTAL	6.0	3.0	0.0	-	3.0	-	3.0	-	0.0
Vaulted	Operation & Maintenance	5.0	2.5	0.0	Р	0.0	F	2.5	F	2.5
Toilets	SUBTOTAL	5.0	2.5	0.0	-	0.0	-	2.5	-	2.5
TOTAL		22.0	11.0	0.0	-	12.0	-	11.5	-	8.0

					F	lealth	n Ind	ex So	corin	9
		Po	oint Valu	es	1	0	1	1	1	2
Element		F: F	(0-22) G: Good air P: P	oor	Lyon's Cre Parkin	ek (South) g Area	Red Rock Parkin	s (North) g Area	Red Rock Parkin	s (South) g Area
		G	F	Р	Value	Score	Value	Score	Value	Score
	Drainage Condition	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
Pavamont	Pavement Condition	1.0	0.5	0.0	F	0.5	F	0.5	F	0.5
Pavement	Pavement Striping Quality	1.0	0.5	0.0	F	0.5	F	0.5	F	0.5
	SUBTOTAL	3.0	1.5	0.0	-	2.0	-	2.0	-	2.0
	Exterior Lighting	2.0	1.0	0.0	Р	0.0	F	1.0	F	1.0
	Landscaping/Lawn Areas	1.0	0.5	0.0	F	0.5	F	0.5	F	0.5
	Picnic Areas	1.0	0.5	0.0	Р	0.0	Р	0.0	Р	0.0
Site	Sidewalks	2.0	1.0	0.0	F	1.0	Р	0.0	Р	0.0
	Site Signage	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	Exterior Waste Receptacles	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	SUBTOTAL	8.0	4.0	0.0	-	3.5	-	3.5	-	3.5
Water	Operation & Maintenance	6.0	3.0	0.0	Р	0.0	Р	0.0	Р	0.0
System	SUBTOTAL	6.0	3.0	0.0	-	0.0	-	0.0	-	0.0
Vaulted	Operation & Maintenance	5.0	2.5	0.0	F	2.5	F	2.5	F	2.5
Toilets	SUBTOTAL	5.0	2.5	0.0	-	2.5	-	2.5	-	2.5
TOTAL		22.0	11.0	0.0	-	8.0	-	8.0	-	8.0

					H	lealth	n Inde	ex Sc	oring	g
		Po	oint Valu	es	1	3	1	.4	1	5
Element		F: F	(0-22) G: Good air P: P	oor	Rock Cre Parkin	ek (East) g Area	Rock Cre Parkin	ek (West) g Area	Vista	Point
		G	F	Р	Value	Score	Value	Score	Value	Score
	Drainage Condition	1.0	0.5	0.0	Р	0.0	F	0.5	F	0.5
Davomant	Pavement Condition	1.0	0.5	0.0	F	0.5	F	0.5	G	1.0
Favement	Pavement Striping Quality	1.0	0.5	0.0	F	0.5	F	0.5	G	1.0
	SUBTOTAL	3.0	1.5	0.0	-	1.0	-	1.5	-	2.5
	Exterior Lighting	2.0	1.0	0.0	F	1.0	F	1.0	Р	0.0
	Landscaping/Lawn Areas	1.0	0.5	0.0	F	0.5	F	0.5	G	1.0
	Picnic Areas	1.0	0.5	0.0	Р	0.0	Р	0.0	Р	0.0
Site	Sidewalks	2.0	1.0	0.0	F	1.0	F	1.0	G	2.0
	Site Signage	1.0	0.5	0.0	G	1.0	G	1.0	G	1.0
	Exterior Waste Receptacles	1.0	0.5	0.0	G	1.0	G	1.0	F	0.5
	SUBTOTAL	8.0	4.0	0.0	-	4.5	-	4.5	-	4.5
Water	Operation & Maintenance	6.0	3.0	0.0	Р	0.0	Р	0.0	Р	0.0
System	SUBTOTAL	6.0	3.0	0.0	-	0.0	-	0.0	-	0.0
Vaulted	Operation & Maintenance	5.0	2.5	0.0	F	2.5	F	2.5	G	5.0
Toilets	SUBTOTAL	5.0	2.5	0.0	-	2.5	-	2.5	-	5.0
TOTAL		22.0	11.0	0.0	-	8.0	-	8.5	-	12.0

			Scoring Definitions - Rest Areas
Element		Score	Definition
		7.00	Excellent: Meets future 2036 demand (and current demand).
	Passenger Vehicle Parking	4.67	Good: Meets current 2016 demand.
	Stalls	2.33	Fair: Meets 85 percent of current 2016 demand.
		0.00	Poor: Meets less than 85 percent of current 2016 demand.
		7.00	Excellent: Meets future 2036 demand (and current demand).
	Truck Parking Stalls	4.67	Good: Meets current 2016 demand.
	TTUCK Parking Stalls	2.33	Fair: Meets 85 percent of current 2016 demand.
		0.00	Poor: Meets less than 85 percent of current 2016 demand.
		1.00	Excellent: New parking area, no ponding or flat areas.
	Drainage Condition	0.67	Good: No ponding or flat areas.
	Drainage Condition	0.33	Fair: Some ponding and flat areas.
Parking &		0.00	Poor: Ponding or large areas of water retention.
Pavement		1.00	Excellent: New pavement, no cracking or rutting.
	Payament Condition	0.67	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
		0.33	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
		0.00	Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
		1.00	Excellent: New, excellent condition.
	Pavement Strining Quality	0.67	Good: Functional, adequate coverage.
	Pavement Striping Quanty	0.33	Fair: Functional, some deterioration.
		0.00	Poor: Non-functional and deteriorated.
		2.00	Excellent: 16 to 20 years remaining.
	Remaining Service Life	1.33	Good: 11 to 15 years remaining.
	Remaining Service Life	0.67	Fair: 6 to 10 years remaining.
		0.00	Poor: 0 to 5 years remaining.

			Scoring Definitions - Rest Areas
Element		Score	Definition
		2.00	Excellent: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	1.33	Good: High pressure sodium lighting provided for all 4 areas.
	Exterior Lighting	0.67	Fair: High pressure sodium lighting provided for 2-3 areas.
		0.00	Poor: No exterior lighting.
		1.00	Excellent: New landscaping, plants/grass alive and healthy.
	Landscaning/Lawn Areas	0.67	Good: Plants/grass are alive & appear healthy.
	Lanuscaping/Lawir Areas	0.33	Fair: Plants/grass are alive but do not appear healthy.
		0.00	Poor: Plants/grass are not alive.
		1.00	Excellent: New picnic facilities, excellent condition.
	Dicpic Areas	0.67	Good: Functional, well-maintained, clean.
	FICHIC ALCOS	0.33	Fair: Functional, some maintenance/cleaning required.
Cito		0.00	Poor: Non-functional, poor appearance, or no picnic facilities provided.
Site		2.00	Excellent: New sidewalks, no deterioration.
	Sidowalks	1.33	Good: Adequate connectivity, minimal deterioration.
	Sidewaiks	0.67	Fair: Adequate connectivity, some deterioration.
		0.00	Poor: Discontinuous, deteriorated.
		1.00	Excellent: New signage, excellent condition.
	Site Signage	0.67	Good: Directs traffic properly, indicates site areas.
	Site Signage	0.33	Fair: Necessities are signed, fair appearance.
		0.00	Poor: Missing signage or unreadable.
		1.00	Excellent: New receptacles, excellent appearance.
	Exterior Waste Recentacles	0.67	Good: Good appearance, receptacles with lids.
	Exterior waste receptacies	0.33	Fair: Fair appearance, receptacles without lids.
		0.00	Poor: Poor appearance, receptacles without lids, or no receptacles provided.

			Scoring Definitions - Rest Areas
Element		Score	Definition
	Facility Ventilation	2.00	Excellent: No odor problem
	Facility ventilation	0.00	Poor: Continuous odor problem
		1.00	Excellent: New flooring, excellent condition.
	Floor Condition	0.67	Good: No cracks or separation, level.
	Floor Condition	0.33	Fair: Some wear and minor imperfections.
		0.00	Poor: Deteriorated and unattractive.
		2.00	Excellent: New LED interior lighting, excellent condition.
	Interior Lighting	1.33	Good: Good illumination, high efficiency LED fixtures.
	Interior Lighting	0.67	Fair: Sufficient illumination, older high pressure sodium fixtures.
		0.00	Poor: Unsafe illumination, antiquated fixtures, or no interior lighting provided.
		1.00	Excellent: New paint, excellent condition.
	Daint	0.67	Good: Adequate coverage, no signs of chipping/pealing.
	Paint	0.33	Fair: Some maintenance required for isolated areas.
		0.00	Poor: Entire repaint needed.
		2.00	Excellent: 45 to 50 years remaining
	Pompining Sonvice Life	1.33	Good: 30 to 44 years remaining
Structure	Kemaning Service Life	0.67	Fair: 10 to 29 years remaining
Structure		0.00	Poor: 0 to 9 years remaining
		2.00	Excellent: New plumbing fixtures, excellent condition.
	Restroom Plumbing	1.33	Good: Good fixture and piping appearance, no leaks.
	Fixtures	0.67	Fair: Functional, some maintenance required.
		0.00	Poor: Leaking and damaged, or no plumbing fixtures provided.
		5.00	Excellent: Meets future 2036 demand (and current demand).
	Restroom Stalls	3.33	Good: Meets current 2016 demand.
		1.67	Fair: Meets 85 percent of current 2016 demand.
		0.00	Poor: Meets less than 85 percent of current 2016 demand.
		2.00	Excellent: New roofing, excellent condition.
	Roofing	1.33	Good: Watertight, no signs of deterioration, maintenance free.
		0.67	Fair: Watertight, some maintenance needed.
		0.00	Poor: Leaking and deteriorated.
		2.00	Excellent: New siding, excellent condition.
	Siding	1.33	Good: Sound, weatherproof, tight, good finish, maintenance free.
	0	0.67	Fair: Sound, weatherproof, some wear and tear.
		0.00	Poor: Deteriorated, leaking, significant air infiltration.

			Scoring Definitions - Rest Areas
Element		Score	Definition
	Municipal System	26.00	Excellent: Connected to a municipal system.
		5.00	Excellent: Source has adequate capacity to meet calculated existing and future peak daily demand.
	Source Capability to Meet	3.33	Good: Source has adequate capacity to meet calculated existing peak daily demand but does not have capacity to meet calculated future peak daily demand.
	Peak Daily Demand	1.67	Fair: Source does not have adequate capacity to meet calculated existing or future peak daily demand.
		0.00	Poor: Existing observed problems with quantity, source does not have capacity for existing demand.
		4.00	Excellent: Storage is adequate to meet calculated existing and future peak instantaneous demand.
	Storage Capability to Meet	2.67	Good: Storage is adequate to meet calculated existing peak instantaneous demand but not adequate to meet calculated future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks.
	Demand	1.33	Fair: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement can be satisfied through the addition of five or less additional pressure tanks.
		0.00	Poor: Storage is not adequate to meet existing or future peak instantaneous demand. Future storage requirement cannot be satisfied with five or less additional pressure tanks.
Water		6.00	Excellent: New; no operation and maintenance concerns.
	Operation & Maintenance	3.00	Fair: Aged; minor operation and maintenance concerns.
		0.00	Poor: Multiple operation and maintenance concerns; indications of system failure.
	Backflow Prevention	1.00	Excellent: Backflow prevention is included on irrigation system line if domestic and irrigation source are the same.
		0.00	Poor: Backflow prevention is not included on irrigation system line if domestic and irrigation source are the same.
		5.00	Excellent: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system does not require disinfection per well construction details. Currently, no treatment or disinfection is provided
	Source Quality (Transient Non-community Monitoring Regulations)	3.33	Good: No history of water quality violations for coliform bacteria or nitrates within the past five years. Water system requires disinfection based on well construction details or treatment and/or disinfection is currently provided.
	women ing Regulations,	1.67	Fair: Occasional water quality violations for coliform bacteria or nitrates within the past five years.
		0.00	Poor: Recurring history of water quality violations for coliform bacteria or nitrates.
		5.00	Excellent: 16 to 20 years remaining.
	Remaining Service Life	3.33	Good: 11 to 15 years remaining.
	Nemaning Service Life	1.67	Fair: 6 to 10 years remaining.
		0.00	Poor: 0 to 5 years remaining.

			Scoring Definitions - Rest Areas
Element		Score	Definition
	Municipal System	24.00	Excellent: Connected to a municipal system.
		4.00	Excellent: On-site advanced system.
	Treatment Sustem	2.67	Good: On-site septic drainfield, dosed with a pump.
	freatment System	1.33	Fair: On-site septic drainfield, gravity system.
		0.00	Poor: Other.
		6.00	Excellent: Future estimated design flow are less than the estimated existing wastewater system design flow.
	Wastewater Design Flow	4.00	Good: 2056 projected design flow exceed the estimated existing wastewater system design flow.
	Wastewater Design Flow	2.00	Fair: 2036 projected design flow exceed the estimated existing wastewater system design flow.
		0.00	Poor: 2016 projected design flow exceed the estimated existing wastewater system design flow.
Wastewater		5.00	Excellent: No operation and maintenance concerns.
wastewater	Operation & Maintenance	-	Good: Minor operation and maintenance concerns or level II treatment system.
		0.00	Poor: Multiple operation and maintenance concerns; indications of system failure.
		3.00	Excellent: Drainfield area to available area ratio is less than 5.
	Site Constraints	2.00	Good: Drainfield area to available area ratio is between 5 and 10.
		1.00	Fair: Drainfield area to available area ratio is between 10 and 15.
		0.00	Poor: Drainfield area to available area ratio is greater than 15.
		6.00	Excellent: 16 to 20 years remaining.
	Remaining Service Life	4.00	Good: 11 to 15 years remaining.
	ite indianing ber vice Life	2.00	Fair: 6 to 10 years remaining.
		0.00	Poor: 0 to 5 years remaining.
		4.00	Excellent: 10 or more amenities
Amenities	Number of Amenities	2.67	Good: 5 to 9 amenities
		1.33	Fair: 1 to 4 amenities
		0.00	Poor: No amenities
	Total Possible Score:	100.00	

			Scoring Definitions - Truck Parking Areas
Element		Score	Definition
		1.00	Good: No ponding or flat areas.
	Drainage Condition	0.50	Fair: Some ponding and flat areas.
		0.00	Poor: Ponding or large areas of water retention.
		1.00	Good: Smooth surface, minor/hairline cracking, few interconnecting cracks, rutting depths < 1".
Pavement	Pavement Condition	0.50	Fair: Moderately rough surface, cracking 3/8" to 3" wide, some network cracking, rutting depths 1"-2".
		0.00	Poor: Rough surface, cracks > 3" wide, well-defined network cracking, rutting depths > 2".
		1.00	Good: Functional, adequate coverage.
	Pavement Striping Quality	0.50	Fair: Functional, some deterioration.
		0.00	Poor: Non-functional and deteriorated.
		2.00	Good: LED lighting provided for all 4 areas (parking areas, building entries, highway ramps, and walkways).
	Exterior Lighting	1.00	Fair: High pressure sodium lighting provided for 3-4 areas.
		0.00	Poor: High pressure sodium lighting in 1-2 areas, or No exterior lighting.
		1.00	Good: Plants/grass are alive & appear healthy.
	Landscaping/Lawn Areas	0.50	Fair: Plants/grass are alive but do not appear healthy.
		0.00	Poor: Plants/grass are not alive.
		1.00	Good: Functional, well-maintained, clean, and in good condition.
	Picnic Areas	0.50	Fair: Functional, some maintenance/cleaning required.
Site		0.00	Poor: Non-functional, poor appearance, or no picnic facilities provided.
		2.00	Good: Adequate connectivity, minimal deterioration.
	Sidewalks	1.00	Fair: Adequate connectivity, some deterioration.
		0.00	Poor: Discontinuous, deteriorated.
		1.00	Good: Directs traffic properly, indicates site areas, and good condition.
	Site Signage	0.50	Fair: Necessities are signed, fair appearance.
		0.00	Poor: Missing signage or unreadable.
		1.00	Good: Good appearance, receptacles with lids.
	Exterior Waste Receptacies	0.50	Fair: Fair appearance, receptacles without lids.
		0.00	Poor: Poor appearance, receptacles without lids, or no receptacles provided.
		6.00	Good: New; no operation and maintenance concerns.
Water	Operation & Maintenance	3.00	Fair: Aged; minor operation and maintenance concerns.
		0.00	Poor: Multiple operation and maintenance concerns; indications or system failure.
Mastaustau	Onemation & Mainterrow	5.00	Guou: Structure in good condition, minimal deterioration; no operation and maintenance concerns.
wastewater	Operation & iviaintenance	2.50	rein, structure ageu, some deterioration; minor operation and mantenance concerns.
	- Dessible Course	0.00	POOT: Structure detects; Multiple operation and maintenance concerns; indications of system failure.
Tota	al Possible Score:	22.00	

Attachment 11

SUMMARY SHEETS

SRA-1 Da	ite: <u>June 1, 2018</u>	
Name:AnacondRoute:MT 1 (P-Direction:EastReference Post:000+0.72Year Built:2008Jurisdiction:District 2Maintenance:State SitAADT (2017):3973Health Index:62.2	la Rest Area 19) 27 2 - Butte e	
Map Nı	umber: SRA-1	
F	acility: Anaconda	
Year Constructed/Reconstr	ructed: 2008	
Facility Age (years): 10	
Advance S	igning: Yes	Annual States
Number of Passenger Vehicle	Stalls: 25	Anaconua
Number of Truck	Stalls: 15	
Teler	phone: No	
Waste Recep	tacles: Yes	
Number of Restroom Stalls (Wo	omen): 5	21
Number of Restroom Stalls	(Men): 5	
Sep. ADA/Family Style Rest	troom: No	
Flush	Toilet: Yes	The hard the hard the hard the hard
Vault	Toilet: No	for her state Have her her her her her her her her her he
Hand [Dryers: Yes	Kališpell GREAT FALLS.
Advanced WW Treat	tment: Yes	MISSOULA Great Fails
Municipal	Water: No	Missoula
Municipal Waste	water: No	Anaconda Helena Billings Miles City
Picnic	Areas: Yes	Butter
Landscaping/Irri	gation: Yes	BUTTE Bozeman Billings
Designated Per	t Area: Yes	
Vending Mac	chines: Yes	Frid Stand
	Wi-Fi: No	
Future • Numb	per of Oversized Vehi	cle Parking Stalls
	e Waste water design	now and remaining service me

SRA-2	Date: <u>Apri</u>	<u>l 26, 2018</u>
Name:	Armington Junct Area	ion Rest
Route:	US 87 & US 89 (N	1-60)
Direction: Reference Post:	vvest 071+0.078	
Year Built:	1967	
Jurisdiction:	District 3 – Great	t Falls
Maintenance:	State Site	
AADT (2017): Health Index:	3200 56.8	
	Map Number:	SRA-2
	Facility:	Armington Junction
Year Constructed	/Reconstructed:	1967
Fac	ility Age (years):	51
A	Advance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	12
Numbe	er of Truck Stalls:	12
	Telephone:	No
Wa	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	3
Number of Restro	om Stalls (Men):	3
Sep. ADA/Family	Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
N	Aunicipal Water:	No
Munici	pal Wastewater:	No
	Picnic Areas:	Yes
Landsca	aping/Irrigation:	Yes
Desig	gnated Pet Area:	Yes
Ve	nding Machines:	No
	Wi-Fi:	No
Future	Remaining Set	rvice Life for
Considerations:	 Remaining Sei Source Capab 	rvice Lite for
	• Source Capab	inty to weet

SRA-3	Date: <u>Octobe</u>	<u>r 25, 2017</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Bad Route Rest / I-94 East 192+0.549 1973 District 4 – Glene State Site 4146 57.5	\rea dive
	Map Number:	SRA-3
	Facility:	Bad Route
Year Constructed	d/Reconstructed:	1973
Fac	cility Age (years):	45
	Advance Signing:	Yes
Number of Passeng	ger Vehicle Stalls:	36
Numbe	er of Truck Stalls:	16
	Telephone:	No
Wa	aste Receptacles:	Yes
Number of Restroom	Stalls (Women):	3
Number of Restro	oom Stalls (Men):	3
Sep. ADA/Family	Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
Γ	Municipal Water:	No
Munici	ipal Wastewater:	No
	Picnic Areas:	Yes
Landsc	caping/Irrigation:	Yes
Desi	gnated Pet Area:	Yes
Ve	ending Machines:	No
	Wi-Fi:	No
Future Considerations:	 Number of Ov Remaining Se Remaining Se Remaining Se 	rersized Vehic rvice Life for rvice Life for rvice Life for

SRA-4

Date: <u>June 1, 2018</u>

Name:	Bearmouth (East) Rest Area
Route:	I-90
Direction:	East
Reference Post:	143+0.000
Year Built:	2013
Jurisdiction:	District 1 – Missoula
Maintenance:	State Site
AADT (2017):	9370
Health Index:	88.2

Map Number:	SRA-4
	Bearmouth
Facility:	(East)
Year Constructed/Reconstructed:	2014
Facility Age (years):	4
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	49
Number of Truck Stalls:	17
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	Yes
Future • Wastewater D	Design Flow
Considerations: • Wastewater s	ite constraint

-Havre Kalispell GREAT FALLS Great Falls GLENDIVE Missoula Helena Bearmouth BILLINGS DISTRICT Miles City (East) Butte Billings BUTTE Bozeman

SRA-5	Date: Jui	<u>ne 1, 2018</u>	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Bearmouth (Wes Area I-90 West 142+0.662 2013 District 1 - Misso State Site 9370 88.2 Man Number:	st) Rest pula	
	Facility:	Bearmouth (West)	
Year Constructed	/Reconstructed:	2014	A CONTRACTOR
Fac	ility Age (years):	4	STATISTICS STATISTICS
l	Advance Signing:	Yes	
Number of Passeng	er Vehicle Stalls:	47	
Numbe	er of Truck Stalls:	21	
	Telephone:	No	
Wa	ste Receptacles:	Yes	
Number of Restroom Stalls (Women): 4		4	
Number of Restro	om Stalls (Men):	4	
Sep. ADA/Family	Style Restroom:	Yes	
	Flush Toilet:	Yes	r a b f b t t t t t t b b b b b b b b b b b
	Vault Toilet:	No	The appropriate the second of the first of t
	Hand Dryers:	Yes	Kalispell
Advanced	WW Treatment:	Yes	MISSOULA DISTRICT Great Falls
Ν	/unicipal Water:	No	Misonila Giendive District
Munici	pal Wastewater:	No	Rearmouth Helena BILLINGS MUL
	Picnic Areas:	Yes	(West)
Landsc	aping/Irrigation:	Yes	Butte Bozeman Billings
Desi	gnated Pet Area:	Yes	Same and the De
Ve	nding Machines:	No	y to
	Wi-Fi:	Yes	
Future Considerations:	Wastewater EWastewater S	Design Flow ite Constrain	S
1			

SRA-6	Date: Octobe	<u>r 19, 2017</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Bozeman Rest A I-90 East 305+0.410 2000 District 2 - Butte State Site 22329 85.3	rea
	Map Number:	SRA-6
	Facility:	Bozeman
Year Constructe	d/Reconstructed:	2000
Fa	cility Age (years):	18
	Advance Signing:	Yes
Number of Passen	ger Vehicle Stalls:	26
Numb	er of Truck Stalls:	10
	Telephone:	Yes
w	aste Receptacles:	Yes
Number of Restroon	n Stalls (Women):	6
Number of Restr	oom Stalls (Men):	6
Sep. ADA/Famil	y Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	d WW Treatment:	No
	Municipal Water:	Yes
Munic	cipal Wastewater:	Yes
	Picnic Areas:	Yes
Lands	caping/Irrigation:	Yes
Des	ignated Pet Area:	Yes
V	ending Machines:	Yes
	Wi-Fi:	No

SRA-7	Date: <u>Octobe</u>	r 31, 2017	
Name:	Bridger Rest Are	а	
Route:	Hwy 310 (N-4)		
Direction:	North		
Reference Post:	029+0.102		
Year Built:	1967		
Jurisdiction:	District 5 - Billing	gs	
	2052		
Health Index:	70.8		
	Map Number:	SRA-7	
	Facility:	Bridger	
Year Constructe	d/Reconstructed:	1989	
Fa	cility Age (years):	29	
	Advance Signing:	Yes	
Number of Passen	ger Vehicle Stalls:	13	
Numb	er of Truck Stalls:	5	Bridger
	Telephone:	No	
W	aste Receptacles:	Yes	
Number of Restroon	n Stalls (Women):	3	
Number of Restr	oom Stalls (Men):	3	
Sep. ADA/Famil	y Style Restroom:	No	
	Flush Toilet:	Yes	France Provide The France
	Vault Toilet:	No	Kalispell GREAT FAILS
	Hand Dryers:	Yes	MISSOULA DISTRICT
Advanced	d WW Treatment:	No	GLENDIVE DISTRICT
	Municipal Water:	No	Missoula Heiena Billings
Munic	ipal Wastewater:	No	A A HAT DISTRICT MILESCEITY
	Picnic Areas:	Yes	Butter
Lands	caping/Irrigation:	Yes	DISTRICT
Des	ignated Pet Area:	Yes	Bridger
V	ending Machines:	No	Jung .
Future	WI-FI:		he Derling Area
Considerations.	Remaining Set	i vice Life TOr t	ne raiking Aled
considerations.	Remaining Sci	rvice Life for V	e Lile Nastewater System

SRA-8	Date: <u>Octobe</u>	r 25, 2017
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Broadus Rest Ard US 212 (N-23) South 081+0.009 1987 District 4 - Glenc State Site 2891 68.5	ea live
	Map Number:	SRA-8
	Facility:	Broadus
Year Constructed	d/Reconstructed:	1987
Fa	cility Age (years):	31
	Advance Signing:	Yes
Number of Passeng	ger Vehicle Stalls:	9
Numb	er of Truck Stalls:	15
	Telephone:	No
W	aste Receptacles:	Yes
Number of Restroom	n Stalls (Women):	2
Number of Restro	oom Stalls (Men):	2
Sep. ADA/Family	y Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
	Municipal Water:	No
Munic	ipal Wastewater:	No
	Picnic Areas:	Yes
Lands	caping/Irrigation:	Yes
Desi	ignated Pet Area:	Yes
Ve	ending Machines:	No
	Wi-Fi:	No
Future	Remaining Se	rvice Life for
Considerations:	Remaining Str	ucture Servi
	Source Water	Quality
	Remaining Se	rvice Life for

SRA-9

Date: June 2, 2018

Name:	Clearwater Junct	ion Rest
Route:	Area MT 200 (N-24)	
Direction:	1VI I 200 (11-24) Fast	
Reference Post:	031+0.955	
Year Built:	1999	
Jurisdiction:	District 1 - Misso	ula
Maintenance:	State Site	
AADT (2017):	2905	
Health Index:	62.5	
	Map Number:	SRA-9
	Facility:	Clearwater Junction
Year Constructed	/Reconstructed:	1999
Facility Age (years):		19
Advance Signing:		Yes
Number of Passeng	25	
Numbe	er of Truck Stalls:	13
Telephone:		No
Waste Receptacles:		Yes
Number of Restroom	Stalls (Women):	2
Number of Restro	om Stalls (Men):	2
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
Γ	Municipal Water:	No
Munici	pal Wastewater:	No
	Picnic Areas:	Yes
Landscaping/Irrigation:		Yes
Desi	gnated Pet Area:	Yes
Ve	nding Machines:	No
	Wi-Fi:	No
Future •	Remaining Servi	ce Life for the
considerations:	Remaining Struc	ture Service l
•	Remaining Servi	ce Life for the



- Parking Area
- ife
 - Water System
 - Remaining Service Life for the Wastewater System

SRA-10 Date: October 24, 2017

Name:	Columbus (East) Rest Area
Route:	I-90
Direction:	East
Reference Post:	418+0.843
Year Built:	2016
Jurisdiction:	District 5 - Billings
Maintenance:	State Site
AADT (2017):	11723
Health Index:	81.2

Map Number:	SRA-10
Facility:	Columbus (East)
Year Constructed/Reconstructed:	2016
Facility Age (years):	2
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	32
Number of Truck Stalls:	28
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	No
Future•Storage Capabil	ity to Meet P



Considerations:

- eak Instantaneous Demand
- Wastewater Site Constraints

SRA-11 Date: <u>October 31, 2017</u>

Name:	Columbus (West) Rest Area
Route:	I-90
Direction:	West
Reference Post:	418+0.807
Year Built:	1970
Jurisdiction:	District 5 – Billings
Maintenance:	State Site
AADT (2017):	11723
Health Index:	81.5

	Map Number:	SRA-11
	Facility.	Columbus
	Facility:	(West)
Year Constru	ucted/Reconstructed:	2016
	Facility Age (years):	2
	Advance Signing:	Yes
Number of Pas	senger Vehicle Stalls:	29
N	umber of Truck Stalls:	40
	Telephone:	No
	Waste Receptacles:	Yes
Number of Restr	oom Stalls (Women):	4
Number of R	estroom Stalls (Men):	4
Sep. ADA/Fa	amily Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Adva	nced WW Treatment:	Yes
	Municipal Water:	No
м	unicipal Wastewater:	No
	Picnic Areas:	Yes
La	ndscaping/Irrigation:	Yes
	Designated Pet Area:	Yes
	Vending Machines:	No
	Wi-Fi:	No
Future	Storage Capabili	ity to Meet P
Considerations:	Wastewater Des	sign Flow
	Wastewater Site	e Constraints



SRA-12

Date: May 18, 2018

(
I
1
3
2
[
5
2
ç

Conrad Rest Area I-15 North 339+0.361 2012 District 3 – Great Falls State Site 4020 96.0

Map Number:	SRA-12
Facility:	Conrad
Year Constructed/Reconstructed:	2012
Facility Age (years):	6
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	31
Number of Truck Stalls:	18
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	No
Municipal Water:	Yes
Municipal Wastewater:	Yes
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	Yes
Wi-Fi:	Yes



None •

SRA-13 Date: October 26, 2017

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:

Culbertson Rest Area US 2 (N-1) East 645+0.156 1998 District 4 - Glendive State Site 1764 87.7

Map Number:	SRA-13
Facility:	Culbertson
Year Constructed/Reconstructed:	1998
Facility Age (years):	20
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	23
Number of Truck Stalls:	12
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	2
Number of Restroom Stalls (Men):	2
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	No
Municipal Water:	Yes
Municipal Wastewater:	Yes
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No
Future • Remaining Servi	ce Life for th



Considerations:

- Remaining Service Life for the Parking Area
- Facility Ventilation

•
SRA-14 Date: November 1, 2017

Custer (East) Rest Area Name: **Route:** I-94 Direction: East **Reference Post:** 038+0.234 Year Built: 1975 Jurisdiction: District 5 - Billings State Site Maintenance: AADT (2017). 1699

			And a state of the
Health Index: 52.7			u I
Map Nu	mber:	SRA-14	-
Fa	cility:	Custer (East)	
Year Constructed/Reconstru	ucted:	1975	
Facility Age (y	ears):	43	
Advance Sig	gning:	Yes	
Number of Passenger Vehicle	Stalls:	14	
Number of Truck	Stalls:	10	No Re-
Telep	hone:	No	
Waste Recept	acles:	Yes	
Number of Restroom Stalls (Wo	men):	3	The second
Number of Restroom Stalls (Men):	3	
Sep. ADA/Family Style Rest	room:	No	
Flush 1	Foilet:	Yes	50
Vault 1	Foilet:	No	TW.
Hand D	ryers:	Yes	Kal
Advanced WW Treat	ment:	No	MISS
Municipal V	Vater:	No	M
Municipal Wastev	water:	No	3
Picnic /	Areas:	Yes	1
Landscaping/Irrig	ation:	Yes	-
Designated Pet	Area:	Yes	
Vending Mac	hines:	No	
	Wi-Fi:	No	
Future • Number	of Over	rsized Vehicle	Parking Stalls

.

Considerations:



- Remaining Service Life for the Water and Wastewater System
- Wastewater Operations and Maintenance

Remaining Structure Life

SRA-15 Date: November 1, 2017

Name: Route: I-94 Direction: West 041+0.258 **Reference Post:** Year Built: 1975 Jurisdiction: Maintenance: State Site AADT (2017): 4699 **Health Index:**

Custer (West) Rest Area District 5 - Billings 54.0

	Map Number:	SRA-15
	Facility	Custer
	racinty.	(West)
Year Constructed/	Reconstructed:	1975
Facil	ity Age (years):	43
Ad	dvance Signing:	Yes
Number of Passenge	r Vehicle Stalls:	17
Number	of Truck Stalls:	11
	Telephone:	No
Was	te Receptacles:	Yes
Number of Restroom S	stalls (Women):	3
Number of Restroo	m Stalls (Men):	3
Sep. ADA/Family S	tyle Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced V	VW Treatment:	No
Μ	unicipal Water:	No
Municip	al Wastewater:	No
	Picnic Areas:	Yes
Landsca	ping/Irrigation:	Yes
Design	nated Pet Area:	Yes
Ven	ding Machines:	No
	Wi-Fi:	No
Future •	Number of Large	• Vehicle Parl
Considerations: •	Remaining Servi	ce Life for the
•	Remaining Struc	ture Life
	D	



Wastewater Operation and Maintenance •



Date: <u>April 27, 2018</u>

Name:	Dearborn (North) Rest Area
Route:	I-15
Direction:	North
Reference Post:	239+0.704
Year Built:	2012
Jurisdiction:	District 3 – Great Falls
Maintenance:	State Site
AADT (2017):	4437
Health Index:	76.2

	Map Number:	SRA-16
	Facility	Dearborn
	racility:	(North)
Year Constru	cted/Reconstructed:	2012
	Facility Age (years):	6
	Advance Signing:	Yes
Number of Pas	senger Vehicle Stalls:	20
Nu	mber of Truck Stalls:	25
	Telephone:	No
	Waste Receptacles:	Yes
Number of Restr	oom Stalls (Women):	4
Number of Re	estroom Stalls (Men):	4
Sep. ADA/Fa	mily Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advar	nced WW Treatment:	Yes
	Municipal Water:	No
Mi	unicipal Wastewater:	No
	Picnic Areas:	Yes
La	ndscaping/Irrigation:	Yes
	Designated Pet Area:	Yes
	Vending Machines:	Yes
	Wi-Fi:	No
Future	Improved Exteri	or and Interio
Considerations:	Exterior Waste F	Receptacles
	 Storage Capabili 	ity to Meet Pe



Wastewater Site Constraints

Date: <u>April 27, 2018</u>

Name:	Dearborn (South) Rest Area
Route:	I-15
Direction:	South
Reference Post:	239+0.735
Year Built:	2012
Jurisdiction:	District 3 – Great Falls
Maintenance:	State Site
AADT (2017):	4437
Health Index:	77.5

	Map Number:	SRA-17
	Facility:	Dearborn (South)
Year Constructed	/Reconstructed:	2012
Fac	ility Age (years):	6
Ļ	Advance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	20
Numbe	r of Truck Stalls:	25
	Telephone:	No
Wa	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	4
Number of Restro	om Stalls (Men):	4
Sep. ADA/Family	Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	Yes
N	Iunicipal Water:	No
Munici	pal Wastewater:	No
	Picnic Areas:	Yes
Landsca	aping/Irrigation:	Yes
Desi	gnated Pet Area:	Yes
Ve	nding Machines:	Yes
	Wi-Fi:	No
Future •	Improved Exteri	or and Interio
Considerations: •	Exterior Waste	Receptacles
•	Storage Capabili	ty to Meet Pe
•	Wastewater Site	e Constraints



Page 1 of 1

Date: May 16, 2018

Name:	Dena Mora (East) Rest Area
Route:	I-90
Direction:	East
Reference Post:	004+0.622
Year Built:	2004
Jurisdiction:	District 1 - Missoula
Maintenance:	State Site
AADT (2017):	7489
Health Index:	63.3

	Map Number:	SRA-18
	Facility:	Dena Mora (East)
Year Constructed	/Reconstructed:	2004
Faci	ility Age (years):	14
А	dvance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	22
Numbe	r of Truck Stalls:	15
	Telephone:	Yes
Was	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	4
Number of Restroo	om Stalls (Men):	4
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	Yes
N	Iunicipal Water:	No
Municip	oal Wastewater:	No
	Picnic Areas:	Yes
Landsca	ping/Irrigation:	Yes
Desig	nated Pet Area:	Yes
Ver	nding Machines:	No
	Wi-Fi:	No
Future •	Number of Over	sized Vehicle
Considerations: •	Parking Paveme	nt and Sidewa
•	Wastewater Op	eration and N
•	Wastewater Site	e Constraints



SRA-19 Date: May 16, 2018 Dena Mora (West) Rest Name: Area Route: 1-90 Direction: West **Reference Post:** 004+0.748 Year Built: 2004 Jurisdiction: District 1 – Missoula Maintenance: State Site AADT (2017): 7489 **Health Index:** 65.7 Map Number: SRA-19 Dena Mora Facility: (West) Year Constructed/Reconstructed: 2004 Facility Age (years): 14 **Advance Signing:** Yes Number of Passenger Vehicle Stalls: 23 Number of Truck Stalls: 16 Telephone: Yes Waste Receptacles: Yes Number of Restroom Stalls (Women): 4 Number of Restroom Stalls (Men): 4 Sep. ADA/Family Style Restroom: Yes Flush Toilet: Yes Vault Toilet: No Hand Dryers: Yes Advanced WW Treatment: Yes **Municipal Water:** No **Municipal Wastewater:** No **Picnic Areas:** Yes Landscaping/Irrigation: Yes **Designated Pet Area:** Yes Vending Machines: No Wi-Fi: No Future •



Considerations:

- Number of Oversized Vehicle Parking Stalls
- Parking Pavement and Sidewalk Condition
 - Wastewater Operation and Maintenance
 - Wastewater Site Constraints

Date: May 30, 2018

Name:DividRoute:I-15Direction:NortReference Post:108+Year Built:2015Jurisdiction:DistrMaintenance:StateAADT (2017):4096Health Index:93.2

Divide (North) Rest Area I-15 North 108+0.691 2015 District 2 - Butte State Site 4096 93.2

Map Number:	SRA-20
Facility	Divide
Facility:	(North)
Year Constructed/Reconstructed:	2015
Facility Age (years):	3
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	17
Number of Truck Stalls:	16
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	Yes



Future

None

Considerations:

Considerations:

Date: May 30, 2018

Name: Divide (South) Rest Area Route: I-15 Direction: South **Reference Post:** 108+0.735 Year Built: 2015 Jurisdiction: District 2 – Butte Maintenance: State Site AADT (2017): 4096 Health Index: 95.5

Map Number:	SRA-21
Facility:	Divide
Facility.	(South)
Year Constructed/Reconstructed:	1977
Facility Age (years):	3
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	16
Number of Truck Stalls:	10
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	No
Future • None	



SRA-22 Date: October 24, 2017

Name: Route: Direction: **Reference Post:** Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:

Emigrant Rest Area US 89 (N-11) North 023+0.759 1989 District 2 - Butte State Site 2049 59.2

Map Number	SRA-22
Facility	Emigrant
Year Constructed/Reconstructed	1989
Facility Age (years)	: 29
Advance Signing	Yes
Number of Passenger Vehicle Stalls	: 20
Number of Truck Stalls	: 7
Telephone	: No
Waste Receptacles	Yes
Number of Restroom Stalls (Women)	3
Number of Restroom Stalls (Men)	: 3
Sep. ADA/Family Style Restroom	: No
Flush Toilet	Yes
Vault Toilet	: No
Hand Dryers	Yes
Advanced WW Treatment	: No
Municipal Water	: No
Municipal Wastewater	: No
Picnic Areas	: Yes
Landscaping/Irrigation	Yes
Designated Pet Area	Yes
Vending Machines	: No
Wi-Fi	: No
Future • Remaining Se	ervice Life for th
Considerations:	ructure Service
Remaining Sector	rvice Life for th



Future
Considerations

- e Parking Area Life
- Remaining Service Life for the Water System
- Remaining Service Life for the Wastewater System
- Wastewater Site Constraints

SRA-23 Date: October 27, 2017

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index: Flowing Wells Rest Area MT 200 (N-57) East 248+0.573 2014 District 4 - Glendive State Site 472 91.8

Map Number:	SRA-23
Facility	Flowing
Facility:	Wells
Year Constructed/Reconstructed:	2014
Facility Age (years):	4
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	6
Number of Truck Stalls:	6
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	3
Number of Restroom Stalls (Men):	3
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	No



Future

None

Considerations:

Date: April 19, 2017

Name:	Gold Creek (East) Rest Area
Route:	I-90	
Direction:	East	
Reference Post:	169+0.402	
Year Built:	1973	
Jurisdiction:	District 1 - Misso	ula
Maintenance:	State Site	
AADT (2017):	10664	
Health Index:	30.7 Man Number	SRA-24
	map railinel.	Gold Creek
	Facility:	(Fast)
Year Constructed	d/Reconstructed·	1973
Fa	cility Age (vears)	45
Ia	Advance Signing	
Number of Decem	nor Vohicle Stalle	10
		13
Numb	er of Truck Stalls:	11
	Telephone:	No
Waste Receptacles:		No
Number of Restroom Stalls (Women): 3		3
Number of Restro	oom Stalls (Men):	3
Sep. ADA/Family	y Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
	Municipal Water:	No
Munic	ipal Wastewater:	No
	Picnic Areas:	Yes
Lands	caping/Irrigation:	Yes
Des	ignated Pet Area:	Yes
Ve	ending Machines:	No
	Wi-Fi:	No
Future •	Number of Over	sized Vehicle
Considerations: •	Remaining Servi	ce Life for the
•	Facility Ventilation	on
•	Remaining Servi	ce Life for the
•	Source Canabilit	v to Meet Pe

Backflow Prevention

•



SRA-25	Date: <u>April 19, 2017</u>	
Name:	Gold Creek (West) Rest	
	Area	and the state of the second
Route:	1-90	The second se
Direction:	West	
Reference Post:	167+0.411	ALL
Year Built:	1973	
Jurisdiction:	District 1 – Missoula	
Maintenance:	State Site	
AADT (2017):	10664	
Health Index:	26.3	
	Map Number: SRA-25	
	Gold Creek	A COLORING
	Facility: (West)	Carriel South and the
Year Constructe	d/Reconstructed: 1973	118
Fa	acility Age (years): 45	
	Advance Signing: Yes	
Number of Passen	ger Vehicle Stalls: 18	
Numb	per of Truck Stalls: 10	Contraction of the second
	Telephone: No	A STATE STATE OF THE STATE
W	/aste Receptacles: No	Clarifican Care Care
Number of Restroon	n Stalls (Women): 3	
Number of Restr	oom Stalls (Men): 3	
Sep. ADA/Famil	y Style Restroom: No	5 C SENE
	Flush Toilet: Yes	Kalispell
	No Yes	There are a series of the seri
	Hand Dryers: Yes	BISTRICT Great
Advanced	I WW Treatment: No	La La All
	Municipal Water: No	Missoula
Munic	cipal Wastewater: No	Gold Creek
	Picnic Areas: Yes	(West) Batte
Lands	caping/Irrigation: Yes	BUTTE-BO
Des	signated Pet Area: Yes	2 mg
V	ending Machines: No	X X
	Wi-Fi: No	garan 3
Future •	Number of Oversized Vehicl	e Parking Stalls
Considerations: •	Remaining Service Life for th	ne Parking Area
•	Facility Ventilation	
•	Remaining Service Life for th	ne Structure
•	Source Capability to Meet P	eak Daily Demand
•	Backflow Prevention	
•	Remaining Service Life for th	ne Water System

• Remaining Service Life for the Wastewater System

Gold Creek (West)

BILLINGS DISTRICT

Billings

GLENDIVE

Miles City

Date: <u>April 25, 2018</u>

Name: Greycliff (East) Rest Area I-90 Route: Direction: East 381+0.021 **Reference Post:** Year Built: 2014 Jurisdiction: District 5 – Billings Maintenance: State Site AADT (2017): 9663 Health Index: 76.8

	Map Number:	SRA-26
	Facility	Greycliff
	raciity.	(East)
Year Constru	ucted/Reconstructed:	2014
	Facility Age (years):	4
	Advance Signing:	Yes
Number of Pas	senger Vehicle Stalls:	50
Νι	umber of Truck Stalls:	22
	Telephone:	No
	Waste Receptacles:	Yes
Number of Restr	oom Stalls (Women):	4
Number of Re	estroom Stalls (Men):	4
Sep. ADA/Fa	mily Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advai	nced WW Treatment:	Yes
	Municipal Water:	No
M	unicipal Wastewater:	No
	Picnic Areas:	Yes
La	ndscaping/Irrigation:	Yes
	Designated Pet Area:	Yes
	Vending Machines:	No
	Wi-Fi:	Yes
Future	Pavement and S	triping Cond
Considerations:	Wastewater Des	sign Flow
	Wastewater Site	e Constraints



Date: <u>April 25, 2018</u>

Name:	Greycliff (West) Rest Area
Route:	I-90
Direction:	West
Reference Post:	380+0.963
Year Built:	2014
Jurisdiction:	District 5 – Billings
Maintenance:	State Site
AADT (2017):	9663
Health Index:	75.8

N	lap Number:	SRA-27
		Greycliff
	Facility:	(West)
Year Constructed/Re	constructed:	2014
Facility	Age (years):	4
Adva	ance Signing:	Yes
Number of Passenger V	ehicle Stalls:	32
Number of	Truck Stalls:	19
	Telephone:	No
Waste	Receptacles:	Yes
Number of Restroom Sta	lls (Women):	4
Number of Restroom	Stalls (Men):	4
Sep. ADA/Family Sty	le Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced WV	/ Treatment:	Yes
Mun	icipal Water:	No
Municipal	Wastewater:	No
	Picnic Areas:	Yes
Landscapir	g/Irrigation:	Yes
Designat	ed Pet Area:	Yes
Vendir	ng Machines:	No
	Wi-Fi:	Yes
Future • W	astewater Des	sign Flow
Considerations: • W	astewater Site	e Constraints



SRA-28 Date: November 1, 2017

Name: Route: Direction: **Reference Post:** Year Built: Jurisdiction: Maintenance: AADT (2017): **Health Index:**

Hardin (East) Rest Area
I-90
East
476+0.594
1972
District 5 – Billings
State Site
8176
52.3

Map Numb	er:	SRA-28
Facili	+	Hardin
	ιγ.	(East)
Year Constructed/Reconstructed	ed:	1972
Facility Age (year	's):	46
Advance Signir	ng:	Yes
Number of Passenger Vehicle Sta	lls:	13
Number of Truck Sta	lls:	12
Telephor	ne:	No
Waste Receptacle	es:	Yes
Number of Restroom Stalls (Wome	n):	3
Number of Restroom Stalls (Me	n):	3
Sep. ADA/Family Style Restroo	m:	No
Flush Toil	et:	Yes
Vault Toil	et:	No
Hand Drye	rs:	Yes
Advanced WW Treatme	nt:	No
Municipal Wat	er:	No
Municipal Wastewat	er:	No
Picnic Area	as:	Yes
Landscaping/Irrigation	on:	Yes
Designated Pet Are	ea:	Yes
Vending Machine	es:	No
Wi-	Fi:	No
Future • Number of 0	Dver	sized Vehicle
Considerations:	ervi	ce Life for th
Source Capa	bilit	y to Meet Pe

.



SRA-29 Date: November 1, 2017

Name: Route: I-90 Direction: West **Reference Post:** 476+0.463 Year Built: 1972 Jurisdiction: Maintenance: State Site AADT (2017): 8176 Health Index:

Hardin (West) Rest Area District 5 – Billings 55.0

	Map Number:	SRA-29
	Facility:	Hardin (West)
Year Constructed	Reconstructed:	1972
Faci	lity Age (years):	46
Α	dvance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	14
Numbe	r of Truck Stalls:	13
	Telephone:	No
Was	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	3
Number of Restroo	om Stalls (Men):	3
Sep. ADA/Family	Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
Ν	Iunicipal Water:	No
Municip	al Wastewater:	No
	Picnic Areas:	Yes
Landsca	ping/Irrigation:	Yes
Desig	nated Pet Area:	Yes
Ver	nding Machines:	No
	Wi-Fi:	No
Future •	Number of Over	sized Vehicle
Considerations: •	Remaining Servi	ce Life for th
•	Source Capabilit	y to Meet Pe



Date: <u>April 26, 2018</u>

- Name:HarloRoute:US 12Direction:EastReference Post:100+Year Built:2012Jurisdiction:DistriMaintenance:StateAADT (2017):2327Health Index:88.3
 - Harlowton Rest Area US 12 (P-14) East 100+0.971 2012 District 5 - Billings State Site 2327 88.3

	Map Number:	SRA-30
	Facility:	Harlowton
Year Constructed	/Reconstructed:	2012
Fac	ility Age (years):	6
A	dvance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	21
Numbe	r of Truck Stalls:	16
	Telephone:	No
Wa	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	4
Number of Restro	om Stalls (Men):	4
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
N	Iunicipal Water:	Yes
Munici	oal Wastewater:	Yes
	Picnic Areas:	Yes
Landsca	aping/Irrigation:	Yes
Desig	nated Pet Area:	Yes
Vei	nding Machines:	No
	Wi-Fi:	No
Future •	Parking Striping	Quality
Considerations: •	Interior Lighting	
•	Interior Paint	
•	Structure Siding	



SRA-31 Date: November 2, 2017

Name:	Hathaway (East) Rest Area
Route:	I-94
Direction:	East
Reference Post:	113+0.787
Year Built:	1963
Jurisdiction:	District 4 - Glendive
Maintenance:	State Site
AADT (2017):	5062
Health Index:	53.2

	Map Number:	SRA-31
Eacility:		Hathaway
	racinty.	(East)
Year Constructed/R	Reconstructed:	1963
Facili	ty Age (years):	55
Ad	vance Signing:	Yes
Number of Passenger	Vehicle Stalls:	10
Number	of Truck Stalls:	11
	Telephone:	No
Wast	e Receptacles:	Yes
Number of Restroom St	alls (Women):	3
Number of Restroom	n Stalls (Men):	3
Sep. ADA/Family Style Restroom:		No
Flush Toilet:		Yes
Vault Toilet:		No
Hand Dryers:		Yes
Advanced WW Treatment:		No
Municipal Water:		No
Municipa	l Wastewater:	No
Picnic Areas:		Yes
Landscaping/Irrigation:		Yes
Designated Pet Area:		Yes
Vending Machines:		No
	Wi-Fi:	No
Future •	Number of Ove	ersized Vehic
Considerations: •	Remaining Serv	vice Life for t
•	Remaining Serv	vice Life for t
•	Remaining Serv	vice Life for t



- Structure
- Remaining Service Life for the Water System
- Remaining Service Life for the Wastewater System •

SRA-32 Date: November 2, 2017

Area

Name:	Hathaway (West) Rest
Route:	I-94
Direction:	West
Reference Post:	112+0.400
Year Built:	1963
Jurisdiction:	District 4 – Glendive
Maintenance:	State Site
AADT (2017):	5062
Health Index:	60.2

	Map Number:	SRA-32
	Facility	Hathaway
	raciity.	(West)
Year Constructed	Reconstructed:	1963
Faci	lity Age (years):	55
Α	dvance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	8
Numbe	r of Truck Stalls:	11
	Telephone:	No
Was	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	3
Number of Restroo	om Stalls (Men):	3
Sep. ADA/Family	Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
N	Iunicipal Water:	No
Municip	oal Wastewater:	No
	Picnic Areas:	Yes
Landsca	ping/Irrigation:	Yes
Desig	nated Pet Area:	Yes
Ver	nding Machines:	No
	Wi-Fi:	No
Future •	Number of Over	sized Vehicle
Considerations: •	Remaining Servi	ce Life for the
•	Remaining Servi	ce Life for the
_	Pompining Com	colifo for the



- Parking
- Parking Area, Drainage, and Pavement Striping Quality
- Structure
- Remaining Service Life for the Water System
- Remaining Service Life for the Wastewater System •

SRA-33 Date: November 2, 2017

Name: Route: Direction: **Reference Post:** Year Built: Jurisdiction: Maintenance: AADT (2017): **Health Index:**

Hysham (East) Rest Area 1-94 East 064+0.796 2018 District 4 - Glendive State Site 5046 82.2

Map Number:	SRA-33
Fo cility y	Hysham
Facility:	(East)
Year Constructed/Reconstructed:	2018
Facility Age (years):	0
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	15
Number of Truck Stalls:	21
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	Yes
Future • Number of Ove	rsized Vehicle



Considerations:

•

Wastewater Site Constraints

SRA-34 Date: November 2, 2017

Name: Route: Direction: **Reference Post:** Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:

Hysham (West) Rest Area I-94 West 064+0.847 2018 District 4 – Glendive State Site 5046 80.8

Map Number:	SRA-34
Facility:	Hysham
·	(West)
Year Constructed/Reconstructed:	2018
Facility Age (years):	0
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	17
Number of Truck Stalls:	22
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	Yes
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	Yes
Future • Number of Over	sized Vehicle



Considerations:

e Parking Stalls

Wastewater Site Constraints •

SRA-35	Date: <u>Octobe</u>	<u>r 19, 2017</u>	
Name:	Jefferson City (N Area	orth) Rest	
Route:	I-15		
Direction:	North		
Reference Post:	177+0.506		
Year Built:	1972		
Jurisdiction:	District 2 – Butte	2	
	5161		
Health Index:	49.2		
	Map Number:	SRA-35	
		Jefferson	MARKARY STATISTICS
	Facility:	City (N)	
Year Construct	ed/Reconstructed:	1972	
F	acility Age (years):	46	
	Advance Signing:	Yes	
Number of Passe	nger Vehicle Stalls:	11	
Num	ber of Truck Stalls:	8	10 32
	Telephone:	No	New
V	Waste Receptacles:	Yes	
Number of Restroo	m Stalls (Women):	2	1 1 S. M. 14 //
Number of Rest	room Stalls (Men):	2	
Sep. ADA/Fam	ily Style Restroom:	No	
	Flush Toilet:	Yes	50 565
	Vault Toilet:	No	Kalispell
	Hand Dryers:	Yes	
Advance	ed WW Treatment:	No	RISSOULA
	Municipal Water:	No	Missoula
Mun	icipal Wastewater:	No	71-25
	Picnic Areas:	Yes	Butte
Land	scaping/Irrigation:	Yes	
De	signated Pet Area:	Yes	22
	Vending Machines:	No	S
	Wi-Fi:	No	
Future	Number of Ove	rsized Vehicle	e Parking Stalls
Considerations:	Remaining Serv	vice Life for th	e Parking Area
	Remaining Serv	vice Life for th	e Structure
	Remaining Serv	vice Lite for th	e Water System
	 Remaining Serv 	vice Lite for th	e Wastewater System



SRA-36	Date: <u>Octobe</u>	<u>r 19, 2017</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Jefferson City (Se Area I-15 South 178+0.233 1972 District 2 – Butte State Site 5161 47.5	outh) Rest
	Map Number:	SRA-36
	Facility:	Jefferson City (S)
Year Constructe	ed/Reconstructed:	1972
Fa	acility Age (years):	46
	Advance Signing:	Yes
Number of Passer	ger Vehicle Stalls:	9
Numl	ber of Truck Stalls:	4
	Telephone:	No
W	/aste Receptacles:	Yes
Number of Restroo	m Stalls (Women):	2
Number of Restr	room Stalls (Men):	2
Sep. ADA/Fami	ly Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advance	d WW Treatment:	No
	Municipal Water:	No
Muni	cipal Wastewater:	No
	Picnic Areas:	Yes
Lands	scaping/Irrigation:	Yes
Des	signated Pet Area:	Yes
v	ending Machines:	No
	Wi-Fi:	No
Future Considerations:	 Number of Over Remaining Servi Remaining Servi 	rsized Vehicle ice Life for the ice Life for the
•	 Remaining Servi 	ce Life for the
•	 Remaining Servi 	ce Life for the



Page 1 of 1

Date: <u>May 31, 2018</u>

Name:	L
Route:	ŀ
Direction:	Ν
Reference Post:	0
Year Built:	2
Jurisdiction:	C
Maintenance:	S
AADT (2017):	3
Health Index:	8

Lima Rest Area I-15 North 015+0.219 2011 District 2 – Butte State Site 3763 80.8

Map Number:	SRA-37
Facility:	Lima
Year Constructed/Reconstructed:	2010
Facility Age (years):	8
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	29
Number of Truck Stalls:	19
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Yes
Municipal Water:	Yes
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	No

•

•



Future Considerations: Number of Oversized Vehicle Parking Stalls

Wastewater Design Flow

Date: May 30, 2018

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:

Lost Trail Pass Rest Area US 93 (N-7) South 000+0.017 2001 District 1 – Missoula Other Site 988 69.2

	Map Number:	SRA-38
	Facility	Lost Trail
	Facility.	Pass
Year Constructed/R	Reconstructed:	2001
Facili	ty Age (years):	17
Ad	vance Signing:	Yes
Number of Passenger	Vehicle Stalls:	21
Number	of Truck Stalls:	6
	Telephone:	No
Wast	e Receptacles:	Yes
Number of Restroom St	alls (Women):	3
Number of Restroom	n Stalls (Men):	3
Sep. ADA/Family St	yle Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced W	W Treatment:	No
Mu	nicipal Water:	No
Municipa	l Wastewater:	No
	Picnic Areas:	Yes
Landscap	ing/Irrigation:	Yes
Design	ated Pet Area:	Yes
Vend	ling Machines:	No
	Wi-Fi:	No
Future •	Remaining Parki	ng Service Lif
Considerations: •	Source Water Re	emaining Serv



Wastewater Remaining Service Life

SRA-39 Date: October 27, 2017

Name: Route: Direction: **Reference Post:** Year Built: Jurisdiction: Maintenance: AADT (2017): **Health Index:**

Mosby Rest Area MT 200 (N-57) East 159+0.810 2005 District 5 - Billings State Site 499 51.3

Map Number	: SRA-39
Facility	r: Mosby
Year Constructed/Reconstructed	l: 2005
Facility Age (years)	: 13
Advance Signing	: Yes
Number of Passenger Vehicle Stalls	: 9
Number of Truck Stalls	;: 6
Telephone	: No
Waste Receptacles	: Yes
Number of Restroom Stalls (Women)	: 4
Number of Restroom Stalls (Men)	: 4
Sep. ADA/Family Style Restroom	i: Yes
Flush Toilet	:: Yes
Vault Toilet	: No
Hand Dryers	: Yes
Advanced WW Treatment	: Yes
Municipal Water	": No
Municipal Wastewater	: No
Picnic Areas	: Yes
Landscaping/Irrigation	: No
Designated Pet Area	i: Yes
Vending Machines	: No
Wi-Fi	i: No
Future•Number of Ov	ersized Vehicle
Considerations: • Facility Ventile	ation
 Mastowator (Inoration and m



Future	
Consideratior	1

- Parking Stalls
- Wastewater Operation and maintenance
- Wastewater Site Constraints

5RA-40	Date: May	<u>y 15, 2018</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Quartz Flats (Eas Area I-90 East 058+0.027 1967 District 1 – Misso State Site 6418 48.8	t) Rest Dula
	Map Number:	SRA-40
	Facility:	Quarts
Year Constructed	d/Reconstructed:	1967
Fa	cility Age (years):	51
	Advance Signing:	Yes
Number of Passeng	ger Vehicle Stalls:	26
Numb	er of Truck Stalls:	11
	Telephone:	No
W	aste Receptacles:	Yes
Number of Restroom	n Stalls (Women):	4
Number of Restro	oom Stalls (Men):	4
Sep. ADA/Family	y Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	Yes
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
I	Municipal Water:	No
Munic	ipal Wastewater:	No
	Picnic Areas:	Yes
Landso	caping/Irrigation:	Yes
Desi	ignated Pet Area:	Yes
Ve	ending Machines:	No
	Wi-Fi:	No
Future • Considerations: • •	Number of Over Remaining Servi Remaining Servi Wastewater Des	sized Vehicle ce Life for the ce Life for the sign Flow
•	Drain Field Site	Constraints
•	Remaining Servi	ce Life for the

SRA-41	Date: <u>Mar</u>	<u>y 15, 2018</u>
Name:	Quartz Flats (We	est) Rest
	Area	
Route:	I-90	
Direction:	West	
Reference Post:	058+0.219	
Year Built:	1967	
Jurisdiction:	District 1 – Misso	oula
Maintenance:	State Site	
AADT (2017):	6418	
Health Index:	45.5	
	Map Number:	SRA-41
	Facility:	Quartz Flats (W)
Year Constructe	ed/Reconstructed:	1967
F	acility Age (years):	51
	Advance Signing:	Yes
Number of Passer	nger Vehicle Stalls:	26
Numl	ber of Truck Stalls:	10
	Telephone:	No
V	Vaste Receptacles:	Yes
Number of Restroom	m Stalls (Women):	4
Number of Rest	room Stalls (Men):	4
Sep. ADA/Fami	ly Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	Yes
	Hand Dryers:	Yes
Advance	d WW Treatment:	No
	Municipal Water:	No
Muni	cipal Wastewater:	No
	Picnic Areas:	Yes
Lands	scaping/Irrigation:	Yes
De	signated Pet Area:	Yes
V	ending Machines:	No
	Wi-Fi:	No
Future	 Number of Over 	sized Vehicle
Considerations:	 Remaining Servi 	ce Life for th
•	 Remaining Servi 	ce Life for the
•	 Remaining Servi 	ce Life for the
•	Wastewater Des	sign Flow
•	 Drain Field Site 	Constraints

•



Remaining Service Life for the Wastewater System

Date: <u>April 24, 2018</u>

Name:	Raynolds Pass Re	est Area
Route:	US 287 (P-13)	
Direction:	South	
Reference Post:	015+0.877	
Year Built:	2015	
Jurisdiction:	District 2 - Butte	
Maintenance:	State Site	
AADT (2017):	1512	
Health Index:	86.2	
	Map Number:	SRA-42
	Facility:	Raynolds Pass
Year Constructed	/Reconstructed:	2015
Fac	ility Age (years):	3
l	Advance Signing:	Yes
Number of Passenger Vehicle Stalls:		15
Number of Truck Stalls:		10
Telephone:		No
Waste Receptacles:		Yes
Number of Restroom Stalls (Women):		3
Number of Restroom Stalls (Men):		3
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced WW Treatment:		Yes
Municipal Water:		No
Municipal Wastewater:		No
Picnic Areas:		Yes
Landscaping/Irrigation:		Yes
Desi	gnated Pet Area:	Yes
Ve	nding Machines:	No
	Wi-Fi:	No
Future • Considerations:	Wastewater Des	sign Flow



Date: March 9, 2018

Name: Route: Direction: **Reference Post:** Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:

Roberts Rest Area US 212 (P-28) South 084+0.590 1968 **District 5 - Billings** State Site 2873 42.8

Map Number:	SRA-43
Facility:	Roberts
Year Constructed/Reconstructed:	1968
Facility Age (years):	50
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	8
Number of Truck Stalls:	5
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	2
Number of Restroom Stalls (Men):	2
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	No
Future•Remaining Server	vice Life for the
Considerations:	vice Life for the
Source Canabili	ty to Meet Pe

•



uture	
Considerations:	

- Structure
- Source Capability to Meet Peak Daily Demand
- Remaining Service Life for the Water System
- Remaining Service Life for the Wastewater System

Date: May 17, 2018

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index: Sweet Grass Rest Area I-15 South 397+0.840 2002 District 3 – Great Falls State Site 1942 83.3

	Map Number:	SRA-44
Facility:		Sweet
		Grass
Year Constructed/	Reconstructed:	2002
Faci	ity Age (years):	16
A	dvance Signing:	Yes
Number of Passenge	r Vehicle Stalls:	14
Number	of Truck Stalls:	7
	Telephone:	Yes
Was	te Receptacles:	Yes
Number of Restroom S	stalls (Women):	4
Number of Restroo	m Stalls (Men):	4
Sep. ADA/Family S	tyle Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced V	VW Treatment:	No
м	unicipal Water:	Yes
Municip	al Wastewater:	Yes
	Picnic Areas:	Yes
Landscaping/Irrigation:		Yes
Desig	nated Pet Area:	Yes
Ven	ding Machines:	No
	Wi-Fi:	No
Future •	Number of Over	sized Vehicle
Considerations: •	Pavement Servio	ce Life
•	Interior Lighting	



SRA-45	Date: <u>Mar</u>	<u>y 18, 2018</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017):	Teton River (Nor Area I-15 North 318+0.705 1978 District 3 – Great State Site 4103	th) Rest t Falls
Health Index:	82.7	
	Map Number:	SRA-45
	Facility:	Teton River (North)
Year Constructe	ed/Reconstructed:	1978
Fa	acility Age (years):	40
	Advance Signing:	Yes
Number of Passen	ger Vehicle Stalls:	18
Numł	ber of Truck Stalls:	9
	Telephone:	No
N	Jaste Receptacles:	Yes
Number of Restroor	m Stalls (Women):	3
Number of Restr	room Stalls (Men):	3
Sep. ADA/Famil	ly Style Restroom:	Yes
, , , , , , , , , , , , , , , , ,	Flush Toilet:	Yes
	Vault Toilet:	 No
	Hand Drvers:	Yes
Advance	d WW Treatment:	No
	Municipal Water:	Yes
Muni	cipal Wastewater:	No
	Picnic Areas:	Yes
Lands	scaping/Irrigation:	Yes
Des	signated Pet Area:	Yes
V	ending Machines:	No
		No

141

SRA-46	Date: <u>Ma</u>	y 18, 2018	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017):	Teton River (Sou Area I-15 South 318+0.752 1978 District 3 – Grea State Site 4103	th) Rest t Falls	
Health Index:	84.3		
	Map Number: Facility:	SRA-46 Teton River (South)	
Year Constructe	ed/Reconstructed:	1978	
Fa	acility Age (years):	40	
	Advance Signing:	Yes	
Number of Passer	nger Vehicle Stalls:	20	A RO ST AND
Numl	ber of Truck Stalls:	10	CAR Man 1
	Telephone:	No	Totan Biran (Santh)
v	Vaste Receptacles:	Yes	Itton Aver (South)
Number of Restroo	m Stalls (Women):	3	
Number of Rest	room Stalls (Men):	3	
Sep. ADA/Fami	ly Style Restroom:	Yes	
	Flush Toilet:	Yes	5 C Shirt Stall Friday
	Vault Toilet:	No	Teton River
	Hand Dryers:	Yes	(South)
Advance	d WW Treatment:	No	DISTRICT Great Falls
	Municipal Water:	Yes	Missoula
Muni	cipal Wastewater:	No	Helena BILLINGS Miles City
	Picnic Areas:	Yes	Butter
Lands	scaping/Irrigation:	Yes	BUTTE-BOZEMAN Billings
De	signated Pet Area:	Yes	A CLAND
V	/ending Machines:	No	French
	Wi-Fi:	No	
Future Considerations:	Pavement StripiWastewater Op	ng Quality eration and N	faintenance

Date: May 16, 2018

Name:
Route:
Direction:
Reference Post:
Year Built:
lurisdiction:
Maintenance:
AADT (2017):
Health Index:

Troy Rest Area US 2 (N-1) East 017+0.042 1991 District 1 – Missoula State Site 2901 63.8

	Map Number:	SRA-47
	Facility:	Troy
Year Constructed	/Reconstructed:	1991
Fac	ility Age (years):	27
A	Advance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	24
Numbe	r of Truck Stalls:	5
	Telephone:	No
Waste Receptacles:		Yes
Number of Restroom Stalls (Women):		4
Number of Restroom Stalls (Men):		3
Sep. ADA/Family Style Restroom:		No
Flush Toilet:		Yes
Vault Toilet:		No
Hand Dryers:		Yes
Advanced	WW Treatment:	No
Ν	1unicipal Water:	No
Municipal Wastewater:		No
Picnic Areas:		Yes
Landscaping/Irrigation:		Yes
Designated Pet Area:		Yes
Vending Machines:		No
	Wi-Fi:	No
Future •	Remaining Servi	ce Life for the
Considerations:	Site Signage	



Facility Ventilation

•

- Remaining Service Life for the Water System
- Remaining Service Life for the Wastewater System

SRA-48 Date: October 26, 2017

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index: Vandalia Rest Area US 2 (N-1) West 527+0.205 1967 District 4 - Glendive State Site 1462 51.0

	Map Number:	SRA-48
	Facility:	Vandalia
Year Constructe	ed/Reconstructed:	1967
Fa	acility Age (years):	51
	Advance Signing:	Yes
Number of Passen	ger Vehicle Stalls:	14
Num	per of Truck Stalls:	3
	Telephone:	No
Ň	/aste Receptacles:	Yes
Number of Restroom	m Stalls (Women):	2
Number of Restr	oom Stalls (Men):	2
Sep. ADA/Fami	ly Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advance	d WW Treatment:	No
	Municipal Water:	No
Muni	cipal Wastewater:	No
	Picnic Areas:	Yes
Lands	scaping/Irrigation:	yes
Des	signated Pet Area:	No
v	ending Machines:	No
	Wi-Fi:	No
Future	 Remaining Servi 	ice Life for th
Considerations:	 Remaining Servi 	ice Life for th
•	 Source Capabilit 	ty to Meet P



Source Capability to Meet Peak Daily Deman Remaining Service Life for the Water System Remaining Service Life for the Wastewater System

•

Remaining Service Life for the Wastewater System

SRA-49 Date: October 26, 2017

Name:	١
Route:	ŀ
Direction:	E
Reference Post:	2
Year Built:	2
Jurisdiction:	0
Maintenance:	S
AADT (2017):	Э
Health Index:	8

Wibaux Rest Area -94 East 242+0.408 2001 District 4 – Glendive State Site 3482 32.0

Map Number:	SRA-49
Facility:	Wibaux
Year Constructed/Reconstructed:	2001
Facility Age (years):	13
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	27
Number of Truck Stalls:	8
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	2
Number of Restroom Stalls (Men):	2
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	No
Municipal Water:	Yes
Municipal Wastewater:	Yes
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	Yes
Vending Machines:	No
Wi-Fi:	No
Future • Number of Over	rsized Parkin

•

Considerations:


Date: May 15, 2018

Name:	Alberton (East) Parking Area
Route:	I-90
Direction:	East
Reference Post:	072+0.008
Year Built:	1966
Jurisdiction:	District 1 - Missoula
Maintenance:	State Site
Maintenance:	State Site
AADT (2017):	7514
Health Index:	8.0

Map Number:	SPA-1
Facility:	Alberton (East)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	15
Number of Truck Stalls:	5
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	0
Number of Restroom Stalls (Men):	0
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	No
Vault Toilet:	Yes
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Area:	No
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



SPA-2	Date:	May 15, 2018	
Name: A Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Alberton (West) I-90 West 073+0.324 1966 District 1 - Misso State Site 7514 7.5	Parking Area	
	Map Number:	SPA-2	
	Facility:	Alberton (West)	
Year Constructed/F	Reconstructed:	Unknown	Alberton (West)
Facili	ty Age (years):	Unknown	ADDITION (WISH)
Ad	vance Signing:	Yes	
Number of Passenger	Vehicle Stalls:	7	Mingan and and in
Number	of Truck Stalls:	2	
	Telephone:	No	
Wast	e Receptacles:	Yes	
Number of Restroom St	talls (Women):	0	
Number of Restroor	m Stalls (Men):	0	Super cast oppositive overprivate of statistical provided in the statistical statis
Sep. ADA/Family St	tyle Restroom:	No	
	Flush Toilet:	No	S S SELLE IN ILLE
	Vault Toilet:	Yes	Kalispell GREAT FALLS
	Hand Dryers:	No	Alberton
Advanced W	/W Treatment:	No	(West) Great Falls
Mu	unicipal Water:	No	Missoula Contraction of
Municipa	al Wastewater:	No	Helena BILLINGS MI
	Picnic Area	No	Butter
Landscar	oing/Irrigation	No	parrier Bozeman Billings
Decign	ated Pet Δrea	Yes	VT CC-X 15
Van	ding Machines	No	hand
venc	ang wachines:	NU	

SPA-3	Date	: <u>May 31, 2018</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Barretts Parking I-15 South 155+0.116 1966 District 2 – Butte State Site 4262 5.0	Area
	Man Number:	SDV-3
	Facility:	Barretts
Year Constructed	/Reconstructed:	Unknown
Fac	ility Age (years):	Unknown
ļ	Advance Signing:	No
Number of Passeng	er Vehicle Stalls:	9
Numbe	or of Truck Stalls:	0
Numbe	Telenhone:	No
Wa	ste Recentacles:	Yes
Number of Restroom	Stalls (Women):	0
Number of Restro	stalls (Mon):	0
Son ADA/Family	Style Postroom	No
Sep. ADA/ Family	Style Restroom:	No
	Flush Tollet:	No
	Vault Toilet:	No
	Hand Dryers:	NO
Advanced	WW Treatment:	No
N	/lunicipal Water:	No
Munici	pal Wastewater:	No
	Picnic Area:	No
Landsca	aping/Irrigation:	No
Desig	gnated Pet Area:	No
Ve	nding Machines:	No
	Wi-Fi:	No

SPA-4	Date:	May 17, 201
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017):	Dupuyer Rest Ard US 89 (P-3) South 076+0.000 1985 District 3 – Great State Site 593	ea Falls
Health Index:	12.0 Map Number:	SPA-4
	Facility:	Dupuyer
Year Constructed	/Reconstructed:	1985
Fac	cility Age (years):	33
	Advance Signing:	Νο
Number of Passeng	er Vehicle Stalls	8
Number	or of Truck Stalls:	2
NUMBE		5 No
14/-	Telephone:	NO
Wa	iste Receptacies:	Yes
Number of Restroom	Stalls (Women):	0
Number of Restro	om Stalls (Men):	0
Sep. ADA/Family	Style Restroom:	No
	Flush Toilet:	No
	Vault Toilet:	Yes
	Hand Dryers:	No
Advanced	, WW Treatment:	Νο
	Aunicinal Water:	No
		No
Munici	pal Wastewater:	NO
	Picnic Area:	Yes
Landsc	aping/Irrigation:	Yes
Desi	gnated Pet Area:	Yes
Ve	nding Machines:	No
	Wi-Fi:	No

Date: <u>May 30, 2018</u>

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Homestake Pass Area I-90 East 234+0.937 1966 District 2 – Butte State Site 7958 15.0	(East) Parking
	Map Number:	SPA-5
	Facility:	Homestake Pass (East)
Year Constructed	/Reconstructed:	Unknown
Fac	ility Age (years):	Unknown
<i>I</i>	Advance Signing:	Yes
Number of Passenge	er Vehicle Stalls:	15
Numbe	r of Truck Stalls:	10
	Telephone:	No
Wa	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	0
Number of Restro	om Stalls (Men):	0
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	No
	Vault Toilet:	Yes
	Hand Dryers:	No
Advanced	WW Treatment:	No
N	Iunicipal Water:	No
Munici	pal Wastewater:	No
	Picnic Area:	No
Landsca	aping/Irrigation:	No
Desig	gnated Pet Area:	No
Ve	nding Machines:	No
	Wi-Fi:	No



Date: May 30, 2018

Name:	Homestake Pass	(West) Parking
Pouto	Area	
Roule:	1-90	
Poforonce Post:	724±0 078	
Vear Built	1966	
lurisdiction:	District 2 – Butte	
Maintenance:	State Site	
AADT (2017):	7958	
Health Index:	9.0	
	Map Number:	SPA-6
	Facility	Homestake
	racincy.	Pass (West)
Year Constructed	/Reconstructed:	Unknown
Fac	ility Age (years):	Unknown
	Advance Signing:	Yes
Number of Passeng	er Vehicle Stalls:	14
Numbe	er of Truck Stalls:	10
	Telephone:	No
Wa	ste Receptacles:	Yes
Number of Restroom	Stalls (Women):	0
Number of Restro	om Stalls (Men):	0
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	No
	Vault Toilet:	Yes
	Hand Dryers:	No
Advanced	WW Treatment:	No
Ν	/unicipal Water:	No
Munici	pal Wastewater:	No
	Picnic Area:	No
Landsc	aping/Irrigation:	No
Desi	gnated Pet Area:	No
Ve	nding Machines:	No
	Wi-Fi:	No



SPA-7 Date: October 27, 2017 Name: Livingston (East) Parking Area **Route:** 1-90 Direction: East **Reference Post:** 326+0.522 Year Built: Unknown Jurisdiction: District 2 - Butte Maintenance: State Site AADT (2017): 15124 **Health Index:** 12.0 -1-90 W Map Number: SPA-7 Livingston 1-90 I Facility: (East) Year Constructed/Reconstructed: Unknown Unknown Facility Age (years): **Advance Signing:** Yes Number of Passenger Vehicle Stalls: 17 Livingston (East) Number of Truck Stalls: 13 Telephone: No Waste Receptacles: Yes Number of Restroom Stalls (Women): 0 Number of Restroom Stalls (Men): 0 Sep. ADA/Family Style Restroom: No Flush Toilet: No Vault Toilet: Yes Kalispell DISTRICT Hand Dryers: No DISTRIC Great Falls Advanced WW Treatment: No GLENDIVE Missoula **Municipal Water:** No Helena DISTRICT Miles City Municipal Wastewater: No Butte Bozeman Picnic Area: Billings No Livingston Landscaping/Irrigation: No (East) **Designated Pet Area:** No **Vending Machines:** No Wi-Fi: No

SPA-8	Date: <u>Oc</u>	<u>tober 25, 2017</u>
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Locate Parking A US 12 (P-2) West 043+0.607 1966 District 4 - Glenc State Site 860 11.5	irea live
	Map Number:	SPA-8
	Facility:	Locate
Year Constructed/I	Reconstructed:	Unknown
Facili	ity Age (years):	Unknown
Ad	Ivance Signing:	Yes
Number of Passenger	Vehicle Stalls:	8
Number	of Truck Stalls:	6
	Telephone:	No
Wast	te Receptacles:	Yes
Number of Restroom S	talls (Women):	0
Number of Restroo	m Stalls (Men):	0
Sep. ADA/Family S	tyle Restroom:	No
	Flush Toilet:	No
	Vault Toilet:	Yes
	Hand Dryers:	No
Advanced W	W Treatment:	No
Mu	unicipal Water:	No
Municipa	al Wastewater:	No
	Picnic Area:	No
Landscar	oing/Irrigation:	Yes
Design	ated Pet Area:	No
Vend	ding Machines:	No
	Wi-Fi:	No

Date: <u>April 27, 2018</u>

Name:	Lyons Creek (North) Parking Area
Route:	I-15
Direction:	North
Reference Post:	221+0.933
Year Built:	1965
Jurisdiction:	District 3 – Great Falls
Maintenance:	State Site
AADT (2011):	4858
Health Index:	8.0

Map Number:	SPA-9
Facility	Lyons Creek
Facility:	(North)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	10
Number of Truck Stalls:	2
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	0
Number of Restroom Stalls (Men):	0
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	No
Vault Toilet:	Yes
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Area:	No
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



Date: <u>April 27, 2018</u>

Name:	Lyons Creek (South) Parking Area
Route:	I-15
Direction:	South
Reference Post:	222+0.053
Year Built:	1966
Jurisdiction:	District 3 – Great Falls
Maintenance:	State Site
AADT (2017):	4858
Health Index:	8.0

Map Number:	SPA-10
Facility:	Lyons Creek
	(South)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	No
Number of Passenger Vehicle Stalls:	10
Number of Truck Stalls:	2
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	0
Number of Restroom Stalls (Men):	0
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	No
Vault Toilet:	Yes
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Area:	No
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



Date: <u>May 31, 2018</u>

Name:	Red Rocks (North) Parking Area
Route:	I-15
Direction:	North
Reference Post:	033+0.843
Year Built:	Unknown
Jurisdiction:	District 2 – Butte
Maintenance:	State Site
AADT (2017):	3753
Health Index:	8.0

Map Number:	SPA-11
Facility:	Red Rocks
	(North)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	12
Number of Truck Stalls:	9
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	0
Number of Restroom Stalls (Men):	0
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	No
Vault Toilet:	Yes
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Area:	No
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



Date: <u>May 31, 2018</u>

Name:	Red Rocks (South) Parking Area
Route:	I-15
Direction:	South
Reference Post:	033+0.817
Year Built:	Unknown
Jurisdiction:	District 2 – Butte
Maintenance:	State Site
AADT (2017):	3753
Health Index:	8.0

Map Number:	SPA-12
Facility	Red Rocks
Facility.	(South)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	8
Number of Truck Stalls:	7
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	0
Number of Restroom Stalls (Men):	0
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	No
Vault Toilet:	Yes
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Area:	No
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



Date: June 1, 2018

t
t
+0.454
nown
rict 1 – Missoula
e Site
41
ł

Map Number:	SPA-13
	Rock Creek
Facility:	(East)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	16
Number of Truck Stalls:	6
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	0
Number of Restroom Stalls (Men):	0
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	No
Vault Toilet:	Yes
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	No
Municipal Wastewater:	No
Picnic Area:	No
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



SPA-14	Date	2: <u>June 1, 2018</u>	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index:	Rock Creek (Wes I-90 West 127+0.561 Unknown District 1 – Miss State Site 10841 8.5	st) Parking Area oula	
	Map Number:	SPA-14	
	Facility:	Rock Creek	
Year Constructe	d/Reconstructed:	Unknown	
Fa	cility Age (years):	Unknown	Rock Creek (We
	Advance Signing:	Yes	
Number of Passen	ger Vehicle Stalls:	15	
Numb	er of Truck Stalls:	6	1.90 11
	Telephone:	No	I SO E
W	aste Receptacles:	Yes	i's the and
Number of Restroor	n Stalls (Women):	0	and the second
Number of Restr	oom Stalls (Men):	0	and the second sec
Sep. ADA/Famil	y Style Restroom:	No	
	Flush Toilet:	No	Frank and the state of the stat
	Vault Toilet:	Yes	Kalispell
	Hand Dryers:	No	MISSOULA DISTRICT Great Falls
Advanced	d WW Treatment:	NO	Miconda Constanting of the original sector of
	Municipal Water:	No	Helena Billings Mil
Munic	cipal Wastewater:	No	Rock Creek
	Picnic Area:	No	Bozeman Billings
Lands	caping/Irrigation:	No	A A A A
Des	signated Pet Area:	NO	Fred
V	ending Machines:	No	
	WI-Fi:	INO	

GLENDIVE

Miles City

Date: May 29, 2018

Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2017): Health Index: Health Index: Vista Point Rest Area US 212 (P-28) North 049+0.130 1995 District 5 - Billings State Site 719 24.00 12.0







CPRA-1	Date: <u>Februar</u>	<u>y 28, 2014</u>	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Big Sandy City P Area US 87 (N-10) North 079+0.290 1991 District 3 – Grea City Site 1980	ark Rest t Falls	
	Map Number:	CPRA-1	
	Facility:	Big Sandy	
Year Constructed,	Reconstructed:	1991	Rig Sandy
Faci	lity Age (years):	23	and the second s
Α	dvance Signing:	Yes	
Number of Passenge	er Vehicle Stalls:	14	
Numbe	r of Truck Stalls:	4	
	Telephone:	No	
Was	ste Receptacles:	Yes	
Number of Restroom	Stalls (Women):	1	
Number of Restroo	om Stalls (Men):	1	
Sep. ADA/Family	Style Restroom:	No	50 GALLE VE IN
	Flush Toilet:	Yes	Havre
	Vault Toilet:	No	BREAT FALLS
	Hand Dryers:	Yes	BISTRICT Great Falls
Advanced	WW Treatment:	No	Missoula
N	lunicipal Water:	Yes	Helena BILLINGS Mil
Municip	oal Wastewater:	Yes	Butter
	Picnic Areas:	Yes	Butte-Bozeman Billings
Landsca	ping/Irrigation:	Yes	A MACHANA
Desig	nated Pet Area:	No	Fred
Ver	nding Machines:	Yes	
	Wi-Fi:	No	

CPRA-2 Date: Febru	iary 28, 2014	
Name:Chester City IRoute:US 2 (N-1)Direction:EastReference Post:322+0.302Year Built:1986Jurisdiction:District 3 – GMaintenance:City SiteAADT (2011):2080	Park Rest Area reat Falls	RY DIAP RESTROOMS
Non Numb		Creat Nuclears
Wap Numbe	er: CPKA-2	PART A DE D
Year Constructed/Reconstructe	d: 1986	
Facility Age (vear	s): 28	Chastan
Advance Signin	ig: Yes	Carser Carser
Number of Passenger Vehicle Stal	s : 30	IS HIGHWAY 2
Number of Truck Stal	ls: 0	
Telephon	e: No	
Waste Receptacle	es: Yes	THE PARTY OF THE P
Number of Restroom Stalls (Womer	n): 2	
Number of Restroom Stalls (Mer	n): 2	
Sep. ADA/Family Style Restroor	m: No	
Flush Toile	et: Yes	Pro Havre Havre
Vault Toile	et: Yes	Kalispell GREAFFALLS Chester
Hand Drye	rs: Yes	MISSOULA DISTRICT
Advanced WW Treatmer	nt: No	Great Fails
Municipal Wate	er: Yes	Missoula
Municipal Wastewate	er: Yes	A A A DISTRICT
Picnic Area	as: Yes	Butte Bozeman Billings
Landscaping/Irrigatio	n: No	OTSTRICT
Designated Pet Are	a: Yes	SC ST CO
Vending Machine	es: No	Prove of
	Fi: No	L

GLENDIVE DISTRICT

Miles City

CPRA-3 Date: February	<u>y 28, 2014</u>
Name:Cut Bank City Pa AreaRoute:US 2 (N-1)Direction:WestReference Post:255+0.649Year Built:1988Jurisdiction:District 3 – GreatMaintenance:City SiteAADT (2011):2760	rk Rest t Falls
Map Number:	CPRA-3
Facility:	Cut Bank
Year Constructed/Reconstructed:	1988
Facility Age (years):	26
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	28
Number of Truck Stalls:	0
Nasta Pasantaclas:	
Number of Postroom Stells (Momon):	1
Number of Restroom Stalls (women):	4
Number of Restroom Stalls (Men):	4
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	No
Municipal Water:	Yes
Municipal Wastewater:	Yes
Picnic Areas:	Yes
Landscaping/Irrigation:	Yes
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No

GLENDIVE

Miles City

PRA-4 Date: <u>Februar</u>	ry 28, 2014	
Name:Ennis City ParkRoute:US 287 (P-13)Direction:NorthReference Post:048+0.649Year Built:1999Jurisdiction:District 2 – ButtMaintenance:City SiteAADT (2011):2510	Rest Area	
Map Number:	CPRA-4	
Facility:	Ennis	
Year Constructed/Reconstructed:	1999	
Facility Age (years):	15	
Advance Signing:	No	
Number of Passenger Vehicle Stalls:	30	
Number of Truck Stalls:	0	mat 1
Telephone:	No	AND
Waste Receptacles:	Yes	
Number of Restroom Stalls (Women):	2	and the second s
Number of Restroom Stalls (Men):	2	
Sep. ADA/Family Style Restroom:	No	
Flush Toilet:	Yes	ES SALLE IN
Vault Toilet:	No	Kalispell
Hand Dryers:	Yes	MISSOULA
Advanced WW Treatment:	No	Great Falls
Municipal Water:	Yes	Missoula
Municinal Wastewater	Yes	Helena
Dicnic Areas	Yes	Butter
Landscaning/Irrigation	Yes	Butte Bozeman
Designated Pet Area	No	Ennis
Vending Machines:	Yes	Freed
Wi_Ei	No	

GLENDIVE

Miles City

CPRA-5 Da	ate: <u>Februar</u>	y 28, 2014	
Name:LARoute:Direction:EReference Post:0Year Built:1Jurisdiction:DMaintenance:CAADT (2011):2	ewistown City I Irea IS 87 (N-57) ast 80+0.399 998 District 5 - Billing ity Site 510	Park Rest gs	<text></text>
	Man Number:	CPRA-5	
	Facility	Lewistown	ATTIN A ATTIN AND A ATTIN A AT
Year Constructed/R	econstructed:	1998	
Facilit	y Age (years):	16	
Adv	ance Signing:	No	
Number of Passenger	Vehicle Stalls:	8	
Number o	of Truck Stalls:	0	Lewistown
	Telephone:	No	
Waste	e Receptacles:	Yes	
Number of Restroom Sta	alls (Women):	2	
Number of Restroom	Stalls (Men):	2	
Sep. ADA/Family St	yle Restroom:	No	
	Flush Toilet:	Yes	The second the transfer to the
	Vault Toilet:	No	Kalispell
	Hand Dryers:	Yes	MISSOULA Margiert Great Fails Lewistown
Advanced W	W Treatment:	No	
Mu	nicipal Water:	Yes	Helena Billings
Municipal	Wastewater:	Yes	A A A A A A A A A A A A A A A A A A A
	Picnic Areas:	Yes	Butte-Bozeman Billings
Landscapi	ing/Irrigation:	No	A A A A A A A A A A A A A A A A A A A
Designa	ted Pet Area:	No	James Harrison and H
Vend	ing Machines:	No	A a
	Wi-Fi:	No	

CPRA-6	Date: Februar	y 28, 2014
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Malta City Park I US 2 (N-1) West 471+0.811 1992 District 4 - Glenc City Site 3000	Rest Area live
	Map Number:	CPRA-6
	Facility:	Malta
Year Construct	ed/Reconstructed:	1992
F	acility Age (years):	22
	Advance Signing:	Yes
Number of Passe	nger Vehicle Stalls:	8
Num	ber of Truck Stalls:	0
	Telephone:	No
V	Vaste Receptacles:	Yes
Number of Restroo	m Stalls (Women):	2
Number of Rest	room Stalls (Men):	2
Sep. ADA/Fam	ily Style Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advance	ed WW Treatment:	No
	Municipal Water:	Yes
Mun	icipal Wastewater:	Yes
	Picnic Areas	Yes
hel	scaping/Irrigation	Yes
De	signated Pet Area:	Yes
	Vending Machines:	No
	Wi-Fi:	No



Malta

GLENDIVE

Miles City



Hay

BILLINGS DISTRICT

Billings

CPRA-7	Date: <u>Februar</u>	<u>y 28, 2014</u>	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Plentywood City Area MT 5 & MT 16 (I South 042+0.581 1992 District 4 – Glen City Site 2180	9 Park Rest N-22) dive	
	Map Number:	CPRA-7	
	Facility:	Plentywood	
Year Construct	ed/Reconstructed:	1992	I I I I I I I I I I I I I I I I I I I
F	acility Age (years):	22	
	Advance Signing:	Yes	
Number of Passer	nger Vehicle Stalls:	24	Plentywood
Num	ber of Truck Stalls:	0	
	Telephone:	No	
V	Vaste Receptacles:	Yes	
Number of Restroo	m Stalls (Women):	2	And a state of the
Number of Rest	room Stalls (Men):	2	and the physical sector and th
Sep. ADA/Fami	ly Style Restroom:	No	
· ·	Flush Toilet:	Yes	ES SENTE IN PROVE
	Vault Toilet:	No	Kalispell
	Hand Dryers:	Yes	Insource to District
Advance	d WW Treatment:	No	Great Falls GLEA
	Municipal Water:	Yes	Missoula
Muni	cinal Wastewater	Yes	Helena BILLINGS Mile
wan	Dicnic Areas	Ves	Butter
hel	scaning/Irrigation	N/A	DISTRICT DISTRICT
	signated Pet Area	No	
	/ending Machines	No	man and
•	W/i_Ei·	No	

CPRA-8	Date: <u>Februar</u>	<u>y 28, 2014</u>	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Roundup City Pa Area US 12 (N-14) West 169+0.705 1996 District 5 – Billin City Site 1490	ırk Rest gs	
	Man Number:		
	Facility:	Roundup	
Year Constructe	d/Reconstructed:	1996	
Fa	cility Age (years):	18	
	Advance Signing:	Yes	Roundup
Number of Passen	ger Vehicle Stalls:	24	The same
Numb	er of Truck Stalls:	0	
	Telephone:	No	
W	aste Receptacles:	Yes	
Number of Restroor	n Stalls (Women):	1	
Number of Restr	oom Stalls (Men):	1	
Sep. ADA/Famil	y Style Restroom:	No	
	Flush Toilet:	Yes	
	Vault Toilet:	No	Kalispell
	Hand Dryers:	Yes	MISSOFIA DISTRICT
Advance	d WW Treatment:	No	Great Fails
	Municipal Water:	Yes	Missoula
Munio	cipal Wastewater:	Yes	DISTRICT Miles
	Picnic Areas:	Yes	Bufferte Bozeman Billings
Lands	caping/Irrigation:	Yes	DISTRICT
Des	ignated Pet Area:	No	5
V	ending Machines:	No	Come of
	۱۸/: Г .	No	

CPRA-9	Date: <u>Februar</u>	y 28, 2014
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Twin Bridges Cit Area MT 41 (P-49) South 027+0.393 1993 District 2 – Butte City Site 2320	y Park Rest
	Map Number:	CPRA-9
	Facility:	Twin Bridges
Year Constructed	d/Reconstructed:	1993
Fac	cility Age (years):	21
	Advance Signing:	Yes
Number of Passeng	er Vehicle Stalls:	17
Numbe	er of Truck Stalls:	4
	Telephone:	No
Wa	aste Receptacles:	Yes
Number of Restroom	Stalls (Women):	2
Number of Restro	oom Stalls (Men):	2
Sep. ADA/Family	Style Restroom:	Yes
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced	WW Treatment:	No
۲	Municipal Water:	Yes
Munici	ipal Wastewater:	Yes
	Picnic Areas:	Yes
Landso	aping/Irrigation:	Yes
Desi	gnated Pet Area:	Yes
Ve	ending Machines:	No
	Wi-Fi:	No

A. 40

CPRA-10 Date: February 28, 2014

Name:

Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011): Whitefish City Park Rest Area US 93 (N-5) South 128+0.965 1996 District 1 – Missoula City Site 6510

Map Number:	CPRA-10
Facility:	Whitefish
Year Constructed/Reconstructed:	1996
Facility Age (years):	18
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	6
Number of Truck Stalls:	0
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	2
Number of Restroom Stalls (Men):	2
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	No
Advanced WW Treatment:	No
Municipal Water:	Yes
Municipal Wastewater:	Yes
Picnic Areas:	No
Landscaping/Irrigation:	Yes
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



OS-1	Date: <u>Februar</u>	y 28, 2014	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Choteau Rest Ar (US 89) P-3 North 0+41.790 1998 District 3 – Grea City Site 2140	ea t Falls	
Vear Construct	Map Number: Facility:	OS-1 Choteau	
Year Construct	Eacility Age (years):	1998	
	Advance Signing:	10 Vec	
Number of Passe	onger Vehicle Stalls:	8	Choteau
Num	ber of Truck Stalls:	0	STATE SELAN
	Telephone:	No	
	Waste Receptacles:	Yes	
Number of Restroe	om Stalls (Women):	2	
Number of Res	troom Stalls (Men):	2	
Sep. ADA/Fam	ily Style Restroom:	No	
	Flush Toilet:	Yes	A CALL HAVE
	Vault Toilet:	No	Kalispell
	Hand Dryers:	Yes	MISSOULA GREAT FALLS
Advanc	ed WW Treatment:	Unknown	Great Falls
	Municipal Water:	Unknown	Helena, BILLINGS
Mur	icipal Wastewater:	Unknown	A A A A A A A A A A A A A A A A A A A
	Picnic Areas:	Yes	Butte-Bozeman Billings
Land	dscaping/Irrigation:	Yes	12 March
De	esignated Pet Area:	Yes	Fred
	Vending Machines:	Yes	
	Wi-Fi:	NO	

ity

5-2	Date: <u>Feb</u>	ruary 28, 2014	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Lolo Pass Parkin US 12 (N-93) North 000+0.000 Unknown District 1 – Misse Other Site 790	g Area oula	
	Map Number:	OS-2	A CONTRACTOR OF THE ACTION OF
	Facility:	Lolo Pass	
Year Constructed	I/Reconstructed:	Unknown	Lolo Pass
Fac	cility Age (years):	Unknown	
	Advance Signing:	Yes	
Number of Passeng	er Vehicle Stalls:	56	
Numbe	er of Truck Stalls:	15	
	Telephone:	Yes	
Wa	ste Receptacles:	Yes	and the second
Number of Restroom	Stalls (Women):	3	
Number of Restro	om Stalls (Men):	3	The second s
Sep. ADA/Family	Style Restroom:	Yes	
	Flush Toilet:	Yes	S C S R HE I VI WILL FAM
	Vault Toilet:	No	Kalispell
	Hand Dryers:	Yes	L MISSOTTA
Advanced	WW Treatment:	Unknown	Great Falls GLENDIVE
r	Municipal Water:	Unknown	Missoula
Munici	pal Wastewater:	Unknown	Lolo Pass Billings Miles City
	Picnic Area:	Yes	Butte
Landso	aping/Irrigation:	Yes	plarner bizeman dings
Desi	gnated Pet Area:	Yes	X WIN IN
	nding Machines	No	bund
ve		Ves	

OS-3

Date: February 28, 2014

Name:	Ravalli Hill (North) Parking Area
Route:	US 93 (N-5)
Direction:	North
Reference Post:	029+0.145
Year Built:	Unknown
Jurisdiction:	District 1 - Missoula
Maintenance:	Other Site
AADT (2011):	5740

Map Number:	OS-3
Eacility	Ravalli Hill
	(North)
Year Constructed/Reconstructed:	Unknown
Facility Age (years):	Unknown
Advance Signing:	Yes
Number of Passenger Vehicle Stalls:	11
Number of Truck Stalls:	3
Telephone:	No
Waste Receptacles:	Yes
Number of Restroom Stalls (Women):	2
Number of Restroom Stalls (Men):	2
Sep. ADA/Family Style Restroom:	No
Flush Toilet:	Yes
Vault Toilet:	No
Hand Dryers:	Yes
Advanced WW Treatment:	Unknown
Municipal Water:	Unknown
Municipal Wastewater:	Unknown
Picnic Area:	Yes
Landscaping/Irrigation:	No
Designated Pet Area:	No
Vending Machines:	No
Wi-Fi:	No



OS-4	Date: <u>Feb</u>	ruary 28, 2014
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Ravalli Hill (Sout US 93 (N-5) South 029+0.268 Unknown District 1 – Misso Other Site 5740	h) Parking Area Dula
	Map Number:	OS-4 Bavalli Hill
Voor Constructed /	Facility:	(South)
Facili	ity Age (years):	Voc
Number of Passanger	Vehicle Staller	10
Number	of Truck Stalle	3
Namber	Telephone:	No
Wast	te Receptacles:	Yes
Number of Restroom S	talls (Women):	2
Number of Restroo	m Stalls (Men):	2
Sep. ADA/Family S	tyle Restroom:	No
	Flush Toilet:	Yes
	Vault Toilet:	No
	Hand Dryers:	Yes
Advanced W	W Treatment:	Unknown
Μι	unicipal Water:	Unknown
Municipa	al Wastewater:	Unknown
	Picnic Area:	Yes
Landscap	oing/Irrigation:	No
Design	ated Pet Area:	No
Vend	ding Machines:	No
		Νο

GLENDIVE

Miles City

OS-5	Date: <u>Februar</u>	y 28, 2014
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Summit Rest Are US 2 (N-1) East 197+00.67 Unknown District 1 – Misse Other Site 1500	ea oula
	Man Number:	05-5
	Facility:	Summit
Year Construct	ed/Reconstructed:	Unknown
F	acility Age (years):	Unknown
	Advance Signing:	No
Number of Passer	nger Vehicle Stalls:	24
Num	ber of Truck Stalls:	9
	Telephone:	No
v	Vaste Receptacles:	Yes
Number of Restroo	m Stalls (Women):	0
Number of Rest	room Stalls (Men)	0
Sen, ADA/Fami	ly Style Restroom:	Yes
Jep. ADA/ rdill		No.
	Vault Tollet:	Yes
	Hand Dryers:	INO
Advance	a ww Treatment:	NO
	Municipal Water:	No
Muni	cipal Wastewater:	No
	Picnic Areas:	No
Land	scaping/Irrigation:	No
De	signated Pet Area:	No
\\	/ending Machines:	No
	Wi-Fi:	No

)S-6	Date: Februar	y 28, 2014	
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	West Yellowstor US 287 (N-50) South 000+0.080 1997 District 2 – Butte Other Site 4720	ne Rest Area	
	Map Number:	OS-6	THELOWSTON FAIL
	Facility:	West	
Year Construct	ted/Reconstructed:	Yellowstone 1997	
	Facility Age (years):	17	
	Advance Signing:	No	
Number of Passe	nger Vehicle Stalls:	52	West Yellowston
Num	ber of Truck Stalls:	0	
	Telephone:	No	an amanda and a second and a
	Waste Receptacles:	Yes	
Number of Restroc	om Stalls (Women):	4	
Number of Rest	troom Stalls (Men):	4	
Sep. ADA/Fam	ily Style Restroom:	Yes	5 A basit it it
	Flush Toilet:	Yes	Have Ly
	Vault Toilet:	No	Kalispell GREAT FALLS DISTRICT
	Hand Dryers:	Yes	bistrict Great Falls
Advance	ed WW Treatment:	Unknown	Missoula
	Municipal Water:	Unknown	Helena
Mun	icipal Wastewater:	Unknown	
	Picnic Areas:	Yes	Butte Bozeman Billings
Lanc	scaping/Irrigation:	N/A	West Vellowstor
De	esignated Pet Area:	No	These relieves to
	Vending Machines:	No	2
	Wi-Fi:	No	

)S-7	Date: <u>Februar</u>	y 28, 2014						
Name: Route: Direction: Reference Post: Year Built: Jurisdiction: Maintenance: AADT (2011):	Wibaux Rest Are I-94 East 242+0.408 2001 District 4 – Glen Other Site 2860	ea dive						
	Map Number:	OS-7	A STANDARD		1-94 F			R. I. II.
	Facility:	Wibaux				Cherry Party I		No.
Year Constructed	d/Reconstructed:	2001	1100	C. In	A STATE	A		
Fa	cllity Age (years):	13	13	Maria L	Wibaux			27
Number (D	Advance Signing:	Yes			a +ll			the st
Number of Passeng	ger venicle Stalls:	27			-		15	ALL .
Numb	er of Truck Stalls:	8	Call States	A PAL THE A				101
	Telephone:	No	1	No. Sand				
Wi		res		and a start				100
Number of Kestroom		2				Con Palso		
Number of Restro	oom Stalls (Men):	2						
Sep. ADA/Family	y Style Restroom:	NO	5 6	1 58	1 ME		18	
	Flush Toilet:	Yes	In	Kalispell	X15	Ha	vre	-
	Vault Toilet:	No	2 -	A.	> the	EAT FALLS	- F	
	Hand Dryers:	Yes	Ser and	DISTRICT	Grea	t Falls	324	1
Advanced	WW Treatment:	Unknown		Missoula	RA	- gr G	the	L
	Municipal Water:	Unknown		717	Helena	1A	BILLINGS	-
Munic	ipal Wastewater:	Unknown		50	Butte	311	T	T
	Picnic Areas:	Yes			BUTTE	Bozeman	Billings	h
Landso	caping/Irrigation:	Yes		5	2 M		X	1
Desi	ignated Pet Area:	Yes		Z	Sont	Z		
Ve	ending Machines:	No						
	Wi-Fi:	No						

-

16

Attachment 12

IMPROVEMENT COSTS

Improvement Cost Estimates - Rest Areas

Rest Area Name Estimated Cost Health Scor 1 Anaconda Rest Area \$1,023,859 62.2 2 Armington Junction Rest Area \$421,098 56.8 3 Bad Route Rest Area \$33,100,993 57.5 4 Bearmouth (East) Rest Area \$33,030 88.2 5 Bearmouth (West) Rest Area \$34,645 88.2 6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$309,705 85.3 7 Bridger Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Columbus (West) Rest Area \$260 96.0 13 Culbertson Rest Area \$31,679 87.7 14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$62,040 77.5 18
1 Anaconda Rest Area \$1,023,859 62.2 2 Armington Junction Rest Area \$421,098 56.8 3 Bad Route Rest Area \$33,100,993 57.5 4 Bearmouth (East) Rest Area \$35,030 88.2 5 Bearmouth (West) Rest Area \$34,645 88.2 6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$309,705 85.3 7 Bridger Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.2 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$26,7,153 52.7 14 Custer (West) Rest Area \$4567,153 52.7 15 Custer (West) Rest Area \$46,001 76.2 17 Dearborn (North) Rest Area \$46,001 76.2
2 Armington Junction Rest Area \$421,098 56.8 3 Bad Route Rest Area \$3,100,993 57.5 4 Bearmouth (East) Rest Area \$35,030 88.2 5 Bearmouth (West) Rest Area \$34,645 88.2 6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$598,013 70.8 8 Broadus Rest Area \$54403,198 68.5 9 Clearwater Junction Rest Area \$24,871 81.2 11 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (West) Rest Area \$46,001 76.2 17 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$46,001 76.2 18 Dena Mora (East) Rest Area \$1,001,981 63.3
3 Bad Route Rest Area \$3,100,993 57.5 4 Bearmouth (East) Rest Area \$35,030 88.2 5 Bearmouth (West) Rest Area \$35,030 88.2 6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$598,013 70.8 8 Broadus Rest Area \$598,013 70.8 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$567,153 52.7 14 Custer (West) Rest Area \$445,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$984,530 65.7 10 Dearborn (South) Rest Area \$984,530 65.7 10 Dearborn (North) Rest Area \$984,530 95.5
4 Bearmouth (East) Rest Area \$35,030 88.2 5 Bearmouth (West) Rest Area \$34,645 88.2 6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$598,013 70.8 8 Broadus Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$4567,153 52.7 15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$984,530 65.7 18 Dena Mora (West) Rest Area \$945,591 63.3 19 Dena Mora (West) Rest Area \$0 93.2
5 Bearmouth (West) Rest Area \$34,645 88.2 6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$309,705 85.3 7 Bridger Rest Area \$598,013 70.8 8 Broadus Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.2 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$4567,153 52.7 15 Custer (West) Rest Area \$46,001 76.2 17 Dearborn (North) Rest Area \$46,001 76.2 17 Deardorn (West) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 <
6 Bozeman Rest Area \$309,705 85.3 7 Bridger Rest Area \$598,013 70.8 8 Broadus Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.2 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$460,001 76.2 17 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$62,040 77.5 19 Dena Mora (East) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 93.2 22
7 Bridger Rest Area \$598,013 70.8 8 Broadus Rest Area \$403,198 68.5 9 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.2 12 Conrad Rest Area \$30 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$0 93.2 21 Divide (North) Rest Area \$0 93.2 22 Emigrant Rest Area \$0 95.5 22 Emigrant Rest Area \$0 95.5 23 Flowing Wells Rest Area \$0 91.8 24<
8 Broadus Rest Area \$403,198 68.5 9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 93.2 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7
9 Clearwater Junction Rest Area \$1,109,990 62.5 10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$445,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$46,001 76.2 17 Dearborn (North) Rest Area \$90,093.2 57.7 18 Dena Mora (West) Rest Area \$90 93.2 21 Divide (North) Rest Area \$0 93.2 22 Emigrant Rest Area \$0 95.5 23 Flowing Wells Rest Area \$0 91.8
10 Columbus (East) Rest Area \$28,871 81.2 11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$0 96.0 14 Custer (East) Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$1,001,981 63.3 19 Dena Mora (East) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (North) Rest Area \$0 95.5 22 Emigrant Rest Area \$0 95.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$157,892 76.8 27
11 Columbus (West) Rest Area \$28,871 81.5 12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 95.5 22 Emigrant Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$00 91.8 24 Gold Creek (West) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$156,095 75.8
12 Conrad Rest Area \$0 96.0 13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 93.2 22 Emigrant Rest Area \$0 95.5 22 Emigrant Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$0 91.8 24 Gold Creek (West) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$156,095 75.8 29
13 Culbertson Rest Area \$331,679 87.7 14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0
14 Custer (East) Rest Area \$567,153 52.7 15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (Last) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0
15 Custer (West) Rest Area \$495,649 54.0 16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$156,095 75.8 29 Hardin (West) Rest Area \$894,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
16 Dearborn (North) Rest Area \$46,001 76.2 17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$0 95.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$157,892 76.8 27 Greycliff (Least) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$190,4526 55.0 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
17 Dearborn (South) Rest Area \$62,040 77.5 18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$157,892 76.8 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
18 Dena Mora (East) Rest Area \$1,001,981 63.3 19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$157,892 76.8 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
19 Dena Mora (West) Rest Area \$984,530 65.7 20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$60 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
20 Divide (North) Rest Area \$0 93.2 21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
21 Divide (South) Rest Area \$0 95.5 22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
22 Emigrant Rest Area \$612,833 59.2 23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
23 Flowing Wells Rest Area \$0 91.8 24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
24 Gold Creek (East) Rest Area \$505,591 30.7 25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
25 Gold Creek (West) Rest Area \$447,007 26.3 26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
26 Greycliff (East) Rest Area \$157,892 76.8 27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
27 Greycliff (West) Rest Area \$156,095 75.8 28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
28 Hardin (East) Rest Area \$891,165 52.3 29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
29 Hardin (West) Rest Area \$904,526 55.0 30 Harlowton Rest Area \$199,498 88.3
30 Harlowton Rest Area \$199,498 88.3
31 Hathaway (East) Rest Area \$3,249,999 53.2
32 Hathaway (West) Rest Area \$3,347,197 60.2
33 Hysham (East) Rest Area \$28,871 82.2
34 Hysham (West) Rest Area \$28,871 80.8
35 Jefferson City (North) Rest Area \$3,232,259 49.2
36 Jefferson City (South) Rest Area \$3,154,949 47.5
37 Lima Rest Area \$471,372 80.8
38 Lost Trail Pass Rest Area \$205,946 69.2
39 Mosby Rest Area \$255,187 51.3
40 Quartz Flats (East) Rest Area \$4,247,072 48.8
41 Quartz Flats (West) Rest Area \$4,593,258 45.5
42 Raynolds Pass Rest Area \$0 86.2
43 Roberts Rest Area \$1,967,148 42.8
44 Sweet Grass Rest Area \$258,183 83.3
45 Teton River (North) Rest Area \$97,327 82.7
46 Teton River (South) Rest Area \$85,875 84.3
47 Troy Rest Area \$415,773 63.8
48 Vandalia Rest Area \$2,102,155 51.0
49 Wibaux Rest Area \$608,278 82.0

	Lowest to Highest Score							
	Rest Area Name	Estimated Cost	Health Score					
1	Gold Creek (West) Rest Area	\$447,007	26.3					
2	Gold Creek (East) Rest Area	\$505,591	30.7					
3	Roberts Rest Area	\$1,967,148	42.8					
4	Quartz Flats (West) Rest Area	\$4,593,258	45.5					
5	Jefferson City (South) Rest Area	\$3,154,949	47.5					
6	Quartz Flats (East) Rest Area	\$4,247,072	48.8					
7	Jefferson City (North) Rest Area	\$3,232,259	49.2					
8	Vandalia Rest Area	\$2,102,155	51.0					
9	Mosby Rest Area	\$255,187	51.3					
10	Hardin (East) Rest Area	\$891,165	52.3					
11	Custer (East) Rest Area	\$567,153	52.7					
12	Hathaway (East) Rest Area	\$3,249,999	53.2					
13	Custer (West) Rest Area	\$495,649	54.0					
14	Hardin (West) Rest Area	\$904,526	55.0					
15	Armington Junction Rest Area	\$421,098	56.8					
16	Bad Route Rest Area	\$3,100,993	57.5					
17	Emigrant Rest Area	\$612,833	59.2					
18	Hathaway (West) Rest Area	\$3,347,197	60.2					
19	Anaconda Rest Area	\$1,023,859	62.2					
20	Clearwater Junction Rest Area	\$1,109,990	62.5					
21	Dena Mora (East) Rest Area	\$1,001,981	63.3					
22	Troy Rest Area	\$415,773	63.8					
23	Dena Mora (West) Rest Area	\$984,530	65.7					
24	Broadus Rest Area	\$403,198	68.5					
25	Lost Trail Pass Rest Area	\$205,946	69.2					
26	Bridger Rest Area	\$598,013	70.8					
27	Greycliff (West) Rest Area	\$156,095	75.8					
28	Dearborn (North) Rest Area	\$46,001	76.2					
29	Greycliff (East) Rest Area	\$157,892	76.8					
30	Dearborn (South) Rest Area	\$62,040	77.5					
31	Lima Rest Area	\$471,372	80.8					
32	Hysham (West) Rest Area	\$28,871	80.8					
33	Columbus (East) Rest Area	\$28,871	81.2					
34	Columbus (West) Rest Area	\$28,871	81.5					
35	Wibaux Rest Area	\$608,278	82.0					
36	Hysham (East) Rest Area	\$28,871	82.2					
37	Teton River (North) Rest Area	\$97,327	82.7					
38	Sweet Grass Rest Area	\$258,183	83.3					
39	Teton River (South) Rest Area	\$85,875	84.3					
40	Bozeman Rest Area	\$309,705	85.3					
41	Raynolds Pass Rest Area	\$0	86.2					
42	Culbertson Rest Area	\$331,679	87.7					
43	Bearmouth (East) Rest Area	\$35,030	88.2					
44	Bearmouth (West) Rest Area	\$34,645	88.2					
45	Harlowton Rest Area	\$199,498	88.3					
46	Flowing Wells Rest Area	\$0	91.8					
47	Divide (North) Rest Area	\$0	93.2					
48	Divide (South) Rest Area	\$0	95.5					
49	Conrad Rest Area	\$0	96.0					

Improvement Cost Estimates - Parking Areas

Alphabetical						
	Rest Area Name	Estimated Cost	Health Score			
1	Alberton (East) Parking Area	\$336,924	8.00			
2	Alberton (West) Parking Area	\$123,856	7.50			
3	Barretts Parking Area	\$95,434	5.00			
4	Dupuyer Parking Area	\$104,641	12.00			
5	Homestake Pass (East) Parking Area	\$192,665	15.00			
6	Homestake Pass (West) Parking Area	\$192,665	9.00			
7	Livingston (East) Parking Area	\$220,125	12.00			
8	Locate Parking Area	\$457,508	11.50			
9	Lyon's Creek (North) Parking Area	\$150,995	8.00			
10	Lyon's Creek (South) Parking Area	\$169,280	8.00			
11	Red Rock (North) Parking Area	\$166,810	8.00			
12	Red Rock (South) Parking Area	\$166,810	8.00			
13	Rock Creek (East) Parking Area	\$150,931	8.00			
14	Rock Creek (West) Parking Area	\$150,931	8.50			
15	Vista Point	\$71,343	12.00			

Lowest to Highest Score							
	Rest Area Name	Estimated Cost	Health Score				
1	Barretts Parking Area	\$95,434	5.00				
2	Alberton (West) Parking Area	\$123,856	7.50				
3	Alberton (East) Parking Area	\$336,924	8.00				
4	Lyon's Creek (North) Parking Area	\$150,995	8.00				
5	Lyon's Creek (South) Parking Area	\$169,280	8.00				
6	Red Rock (North) Parking Area	\$166,810	8.00				
7	Red Rock (South) Parking Area	\$166,810	8.00				
8	Rock Creek (East) Parking Area	\$150,931	8.00				
9	Rock Creek (West) Parking Area	\$150,931	8.50				
10	Homestake Pass (West) Parking Area	\$192,665	9.00				
11	Locate Parking Area	\$457,508	11.50				
12	Dupuyer Parking Area	\$104,641	12.00				
13	Livingston (East) Parking Area	\$220,125	12.00				
14	Vista Point	\$71,343	12.00				
15	Homestake Pass (East) Parking Area	\$192,665	15.00				

Septic System Removal/Abandonment	Each	\$	5,000.00		\$	-		
			Dem	olition Items Subtotal	\$	2,300.00		
				IMPROVEN	IEN	NT ITEMS		
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$	0.40	70,000	\$	28,000.00	Parking and ramps	
Mill & Fill	Square Foot	\$	1.70		\$			
Bituminous Pavement	Ton	\$	120.00		\$			
Crushed Aggregate Base	Cubic Yard	\$	60.00		\$			
Concrete Curb & Gutter	Linear Foot	\$	30.00		\$	-		
ADA Ramps	Each	\$	1,500.00	2	\$	3,000.00	Replace with sidewalks	
Striping	Linear Foot	\$	2.50	300	\$	750.00		
Signage	Each	Ş	750.00	5	Ş	3,750.00	Directional signage	
Stormwater Culvert - 12 inch	Linear Foot	Ş	60.00		Ş			
	1							
Concrete Sidewalk - 4 inch	Lineal Foot	Ş	41.67	150	Ş	6,250.00	Assumes all sidewalk is 5' wide	
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00		\$			
General Landscaping - Tree Replacement	Each	Ş	400.00		Ş			
General Landscaping - Imgation System Replacement	Square Foot	Ş	1.00		Ş			
Site Fencing Replacement	Linear Foot	\$	6.00		\$			
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$	20,000.00		Ş			
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$	50,000.00		\$	-	e	
Picnic Table Shelters Replacement/New	Each	\$	30,000.00	1	Ş	30,000.00	Estimates includes picnic table, concrete and shelter	
Picnic Table Replacement/New	Each	\$	2,500.00	2	\$	5,000.00	stand alone picnic table	
Waste Receptacle Replacement/New	Each	Ş	300.00	6	Ş	1,800.00	Additional receptacles near picnic area	
Bench Replacement/New	Each	Ş	850.00	2	Ş	1,700.00		
Site Lighting Replacement	Each	Ş	5,000.00	6	Ş	30,000.00	Currently no lighting	
Site Signage Replacement/New	Each	Ş	750.00	10	Ş	7,500.00	Includes Historical Signage	
Pet Area Replacement/New	Each	Ş	5,000.00	1	Ş	5,000.00		
Flag Pole	Each	\$	5,000.00					
BUILDING/STRUCTURAL IMPROVEMENTS	1				-			
Building/Structure Complete Replacement	Square Foot	\$	450.00		\$			
Building/Structure Minor - Floor, tile, paint	Square Foot	Ş	10.00		Ş			
Building/Structure Minor - Electrical	Square Foot	\$	50.00		\$			
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$	-		
Building/Structure Minor - Plumbing	Square Foot	\$	50.00		\$			
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$			
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$			
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$	-		
Restroom Stalls Replacement	Each	\$	800.00		\$			
Door/Doorway Replacement	Each	\$	1,000.00		\$	-		
Drinking Fountain Replacement	Each	\$	800.00		\$			
Sink/Toilet Replacement	Each	\$	600.00		\$			
Vaulted Toilet Structure Replacement/New	Each	\$	50,000.00	1	\$	50,000.00	Assumes a double structure	
WASTEWATER SYSTEM IMPROVEMENTS					_			
Conventional Gravity System Replacement	Lump Sum	\$	15,000.00		\$			
Pressure Dose System Replacement	Lump Sum	\$	30,000.00		\$			
Level II Treatment System Replacement/Install	Lump Sum	\$	250,000.00		\$			
Pump Station Replacement	Lump Sum	\$	80,000.00		\$	-		
Connection to Public Wastewater System	Lump Sum	\$	10,000.00		\$			
Connection to Public Wastewater System - Piping	Linear Foot	\$	50.00		\$			
Connection to Public Wastewater System - Manhole	Each	\$	4,500.00		\$			
WATER SYSTEM IMPROVEMENTS					_			
Public Well Replacement	Lump Sum	\$	45,000.00		\$			
Water System Treatment	Lump Sum	\$	20,000.00		\$			
Connection to Public Water System	Lump Sum	\$	10,000.00		\$			
Connection to Public Water System - Piping	Linear Foot	\$	65.00		\$	-		
Connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		\$			
			IMPROVEM	ENT ITEMS SUBTOTAL	\$	175,050.00		
						Includes all costs incurred in assembling and transporting materials to the work		
MOBILIZATION/DEMOB.				18%	Ş	31,509.00	site. Included to account for unidentified items including but not limited to BMPs, traffic	
							control, incidental pavement transitional areas, structural elements, public	
CONTINGENCY 25% \$						51,639.75	outreach, and other unanticipated conditions.	
SUBTOTAL \$ 258,198.75								
							-	
PRELIMINARY ENGINEERING				10%	\$	25,819.88		
CONSTRUCTION ENGINEERING				10%	\$	25,819.88		
						37 005 05	indirect costs are not directly associated with the construction of a project but are	
INDIREC	STRUCTION	10.49%	>	27,085.05	incurred during the construction process. Do percentage is subject to change.			
		SUBTOTAL	\$	78,724.80				

Alberton (East) PA Health Scoring Index

Improvements Cost Estimate

DEMOLITION ITEMS

\$ \$

Proposed Total Quantity

200 150

Remove and replace non-compliant ADA sidewalk, add pet area, exterior lighting, additional waste receptacles

Estimated Improvement Cost (2018)

Comments

Comments

 2,000.00
 Estimated removal area limited to near vaulted toilet only

 300.00
 Estimated removal area limited to PA site only, assume all walks are 5' wide.

Element

Item Description

Overall Health Index Score=

Pavement

Structure

Water System Vaulted Toilets

Overall Site Clearing Asphalt Removal Concrete Curb & Gutter Removal

Concrete Sidewalk Removal

Irrigation System Removal Well Removal/Abandonment

Building/Structure Removal Picnic Table and Shelter Removal

Site

Score

2.5

3.0

0.0 2.5

8.0

Unit

Acre \$ Square Yard \$

Linear Foot

Square Foot

Square Foot Each

Each Each

Crack and chip seal, restripe

Add Picnic structure

Estimated

Unit Price (2018)

3,300.00 12.00

10.00 2.00

50.00 Ś \$ 5,000.00

\$ 2,000.00 \$ 3,000.00
Alberton (West) DA										
				Alberton Health Sco	(M	Vest) PA				
Element	Score	Г		nearth 300	71	ing much	Comments			
Pavement	2.0	Rep	air ramp sh	oulder						
Site	3.0	Ren	nove and re	place non-compliant Al ture	DA	sidewalk, add pet area, exter	rior lighting, additional waste receptacles			
Water System	0.0	~00	i ricilic stru	luie						
Vaulted Toilets	2.5									
Overall Health Index Score	re= 7.5	<u> </u>								
	Improvements Cost Estimate									
		E	stimated	Proposed Total	Es	stimated Improvement Cost				
Item Description	Unit	Ľ	(2018)	Quantity		(2018)	Comments			
				DEMOLITI	ION	N ITEMS				
Overall Site Clearing Asphalt Removal	Acre Square Yard	Ş	3,300.00		Ş					
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00		\$	-				
Concrete Sidewalk Removal	Square Foot	\$	2.00	500	\$	1,000.00	Estimated removal area limited to PA site only, assume all walks are 5' wide.			
Building/Structure Removal	Square Foot	\$	50.00		\$					
Irrigation System Removal	Each	\$	2,000.00		\$					
Well Removal/Abandonment	Each	\$	3,000.00		\$					
Septic System Removal/Abandonment	Each	\$	5,000.00	olition Items Subtotal	Ş	- 1 000 00				
			Den	iontion nems subtotal	Ş	1,000.00				
				IMPROVEN	/IEN	NT ITEMS				
PARKING AREA IMPROVEMENTS	Sauces For 1	^	0.40		~					
Mill & Fill	Square Foot	\$ \$	0.40		\$ \$					
Bituminous Pavement	Ton	\$	120.00	25	\$	3,000.00	Assumes a full replacement of paved area and base			
Crushed Aggregate Base	Cubic Yard	\$	60.00		\$					
ADA Ramps	Linear Foot Each	ş	30.00	1	ş	- 1.500.00	Replace with sidewalks			
Striping	Linear Foot	\$	2.50	_	\$	-				
Signage	Each	\$	750.00	4	\$	3,000.00	Directional signage			
Stormwater Culvert - 12 inch	Linear Foot	Ş	60.00		Ş					
SITE IMPROVEMENTS		1								
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67		\$					
General Landscaping - Turf/Seed/Hardscape	Square Foot	ş	1.00		Ş					
General Landscaping - Tree Replacement	Square Foot	\$	1.00		\$	-				
Site Fencing Replacement	Linear Foot	\$	6.00		\$					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$	20,000.00		\$	-				
Picnic Table Shelters Replacement/New	Each	\$	30,000.00	1	\$	30,000.00	Estimates includes picnic table, concrete and shelter			
Picnic Table Replacement/New	Each	\$	2,500.00		\$					
Waste Receptacle Replacement/New	Each	\$	300.00	1	\$ ¢	-				
Site Lighting Replacement	Each	\$	5,000.00	4	\$	20,000.00	Currently no lighting			
Site Signage Replacement/New	Each	\$	750.00		\$					
Pet Area Replacement/New	Each	\$	5,000.00	1	\$	5,000.00	Fenced pet area			
riag Pole	Each	Ş	5,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS										
Building/Structure Complete Replacement	Square Foot	\$ ¢	450.00		\$					
Building/Structure Minor - Electrical	Square Foot	\$	50.00		\$					
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$					
Building/Structure Minor - Plumbing Building/Structure Minor - Paint (exterior)	Square Foot	\$	50.00		\$ ¢					
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$					
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$					
Restroom Stalls Replacement	Each	\$	800.00		\$					
Drinking Fountain Replacement	Each	\$	800.00		ډ \$					
Sink/Toilet Replacement	Each	\$	600.00		\$					
Vaulted Toilet Structure Replacement/New	Each	\$	50,000.00		\$					
WASTEWATER SYSTEM IMPROVEMENTS	1	I		1	-		l			
Conventional Gravity System Replacement	Lump Sum	\$	15,000.00		\$	-				
Pressure Dose System Replacement	Lump Sum	\$ ¢	30,000.00		\$ ¢					
Pump Station Replacement	Lump Sum	\$ \$	80,000.00		\$ \$					
Connection to Public Wastewater System	Lump Sum	\$	10,000.00		\$					
Connection to Public Wastewater System - Piping	Linear Foot	\$ ¢	50.00		\$	-				
Connection to Fublic Wastewater System - Manhole	Each	Ş	4,500.00		Ş					
WATER SYSTEM IMPROVEMENTS				·						
Public Well Replacement	Lump Sum	\$	45,000.00	<u> </u>	\$	-				
Connection to Public Water System	Lump Sum	\$ \$	20,000.00		\$ \$					
Connection to Public Water System - Piping	Linear Foot	\$	65.00		\$					
Connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		\$					
			IMPROVEM	ENT ITEMS SUBTOTAL	\$	64,350.00	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATIC	N/DEMOB.	18%	\$	11,583.00	site.			
							control, incidental pavement transitional areas, structural elements, public			
		COI	NTINGENCY	25%	\$	18,983.25	outreach, and other unanticipated conditions.			
				SUBIUTAL	Ş	94,916.25	-			
	PRELIMINAR	Y EN	GINEERING	10%	\$	9,491.63				
	CONSTRUCTIO	N EN	GINEERING	10%	\$	9,491.63				
						0.055	Indirect costs are not directly associated with the construction of a project but are			
INDIR	ECT COST (IDC) - I	CON	STRUCTION	10.49% SUBTOTAL	\$	28,939.96	meaned during the construction process. IDC percentage is subject to change.			
					-		-			

Anaconda							
			Health Sco	oring Index			
Element	Score	ta ana an ta al a	and in the state of the state o	2010) 17-6-+ 2020	Comments		
Site	5.7	merease truck p	ion willig= 10 stalls shoft (.	Lo 201, 17 SHUIT 2030			
Structure	15.0						
Water	15.3	Future shortage	of water storage.				
Wastewater Amenities	12.2	Future Discharg	e permit needed for inc	reased usage.			
Overall Health Index Score	62.2						
			Improvements	Cost Estimate			
Item Description	Unit	Estimated Unit Price	Proposed Total	Estimated Improvement Cost	Comments		
		(2018)	Quantity	(2018)			
	<u> </u>		DEMOLIT	ON ITEMS			
Overall Site Clearing Asphalt Removal	Acre Square Yard	\$ 3,300.00	1 333	\$ 3,300.00	General clearing & grubbing of existing site Approx 400' x 30' wide		
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	300	\$ 3,000.00	Approx. 400 x 30 mile		
Concrete Sidewalk Removal	Square Foot	\$ 2.00	450	\$ 900.00	Approx. 90' of 5' sidewalk		
Building/Structure Removal	Square Foot	\$ 50.00		\$ -			
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -			
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -			
Septic System Removal/Abandonment	Each	\$ 5,000.00	1	\$ 5,000.00	Remove existing septic, replace with level II treatment		
		Den	nolition Items Subtotal	\$ 28,200.00			
PARKING AREA IMPROVEMENTS			IMPROVEN	IENT ITEMS			
Chip Sealing	Square Foot	\$ 0.40		\$ -			
Mill & Fill	Square Foot	\$ 1.70		\$ -			
Bituminous Pavement	Ton	\$ 120.00	650	\$ 78,000.00	Approx. 14,000 sf of pavement area for truck parking increase plus road re-alignment		
Crushed Aggregate Base	Cubic Yard	\$ 60.00	1,444	\$ 86.666.67	Based on 18" section under asphalt area and road re-alignment		
Concrete Curb & Gutter	Linear Foot	\$ 30.00	300	\$ 9,000.00			
ADA Ramps	Each	\$ 1,500.00	6	\$ 9,000.00	Replace sidewalk ADA ramps		
Striping	Linear Foot	\$ 2.50	2,900	\$ 7,250.00	Restripe parking lot and add additional parking		
Stormwater Culvert - 12 inch	Linear Foot	> /50.00 \$ 60.00	4	ب <u>s,uu0.00</u> د -	niciease signage with parking inprovements		
		, 00.00		-			
SITE IMPROVEMENTS							
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	20	\$ 833.33	Re-align sidewalks, assume 5' wide		
General Landscaping - Turt/Seed/Hardscape General Landscaping - Tree Replacement	Square Foot Each	\$ 1.00 \$ 400.00	5,000	\$ 5,000.00 \$ 1,600.00	General reseeding of disturbed area		
General Landscaping - Tree Replacement	Square Foot	\$ 1.00	4	\$ -			
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -			
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -			
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -			
Picnic Table Sherters Replacement/New	Each	\$ 2,500.00		s -			
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -			
Bench Replacement/New	Each	\$ 850.00	4	\$ 3,400.00	Replace with ADA compliant		
Site Lighting Replacement	Each	\$ 5,000.00	6	\$ 30,000.00	Replace and add site lighting		
Site Signage Replacement/New	Each	\$ 750.00		\$ -			
Flag Pole	Each	\$ 5,000.00		ş -			
BUILDING/STRUCTURAL IMPROVEMENTS							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 50.00		· ·			
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -			
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -			
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		s -			
винину/structure Minor - кооfing Building/Structure Minor - Exterior Siding	Square Foot	> 20.00 \$ 15.00		s -			
Restroom Stalls Replacement	Each	\$ 800.00		\$ -			
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -			
Drinking Fountain Replacement	Each	\$ 800.00		\$ -			
Sink/ Lollet Replacement	Each	\$ 50,000,000		\$ -			
Server / one or deare reproceinent/new	cacii	- 50,000.00		-			
WASTEWATER SYSTEM IMPROVEMENTS	·						
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -			
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		5 -			
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	1	\$ 250,000.00	Inclusive of treatment, drainfield & tank(s) - Assumes replacement area on-site		
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -			
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		5 - ¢			
Connection to Public Wastewater System - Piping Connection to Public Wastewater System - Manhole	Each	\$ 4.500.00		s -			
		,					
WATER SYSTEM IMPROVEMENTS	1		r		1		
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -	Additional content of the state		
vvaler system i reatment Connection to Public Water System	Lump Sum	> 20,000.00 \$ 10,000.00	1	> 20,000.00	Auditional water storage & plumbing improvements.		
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -			
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$-			
	•	IMPROVEN	IENT ITEMS SUBTOTAL	\$ 531,950.00			
	MORI! 17	ATION/DEMOR	18%	\$ 95,751.00	Includes all costs incurred in assembling and transnorting materials to the work site		
	MODILIZ	,	1876	. 55,751.00	Included to account for unidentified items including but not limited to BMPs, traffic		
		CONTINGENCY	25%	\$ 156.075.75	control, incidental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions		
		CONTINUENCE	SUBTOTAL	\$ 784,626.25	and other analited conditions.		
					-		
	PRELIMINAR	Y ENGINEERING	10%	\$ 78,462.63			
	CONSTRUCTIO	NENGINEERING	10%	¢ /8,462.63			
					Indirect costs are not directly associated with the construction of a project but are		
INDIRE	. 1 CUSI (IDC) - (LONSIKUCTION	10.49% SURTOTAL	> 82,307.29 \$ 239.222.54	incurred during the construction process. IDC percentage is subject to change.		
			SUBIUTAL	- 239,232.54	-		

Estimated Total Project Cost \$ 1,023,858.79

Armington Junction									
			Health Sco	oring Index					
Element	Score		Comments						
Pavement	15.3	Crack and chi	rack and chip seal, restripe						
Site	3.7	Remove and r	emove and replace non-compliant ADA sidewalk, replace some turr areas						
Water	10.3	Add storage a	dd storage and treatment						
Wastewater	13.2								
Amenities	4.0	Replace wast	e receptacles						
Overall Health Index Score	= 56.8								
	_		Improvements	s Cost Estimate					
Item Description	Unit	Estimated	Proposed Total	Estimated Improvement	Comments				
item beschption	onic	(2018)	Quantity	(2018)	connents				
			DEMOLIT	ION ITEMS					
Overall Site Clearing	Acre	\$ 3,300.0	0 1	\$ 1,650.00	Remove turf on north side where it doesn't grow well				
Asphalt Removal	Square Yard	\$ 12.0	D	\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.0	0	\$ -	Particular de la Particular Marcia de la composición de la del 19				
Concrete Sidewalk Removal	Square Foot	\$ 2.0	2,000	\$ 4,000.00	Estimated removal area limited to KA site only, assume all walks are 5° wide.				
Picnic Table and Shelter Removal	Fach	\$ 5,000.0	0	\$.					
Irrigation System Removal	Each	\$ 2,000.0	D	\$ -					
Well Removal/Abandonment	Each	\$ 3,000.0	D	s -					
Septic System Removal/Abandonment	Each	\$ 5,000.0	D	\$ -					
		De	molition Items Subtotal	\$ 5,650.00					
IMPROVEMENT ITEMS									
PARKING AREA IMPROVEMENTS		-							
Chip Sealing	Square Foot	\$ 0.4	140,000	\$ 56,000.00	Parking area, weight station, and ramp				
Mill & Hill Rituminaur Pavoment	Square Foot	\$ 1.7	1	s -					
Crushed Aggregate Base	Cubic Yard	÷ 120.0							
Concrete Curb & Gutter	Linear Foot	\$ 30.0	- n	\$					
ADA Ramps	Each	\$ 1.500.0	0 3	\$ 4.500.00	Update to be ADA compliant				
Striping	Linear Foot	\$ 2.5	2,100	\$ 5,250.00	Parking stalls and directional				
Signage	Each	\$ 750.0	0 12	\$ 9,000.00	Replace nearly all directional				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.0	D	\$ -					
SITE IMPROVEMENTS					<u></u>				
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.6	7 500	\$ 20,833.33	Assumes all sidewalk is 5' wide				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.0)	\$ -					
General Landscaping - Tree Replacement	Each	\$ 400.0	D	\$ -					
Site Fensing Penlacement	Junear Foot	\$ 6.0	, ,	э - с					
Site I tility - I Ingrade Power/nhone/cable	Lump Sum	\$ 20,000,0	n	\$					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.0	D	s -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.0	D	s -					
Picnic Table Replacement/New	Each	\$ 2,500.0	D	\$ -					
Waste Receptacle Replacement/New	Each	\$ 300.0	0 15	\$ 4,500.00					
Bench Replacement/New	Each	\$ 850.0	0 2	\$ 1,700.00	Replace with ADA Compliant				
Site Lighting Replacement	Each	\$ 5,000.0	D	\$ -					
Site Signage Replacement/New	Each	\$ 750.0	0 5	\$ 3,750.00					
Pet Area Replacement/New	Each	\$ 5,000.0	0	ş -					
Flag Pole	Each	\$ 5,000.0	J 1						
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.0	D	s -	New building, estimated cost includes structure, electrical, plumbing, etc.				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.0	0 1,300	\$ 13,000.00					
Building/Structure Minor - Electrical	Square Foot	\$ 50.0	D	\$ -					
Building/Structure Minor - HVAC	Square Foot	\$ 40.0	D	\$-					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.0	0 1,300	\$ 65,000.00	Replace fixtures and plumbing				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.0)	\$ -					
Building/Structure Minor - Roofing	Square Foot	\$ 20.0	0	ş -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.0 ¢ 000.0	J 4	> - ¢	Lindate interior of mon's and women's for ADA				
Door/Doorway Replacement	Each	> 800.0	4 n	ې 3,200.00 د	oppose interior or men's and women's for ADA compliance				
Drinking Fountain Replacement	Fach	\$ 200.0	n 2	s 1.600.00	Remove and replace with ADA compliant				
Sink/Toilet Replacement	Each	\$ 600.0	0 8	\$ 4,800.00	Update men's and women's for ADA compliance				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.0	D	\$ -					
WASTEWATER SYSTEM IMPROVEMENTS									
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.0	0	\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.0	U	s -					
Reven in reatment system keplacement/Install	Lump Sum	> 250,000.0		э -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.0	n						
Connection to Public Wastewater System - Pining	Linear Foot	\$ 50.0	0	s -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.0	D	\$ -					
WATER SYSTEM IMPROVEMENTS									
Public Well Replacement	Lump Sum	\$ 45,000.0	D	\$ -					
Water System Treatment	Lump Sum	\$ 20,000.0	0 1	\$ 20,000.00	Install water storage & increase capacity				
Connection to Public Water System	Lump Sum	\$ 10,000.0	U	s -					
Connection to Public Water System - Piping	Linear Foot	> 65.0		э - с					
connection to Public water system - valves, Bends, etc.	Each	> 1,000.0							
μ		INIPROVE	VIEWI TIEWIS SUBTUTAL	÷ 218,783.33	Includes all costs incurred in assembling and transporting materials to the work				
INCLUDES INCUTTED IN ASSEMBLING and transport MOBILIZATION/DEMOB. 18% \$ 39.381.00 site.									
	-	-	-		Included to account for unidentified items including but not limited to BMPs, traffic				
		CONTINGENO	Y 25%	\$ 64.541.08	outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 322,705.42					
					-				
	PRELIMINAR	Y ENGINEERIN	G 10%	\$ 32,270.54					
	CONSTRUCTIO	N ENGINEERIN	G 10%	\$ 32,270.54					
					Indirect costs are not directly associated with the construction of a project but are				
INDIRE	CT COST (IDC) - C	ONSTRUCTIO	N 10.49%	\$ 33,851.80	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 98,392.88					

Estimated Total Project Cost \$ 421,098.30

Bad Route								
			Health Sco	oring Index				
Element	Score				Comments			
Pavement Site	9.0	Replace irrigati	ing. Add 12 stalls of tru on system	uk parking				
Structure	12.3	Replace Replac						
Water	13.3	Replace water supply sources						
Wastewater	13.8	Replace with le	vel II system due to incr	ease usage				
Amenities Overall Health Index Score	4.0							
Over all Health Hidex Score	- 37.5							
			Improvements	Cost Estimate				
		Estimated	Proposed Total	Estimated Improvement				
Item Description	Unit	Unit Price	Quantity	Cost	Comments			
		(2016)	DEMOLITI	ON ITEMS	ł			
Overall Site Clearing	Acre	\$ 3,300.00	1	\$ 3,300.00	General clearing & grubbing of existing site			
Asphalt Removal	Square Yard	\$ 12.00		\$ -				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	800	\$ 8,000.00	Estimated removal area limited to RA site only			
Concrete Sidewalk Removal Building/Structure Removal	Square Foot	\$ 2.00	2,500	\$ 5,000.00	Estimated removal area limited to KA site only, assume all walks are 5' wide.			
Picnic Table and Shelter Removal	Each	\$ 5,000.00	4	\$ 20,000.00	Remove existing picnic shelters			
Irrigation System Removal	Each	\$ 2,000.00		\$ -				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00	-litian Itana Cubtatal	\$ -				
		Dem	ontion items subtotai	\$ 96,300.00				
IMPROVEMENT ITEMS								
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40		\$ -				
Mill & Fill	Square Foot	\$ 1.70	135,000	\$ 229,500.00	Parking and ramps			
Bituminous Pavement	Ton Cubic Yee '	\$ 120.00	750	\$ 90,000.00	Approx. 30,000sf truck parking			
Concrete Curb & Gutter	Linear Foot	\$ 30.00	1,067	\$ 100,000.00 \$ 24.000.00	Estimated replacement area limited to RA site only			
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace non-compliant ramps			
Striping	Linear Foot	\$ 2.50	3,900	\$ 9,750.00	Parking and ramps			
Signage	Each	\$ 750.00	4	\$ 3,000.00	Replace existing signage			
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		ş -				
SITE IMPROVEMENTS								
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	1,400	\$ 58,333.33	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	5,000	\$ 5,000.00	Replace damaged areas during construction			
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -				
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00	5,000	\$ 5,000.00	Update and additional zones			
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -				
Site Utility - Upgrade Power/phone/cable Site Utility - Replace Propage Storage Tanks	Lump Sum	\$ 20,000.00		s -				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	4	\$ 120,000.00	Estimates includes picnic table, concrete and shelter			
Picnic Table Replacement/New	Each	\$ 2,500.00	4	\$ 10,000.00	Stand alone picnic table			
Waste Receptacle Replacement/New	Each	\$ 300.00	12	\$ 3,600.00	Replace with new			
Bench Replacement/New	Each	\$ 850.00	4	\$ 3,400.00	Replace non-compliant ADA			
Site Lighting Replacement	Each	\$ 5,000.00	7	\$ -	Desile an			
Site Signage Replacement/New Pet Area Replacement/New	Each	\$ 5,000,00	, 1	\$ 5,000.00	Replace Replace with new fenced area			
Flag Pole	Each	\$ 5,000.00	1	\$ 5,000.00				
BUILDING/STRUCTURAL IMPROVEMENTS								
Building/Structure Complete Replacement	Square Foot	\$ 450.00	1,200	\$ 540,000.00	New building, estimated cost includes structure, electrical, plumbing, etc.			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 50.00		s -				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		ş -				
Building/Structure Minor - Exterior Siding Restroom Stalls Replacement	Each	> 15.00 \$ 800.00		s - S -				
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -				
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Sink/Toilet Replacement	Each	\$ 600.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		ş -				
WASTEWATER SYSTEM IMPROVEMENTS	-1	1	L		ļ			
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -				
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	1	\$ 250,000.00	Replace with level II system & discharge permit. Assume replacement on site.			
Pump Station Replacement	Lumn Sum	\$ 80,000,00		s -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -				
	1							
WATER SYSTEM IMPROVEMENTS	Lume Core	\$ 45,000,00	1	\$ 45.000.00	Renjaro existing well			
Water System Treatment	Lump Sum	\$ 20,000.00	-	\$ -	Lookanan moneyi P MPH			
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -				
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -				
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 1,611,133.33	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION/DEMOB.	18%	\$ 290.004.00	site.			
					Included to account for unidentified items including but not limited to BMPs, traffic			
		CONTINGENCY	25%	\$ 475.284.33	control, incluental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions.			
			SUBTOTAL	\$ 2,376,421.67				
	PRELIMINAR	Y ENGINEERING	10%	\$ 237,642.17				
	CONSTRUCTION	NENGINEERING	10%	\$ 237,642.17				
					Indirect costs are not directly associated with the construction of a project but are			
INDIRE	CT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 249,286.63	incurred during the construction process. IDC percentage is subject to change.			
			SUBTOTAL	> 724,570.97				

Estimated Total Project Cost \$ 3,100,992.63

Page 7 of 66

				Danie	IIS PA	
		r		Health Sco	oring Index	Commente
Element	2 5	Postria	ne			Comments
Site	2.5	Exterio	or lighting	z. signage, sidewalk, and	d picnic table	
Structure				,,		
Water System	0.0					
Vaulted Toilets	0.0					
Overall Health Index Score	= 5.0					
					Cont Fatiments	
	-		los et e d	Improvements	S Cost Estimate	
Item Description	Unit	Uni	imated it Price	Proposed Total	Estimated Improvement Cos	t Comments
······ - ···· - ····		(2	2018)	Quantity	(2018)	
				DEMOLITI	ON ITEMS	
Overall Site Clearing	Acre	\$	3,300.00		\$ -	
Asphalt Removal	Square Yard	Ş	12.00		\$ -	
Concrete Sidewalk Removal	Square Foot	ې د	2 00		\$ \$	
Building/Structure Removal	Square Foot	ŝ	50.00		\$ -	
Picnic Table and Shelter Removal	Each	\$	5,000.00		\$ -	
Irrigation System Removal	Each	\$	2,000.00		\$-	
Well Removal/Abandonment	Each	\$	3,000.00		\$ -	
Septic System Removal/Abandonment	Each	\$	5,000.00		\$ -	
			Derr	nolition Items Subtotal	\$ -	
				INADDOVICE		
PARKING AREA IMPROVEMENTS				INIPROVEN	IENT TENIS	
Chip Sealing	Square Foot	s	0.40		s -	
Mill & Fill	Square Foot	\$	1.70		\$ -	
Bituminous Pavement	Ton	\$	120.00		\$ -	
Crushed Aggregate Base	Cubic Yard	\$	60.00		\$ -	
Concrete Curb & Gutter	Linear Foot	\$	30.00	200	\$ 6,000.00	Install new with sidewalk
ADA Ramps	Each	\$	1,500.00	1	\$ 1,500.00	Install new with sidewalk for access to picnic area and waste receptacles
Striping	Linear Foot	\$	2.50	960	\$ 2,400.00	Clearly identify ADA stall and truck parking
Signage	Each	Ş	750.00	4	\$ 3,000.00	Additional directional signage
stormwater cuivert - 12 inch	Linear Foot	Ş	60.00		\$ -	
SITE IMPROVEMENTS	1					
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	200	\$ 8,333.33	Assumes all sidewalk is 5' wide
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00		\$ -	
General Landscaping - Tree Replacement	Each	\$	400.00		\$-	
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00		\$ -	
Site Fencing Replacement	Linear Foot	\$	6.00		\$ -	
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 2	20,000.00		\$ -	
Site Othity - Replace Propane Storage Tanks	Eump Sum	\$ 5 ¢ 2	80,000.00		\$ •	
Picnic Table Benlacement/New	Each	\$ 5	2.500.00	1	\$ 2,500,00	Stand alone picnic table
Waste Receptacle Replacement/New	Each	Ś	300.00	_	\$ -	
Bench Replacement/New	Each	\$	850.00	1	\$ 850.00	
Site Lighting Replacement	Each	\$	5,000.00	4	\$ 20,000.00	
Site Signage Replacement/New	Each	\$	750.00		\$-	
Pet Area Replacement/New	Each	\$	5,000.00	1	\$ 5,000.00	Install fenced pet area
Flag Pole	Each	Ş	5,000.00			
Building/Structure Complete Replacement	Square Foot	\$	450.00		\$-	
Building/Structure Minor - Floor, tile, paint	Square Foot	\$	10.00		\$ -	
Building/Structure Minor - Electrical	Square Foot	\$	50.00		\$-	
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$ -	
Building/Structure Minor - Plumbing	Square Foot	Ş	50.00		\$ -	
Building/Structure Minor - Paint (exterior)	Square Foot	ې د	20.00		\$ \$	
Building/Structure Minor - Exterior Siding	Square Foot	ŝ	15.00		\$ -	
Restroom Stalls Replacement	Each	\$	800.00		\$ -	
Door/Doorway Replacement	Each	\$	1,000.00		\$ -	
Drinking Fountain Replacement	Each	\$	800.00		\$ -	
Sink/Toilet Replacement	Each	\$	600.00		\$ -	
vauited Foilet Structure Replacement/New	Each	Ş 5	00.000.00		\$ -	
WASTEWATER SYSTEM IMPROVEMENTS	1	1		I		
Conventional Gravity System Replacement	Lump Sum	\$ 1	15,000.00		\$ -	
Pressure Dose System Replacement	Lump Sum	\$ 3	80,000.00		\$ -	
Level II Treatment System Replacement/Install	Lump Sum	\$ 25	50,000.00		\$ -	
Pump Station Replacement	Lump Sum	\$ 8	80,000.00		\$ -	
Connection to Public Wastewater System	Lump Sum	\$ 1	10,000.00		\$ -	
Connection to Public Wastewater System - Piping	Linear Foot	ş	50.00		> -	
connection to Public Wastewater System - Manhole	Each	\$ ·	4,500.00		\$ ·	
WATER SYSTEM IMPROVEMENTS	1	1		ı I	L	
Public Well Replacement	Lump Sum	\$ 4	15,000.00		\$ -	
Water System Treatment	Lump Sum	\$ 2	20,000.00		\$ -	
Connection to Public Water System	Lump Sum	\$ 1	10,000.00		\$ -	
Connection to Public Water System - Piping	Linear Foot	\$	65.00		ş -	
Connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		\$ -	
l		IM	IPROVEM	ENT ITEMS SUBTOTAL	\$ 49,583.33	Includes all costs incurred in assembling and transporting materials to the work
	MOBILIZ	ATION,	/DEMOB.	18%	\$ 8,925.00) site.
				-		Included to account for unidentified items including but not limited to BMPs, traffic
		CONT	INGENCY	25%	\$ 14,627.08	 outreach, and other unanticipated conditions.
				SUBTOTAL	\$ 73,135.42	2
	PRELIMINAR	Y ENGI	NEERING	10%	\$ 7,313.54	
	CONSTRUCTION	N ENGI	NEÉRING	10%	\$ 7,313.54	•
						Indirect costs are not directly associated with the construction of a project but are
INDIRE	CT COST (IDC) - (CONST	RUCTION	10.49%	\$ 7,671.91	I incurred during the construction process. IDC percentage is subject to change.
				SUBTOTAL	5 22.298.99	3

Estimated Total Project Cost \$

95,434.41

Bearmouth (East)								
			Health Sco	ring Index				
Element	Score				Comments			
Site	8.0	Curb Ramp repl	acement					
Structure	19.0							
Water Wastewater	26.0	Combined direb	Ambiand direbaras custom anade a aroundustor direbaras parmit					
Amenities	4.0	eu uisti		and a second sec				
Overall Health Index Score	88.2							
	_		luce and the second sec	Coat Fating at				
	r 1	Estimated	Improvements	Cost Estimate				
Item Description	Unit	Unit Price	Proposed Total Quantity	Estimated Improvement Cost (2018)	Comments			
	L – I	(2018)	Quantity	(2018)				
Overall Site Clearing	Acre	\$ 3,300.00	DEMOLITI	\$ -				
Asphalt Removal	Square Yard	\$ 12.00		\$ -				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -				
Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$ -				
Picnic Table and Shelter Removal	Each	\$ 5,000,00		s -				
Irrigation System Removal	Each	\$ 2,000.00		\$ -				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00	adition Itoms Subtatal	\$ -				
		Den	holition items Subtotal	\$ -				
IMPROVEMENT ITEMS								
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40		\$ -				
rviii ∝ riil Bituminous Pavement	square Foot	\$ 120.00		۰ - د				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -				
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -				
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with ADA compliant			
Striping Signage	Linear Foot	\$ 2.50		s -				
Stormwater Culvert - 12 inch	Linear Foot	> /50.00 \$ 60.00		, - \$ -				
		, 00.00						
SITE IMPROVEMENTS			· · · · · · · · ·					
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -				
General Landscaping - Tree Replacement	Square Foot	\$ 1.00		ې - د -				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -				
Pichic Laure Stretters Replacement/New Pichic Table Replacement/New	Each	\$ 30,000.00 \$ 2,500.00		> - \$ -				
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -				
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant			
Site Lighting Replacement	Each	\$ 5,000.00		\$ -				
Site Signage Replacement/New	Each	\$ 750.00		\$ - ¢				
Flag Pole	Each	\$ 5,000.00		· ·				
BUILDING/STRUCTURAL IMPROVEMENTS								
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -				
Building/Structure Minor - Kooting Building/Structure Minor - Exterior Siding	Square Foot	> 20.00 \$ 15.00		> - \$ -				
Restroom Stalls Replacement	Each	\$ 800.00		\$ -				
Door/Doorway Replacement	Each	\$ 1,000.00		\$-				
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Sink/ Lollet Replacement	Each	\$ 50,000,00		\$ - ¢				
Sector Service Reprocession New	Cuti	- 55,000.00		* *				
WASTEWATER SYSTEM IMPROVEMENTS			·					
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Bearmouth E & W are on one W/W system and are currently exceeding 5,000 gpd. Groundwater discharge permitting			
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -	erenteren underunge permitting.			
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -				
Pump Station Replacement	Lump Sum	\$ 80,000.00		s -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00 \$ 50.00		s -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -				
WATER SYSTEM IMPROVEMENTS								
Public Well Replacement	Lump Sum	\$ 45,000.00		5 - ¢				
Connection to Public Water System	Lump Sum	\$ 10.000.00		s -				
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -				
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -				
		IMPROVEN	IENT ITEMS SUBTOTAL	\$ 18,200.00				
	MOBILIZ	ATION/DEMOB.	18%	\$ 3,276.00	Includes all costs incurred in assembling and transporting materials to the work site.			
					Included to account for unidentified items including but not limited to BMPs, traffic control, incidental payement transitional areas, structural elements, public subsections, and the subsection of the subsect			
		CONTINGENCY	25%	\$ 5,369.00	and other unanticipated conditions.			
			SUBTOTAL	\$ 26,845.00	-			
	0051							
	CONSTRUCTION	Y ENGINEERING	10%	 2,684.50 2,684.50 				
			20%	. 2,034.30				
INDIDEC		ONSTRUCTION	10.49%	\$ 2.816.04	indirect costs are not directly associated with the construction of a project but are incurred during the construction process, IDC nercentage is subject to change			
INDIREC			SUBTOTAL	\$ 8,185.04	Contraction of the second seco			

Estimated Total Project Cost \$ 35,030.04

Television sector secto	Bearmouth (West)										
Interes Total Interest Control Statistical Statis Statis Statis Statistical Statis Statistical Statistical Stati	Health Scoring Index										
	Element	Score				Comments					
	Pavement	19.0	Curb Ramo rr -'	acement							
Direction Direction <thdirection< th=""> <thdirection< th=""> <thd< td=""><td>Structure</td><td>19.0</td><td>curb kamp repi</td><td>acement</td><td></td><td></td></thd<></thdirection<></thdirection<>	Structure	19.0	curb kamp repi	acement							
	Water	26.0									
Autor 140 Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control <thcontrol< th=""> Contro Contro</thcontrol<>	Wastewater	12.5	Combined disch	arge system needs a gr	oundwater discharge permit.						
Constrained with the second	Amenities	4.0									
Image Components Cost Statuse Common Deck Discovers Deck Discover	Overall Health Index Score	88.2									
Infectorio Unit United approximation of the second	Improvements Cast Estimate										
Intervalia Year Normal Normal Normal Contract Statistic contraction Am 1 1 1 1 1 Statistic contraction Am 1 1 1 1 1 Statistic contraction Am 1 1 1 1 1 Statistic contraction Am 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td></td> <td></td> <td>Estimated</td> <td>Deserved Total</td> <td>Febineted immediate</td> <td></td>			Estimated	Deserved Total	Febineted immediate						
Product Product Product Product Product Constrained in the mark Upper View 10.00 1 1 1 Constrained in the mark Upper View 10.00 1 1 1 Constrained in the mark Upper View 10.00 1 1 1 Constrained in the mark Upper View 1 0.000 1 1 1 Constrained in the mark Upper View 1 0.000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Item Description	Unit	Unit Price	Quantity	(2018)	Comments					
Sand tarker Auto 1.3000 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.900 1.9000 1.900 1.900			(2018)	DEMOLIT	ONITEMS						
Number of the state	Overall Site Clearing	Acre	\$ 3,300.00	DEWIGEITI	\$ -						
Geneta Geneta Renew User No. 9 9 1 No. To Bay Charlow 100 1 1 1 No. To Bay Charlow 100 1 1 1 No. To Bay Charlow 100 1 1 1 1 No. To Bay Charlow 100 1 1 1 1 No. To Bay Charlow 1 1 1 1 1 No. To Bay Charlow 1 1 1 1 1 No. To Same Charlow 1 1 1 1 1 No. To Same Charlow 1 1 1 1 1 1 Charlow Renew Charlow 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Asphalt Removal	Square Yard	\$ 12.00		\$ -						
Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Sector Secto	Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$-						
Adds Del norma Section 1 Section 2	Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$ -						
Diff the standard Diff to be about the standard stand	Building/Structure Removal	Square Foot	\$ 50.00		\$ -						
Number Num Number Number Number Number Number Number Number Num	Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ - \$						
Line is the monor disconting monor with a structure set of the structu	Well Removal/Abandonment	Each	\$ 3,000.00		\$ -						
Decision term soluted § Decision term soluted § Decision term solute term	Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
BOOMENT 1000 Colspan="2">Second Second			Den	nolition Items Subtotal	\$ -						
UNDERVIENDE Standard 5 Standard 5 <td col<="" td=""><td></td><td colspan="9"></td></td>	<td></td> <td colspan="9"></td>										
				IMPROVEN	IENT ITEMS						
Laboration Control Solution	PARKING AREA IMPROVEMENTS	Course 5	A		<i>^</i>						
Data Data <thdata< th=""> Data Data <thd< td=""><td>crip sealing Mill & Fill</td><td>Square Foot</td><td>> 0.40</td><td> </td><td>۰ - د د</td><td></td></thd<></thdata<>	crip sealing Mill & Fill	Square Foot	> 0.40		۰ - د د						
Openet Agringer Base GAR Range East 5 3000 5 Stressmeth Collent - 32 rule East 5 Green Gard Randong France France France East 5 Green Gard Randong France Fran	Bituminous Pavement	Ton	\$ 120.00		\$ -						
Schools & June Bank Prop. Tab. Source Tools & June Source Tools & June Grang User Ford Source Tools & June Source Tools & June Source Tools & June Grang User Ford Source Tools & June Source Tools & June Source Tools & June Grang User Ford Source Tools & June Source Tools & June Source Tools & June Grand Landsamp, Trajber System Source Tools & June Source Tools & June Source Tools & June Source Tools & June Grand Landsamp, Trajber System Source Tools & June Source Tools & June Source Tools & June Source Tools & June Grand Landsamp, Trajber System Source Tools & June	Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -						
AbA Rang Total 5 50000 2 5 20000 Pipe off ADA Complet Grang Long 3 7200 3 - - Grang Long 3 7200 3 - - Grang Long 3 7200 3 - - Control Stevel Long 5 0.000 5 - - Statis higher more than Long Statis higher more than Long 5 0.000 5 - - Statis higher more than Long Long 5 0.000 5 - - Statis higher more than Long 5 0.000 </td <td>Concrete Curb & Gutter</td> <td>Linear Foot</td> <td>\$ 30.00</td> <td></td> <td>\$ -</td> <td></td>	Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -						
Bange Law Ford 8 2.00 5 - Bankard Low - 12 Into Law Ford 5 2000 3 - Control Science Science Science Science - - Science Science Science Science Science - - Science Science Science Science Science - - - Science Science Science Science Science - - - - - - - - - - - -	ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant					
paper table 3 2000 5 1 Command Caller 1: Jock Line of Caller 1: Society 6: 000 5 - Command Caller 1: Jock Line of Caller 1: Society 5: 000 5 - Command Caller 1: Jock Line of Caller 1: Society 5: 000 5 - Command Caller 1: Society Line of Caller 1: Society 5: 000 5 - Command Caller 1: Society Line of Caller 1: Society 5: 0000 5 - Command Caller 1: Society Line Society 5: 0000 5 - - Command Caller 1: Society Line Society S: 00000 5 - - Command Caller 1: Society Line Society Line Society S: 00000 5 - - Society Society Line Society Line Society S: 00000 5 - - Society Society Line Society S: 00000 5 - - - Society Society Society Line Society S: 00000 5 - </td <td>Striping</td> <td>Linear Foot</td> <td>\$ 2.50</td> <td></td> <td>\$ -</td> <td></td>	Striping	Linear Foot	\$ 2.50		\$ -						
Data meter and provide series of the series	Signage	Each	\$ 750.00		ş -						
Difference Difference Difference Difference Second Se	stormwater cuivert - 12 inch	Linear Foot	ə 60.00		۰ ۰						
Control Stands - Linol Used Food 5 - - General Landscape - The Registement East 5 - - General Landscape - The Registement East 5 - - General Landscape - The Registement East 5 - - General Landscape - The Registement East 5 - - Dia Fording The Strate Registement East 5 - - Dia Fording The Registement/Rev East 5 - - Dia Fording The Registement/Rev East 5 - - - Stand Registement/Rev East 5 20000 5 - - Stand Registement/Rev East 5 20000	SITE IMPROVEMENTS										
Sector Multicipyer - Inflies/Instancing Space Family Spa	Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -						
Search Judicaging - The Regionment Gar Low Config - Trage Regionment Lines Foot S 6.00 S - Gar Config - Trage Regionment Lines Foot S S - - Gar Config - Trage Regionment/Rev Exh S 200000 S - Search Trage Regionment/Rev Exh S 200000 S - Search Trage Regionment/Rev Exh S 200000 S - Search Trage Regionment/Rev Exh S 50000 S - Search Trage Regionment/Rev Exh S 50000 S - Malder Structure Marker Exh S 50000 S - Malder Structure Marker Exh S 50000 S - Malder Structure Marker Exh S 5000 S - Malder Structure Marker S 50000 S -	General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -						
General Manual Congregation Physics Provided Section 1 Source Section Physics	General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -						
Date finding Replacement User Ford S 6.00 S Dec Unity - Uger Replacement Unity - Uger Replacement S See Table Replacement/Rev Lab S See State Replacement/Rev Lab S See State Replacement/Rev Lab S S See State Replacement/Rev Lab S S See State Replacement/Rev Lab S S	General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Did Unity Option Provides Lump and Lump and Proves Table States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the States For the Lump and Provides For the States For the States For the Lump and Provides For the States For the States For the States For the Lump and Provides For the States For the States For the States For the Lump and Provides For the States	Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -						
Data: Data 1 1 1 Data: Data 1 1 1 1 Data: Data 1 1 1 1 Data: Data: Data: 1 1 1 Data: Data: Data: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1<	Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -						
Pair: Take Registerment/New Exh \$ 2000 \$ - Bench Registerment/New Exh \$ 3000 \$ - Bench Registerment/New Exh \$ 3000 \$ - Bench Registerment/New Exh \$ 7000 \$ - Star Segarg Registerment/New Exh \$ 7000 \$ - Area Registerment/New Exh \$ 50000 \$ - Mading/Shrutur Monor Reput (Lip) Spars Foot \$ 0000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 0000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 000 \$ - Madding/Shrutur Monor Reput (Lip) Spars Foot \$ 000 \$ - Madding/Shrutur Monor R	Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		ş - S -						
Wate Receiptic Registerment/New Exh § 300.00 \$ - Bin Agritumer/New Exh \$ 800.00 \$ - Sin Upting Registerment/New Exh \$ 500.00 \$ - F4 Are Registerment/New Exh \$ 500.00 \$ - F1 Are Registerment/New Exh \$ 500.00 \$ - F1 Are Registerment/New Exh \$ 400.00 \$ - F1 Are Registerment/New Exh \$	Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -						
Bach Reglescent/New Exh S 8000 S - Gis Spage Reglescent/New Exh S 70000 S - Gis Spage Reglescent/New Exh S 70000 S - Gis Spage Reglescent/New Exh S 50000 S - Gis Spage Reglescent/New Exh S 50000 S - MILDIMON/TINUT/MALINITY Spare Foot S 0.000 S - Mildigg/Distrum Minor - Renzi Binnet Spare Foot S 0.000 S - Mildigg/Distrum Minor - Renzi Binnet Spare Foot S 0.000 S - Middigg/Distrum Minor - Patic (S = 7001 Spare Foot S 0.000 S - Middigg/Distrum Minor - Renzi Binnet Spare Foot S 0.000 S - Middigg/Distrum Minor - Renzi Binnet Exh S 0.000 S - Middigg/Distrum Minor - Renzi Binnet Exh S 0.000 S - <td>Waste Receptacle Replacement/New</td> <td>Each</td> <td>\$ 300.00</td> <td></td> <td>\$-</td> <td></td>	Waste Receptacle Replacement/New	Each	\$ 300.00		\$-						
Site Light Replacement Each 5 5000.00 5	Bench Replacement/New	Each	\$ 850.00		\$ -						
Gis Signage Replacement/New Exh. 5 5.00.00 \$ - Fig Pole Exh. 5 5.00.00 \$ - Mark Signature Complex Replacement/New Exh. 5 5.00.00 \$ - Mark Signature Complex Replacement Super Foot (S. 90.00) \$ - - Mark Signature Complex Replacement Super Foot (S. 90.00) \$ - - Mark Signature Complex Replacement Super Foot (S. 90.00) \$ - - Mark Signature More - Plant Exterior (S. 90.00) \$ - - - Mark Signature More - Plant Exterior (S. 90.00) \$ - - - Mark Signature More - Plant Exterior (S. 90.00) \$ - - - Mark Signature More - Replacement Exh. \$ \$ 50.00 \$ - Mark Signature More - Replacement Exh. \$ \$ 50.00 \$ - Mark Signature More - Replacement Exh. \$ \$ 50.00 \$ - Mark Signature More - Replacement Exh. \$	Site Lighting Replacement	Each	\$ 5,000.00		\$ -						
Child Magdantini (New Edit 5 3 3 - Register Edit 5 30000 - - NUMBAR STRUCTURAL MARCHARMS - - - - NUMBAR STRUCTURAL MARCHARMS - - - - Number Structure Monor - Restrical Square Fool 5 - - Number Structure Monor - Hunding Square Fool 5 - - Building/Structure Monor - Paulicity Square Fool 5 - - Building/Structure Monor - Restructure Square Fool 5 - - Building/Structure Monor - Restructure Square Fool 5 - - Building/Structure Monor - Restructure Square Fool 5 - - Building/Structure Monor - Restructure Each 5 80000 S - Building/Structure Monor - Restructure Each 5 80000 S - Building/Structure Monor - Restructure Each 5 80000 S	Site Signage Replacement/New	Each	\$ 750.00		\$ -						
Calified Calified Calified Calified Dubling/Structure Complete Replacement Spare Ford () S 450.00 S - Dubling/Structure More - Beart Ford () Spare Ford () S 400.0 S - Dubling/Structure More - Beart Ford () Spare Ford () S 400.0 S - Dubling/Structure More - Paint (Earching) Spare Ford () S 400.0 S - Dubling/Structure More - Paint (Earching) Spare Ford () S 400.0 S - Dubling/Structure More - Paint (Earching) Spare Ford () S 400.0 S - Dubling/Structure More - Paint (Earching) Spare Ford () S 400.00 S - Bubling/Structure More - Stetion (S 100.00 S - - - Oper/Doorwy Replacement Earch () S 400.00 S - Oper/Doorwy Replacement Earch () S 400.00 S - Valued Tolic Structure Replacement/ Hear Earch () S 400.00 S - Matewater Groundwater Dicktarge Permitting Lump Sum ()	Flag Pole	Each	\$ 5,000.00		\$ -						
NULDBACKTRUCTURAL IMPROVEMENTS Image: Construction of the palarement Square Ford 5 4000000000000000000000000000000000000	This Force		+ 0,000.00								
Building/Structure Complete Bisplacement Squar Fox 3 450.00 S - Building/Structure Minor - Nort, Hig, pairt S Squar Fox 3 S0.00 S - Building/Structure Minor - Nort, Hig, pairt S S0.00 S - - Building/Structure Minor - Nort, Hig, pairt S S0.00 S - - Building/Structure Minor - Nort, Hig, Pairt S S0.00 S - - Building/Structure Minor - Nort, Hig, Pairt S S0.00 S - - Building/Structure Minor - Nort, Hig, Pairt S S0.00 S - - Building/Structure Minor - North S S0.00 S - - - Building/Structure Minor - North S S0.000 S - - - - Building/Structure Minor - North S S0.000 S - - - - - Building/Structure Minor - North S S0.000.00 S - - - - - Valued Toler Structure Replacement Each S S0.000.00	BUILDING/STRUCTURAL IMPROVEMENTS	1									
BuildingStructure Minor - Rott, tile, paint Square Foot, S S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething Square Foot, S SOOD S - BuildingStructure Minor - Nething South Reglacement Each, S SOODO S - Moulted Toles Structure Replacement, New Each, S SOODO S - Wastewater Groundwater Discharge Permitting Lump Sum S S - Valued Toles Structure Replacement Lump Sum S S - Valued Toles Structure Replacement/Netw Each S	Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -						
anianing Anizolate Mand - Bactrical Splane Foot S S Soul S - Building Structure Mano - Hunder - Starter Starter S Soul S - Building Structure Mano - Rumbing Square Foot S Soul S - Building Structure Mano - Rumbing Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Square Foot S Soul S - Building Structure Mano - Roofing S Soul S - Building Structure Maplacement E Each S 800.00 S - For Structure Replacement/New Each S 30.000.00 S - Multed Dial Structure Replacement/New Each S 30.000.00 S - For Structure Replacement/New Each S 30.000.00 S - Matter Foot Structure Replacement/New Each S 30.000.00 S - For Structure Replacement/New Each S 30.000.00 S - Mano - Matter Foot Structure Replacement/New Each S 30.000.00 S - For Structure Replacement/Instal Lung Sum S 30.000.00 S - For Structure Replacement Lung Sum S 30.000.00 S - For Structure Replane Lung Sum S 30.000.00 S - For	Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -						
Darding Synctrume Ninor Paper Fox 3 500 5	Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -						
Dubling/Structure Ninor - Paint (servin) Square Foot \$ 5 - Dubling/Structure Ninor - Paint (servin) Square Foot \$ 2000 \$ - Dubling/Structure Ninor - Sterior Soling Square Foot \$ 2000 \$ - Nation/Structure Ninor - Sterior Soling Square Foot \$ 10000 \$ - Nation/Structure Ninor - Sterior Soling Square Foot \$ 00000 \$ - Drinking Fourtain Replacement Each \$ 80000 \$ - Valued Toles Structure Replacement Each \$ 50000 \$ - Watter Arter Notice Point Replacement Each \$ 50000 \$ - Watter Tolscharge Permitting Lump Sum \$ 1500000 \$ - Persure Docs System Replacement Lump Sum \$ 200000 \$ - Level II Teartment System Replacement Lump Sum \$ 200000 \$ - Level II Teartment System Replacement Lump Sum	Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		ş - S -						
Building/Structure Minor - Exection's Sding Square Foot S S Image: Square Foot S S Square Foot	Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -						
Building/Structure Ninor - Exteror Siding Square Foot S Image: Square Structure Ninor - Exteror Siding Foundation Replacement Each S B0000 S Image: Square Structure Ninor - Exteror Siding Foundation Replacement Each S B0000 S Image: Square Structure Ninor - Exteror Siding Foundation Replacement Each S B0000 S Image: Square Structure Ninor - Exteror Siding Foundation Replacement/New Each S Boot Structure Ninor - Exteror Siding Foundation Replacement/New Each S S Image: Square Structure Ninor - Extern Ninor - Exter	Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -						
Bistroom Stalls Replacement Each 5 800.00 5 - DoriNorug Replacement Each 5 1000.00 5 - Driving Foundan Replacement Each 5 600.00 5 - Valued Toilet Structure Replacement/New Each 5 500.00 5 - WATEWATER SYSTEM IMPROVEMENTS - - - - - Watewater Groundwater Discharge Permitting Lump Sum \$ 15.000.00 5 - Presure Dose System Replacement/Install Lump Sum \$ 30.000.00 5 - Valuel II Treatment System Replacement/Install Lump Sum \$ 30.000.00 5 - Connection To Public Watewater System Lump Sum \$ 80.000.0 5 - Connection To Public Watewater System - Puing Linee Foot \$ 50.00 5 - Connection To Public Watewater System - Water System - Water System Name \$ 45.000.00 5 - Mater System Inteatment Lump Sum <td>Building/Structure Minor - Exterior Siding</td> <td>Square Foot</td> <td>\$ 15.00</td> <td></td> <td>\$ -</td> <td></td>	Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Upony upony replacement Each 5 1.000,000 5 - Dinking Tourina Replacement Each 5 800,00 5 - Sink/Toile Replacement Each 5 600,00 5 - Water Valuet Toile Tube Replacement/New Each 5 5,000,00 5 - Waterwater Groundwater Discharge Permiting Lump Sum \$ 15,000,00 5 - Waterwater Groundwater Discharge Permiting Lump Sum \$ 30,000,00 5 - Waterwater System Replacement/Install Lump Sum \$ 30,000,00 5 - Paresure Dose System Replacement/Install Lump Sum \$ 80,000,00 5 - Connection To Public Waterwater System Lump Sum \$ 80,000,00 5 - Water System Treatment Lump Sum \$ 45,000,00 5 - Water System Treatment Lump Sum \$ 45,000,00 5 - Water System Treatment Lump Sum \$	Restroom Stalls Replacement	Each	\$ 800.00		ş -						
Description Substrate Substrate Substrate Substrate Valued Toilet Structure Replacement/New Each \$ 500000 \$ Waster Diricharge Permitting Lump Sum \$ 15,000.00 \$ Waster Diricharge Permitting Lump Sum \$ 15,000.00 \$ Wastewater Diricharge Permitting Lump Sum \$ 15,000.00 \$ Persure Does System Replacement Lump Sum \$ 30,000.00 \$ Lavel II Teartment System Replacement/Install Lump Sum \$ 20,000.00 \$ Connection To Public Wastewater System Lump Sum \$ 10,000.00 \$ Connection To Public Wastewater System - Puping Lume Foot \$ 50.00 \$ Connection To Public Wastewater System - Manhole Each \$ Water System Replacement Lump Sum \$ 10,000.00 \$ Connection To Public Wastewater System - Nanhole Each \$ 50.00 \$ Water System Replacement Lump Sum \$ 45.00.00 \$ - Conn	Duor/ Duorway Replacement	Each	\$ 1,000.00		۰ - د د						
Valued Tolict Structure Replacement/New Each \$ \$ 0 WATEWATE SYSTEM IMPROVEMENTS Watewater Groundwater Discharge Permitting Lump Sum \$ 15,000.00 Groundwater discharge permitting. Valuel II Teatment System Replacement/Install Lump Sum \$ 30,000.00 \$ - Connection to Public Watewater System Lump Sum \$ 80,000.00 \$ - Connection to Public Watewater System Lump Sum \$ 80,000.00 \$ - Connection to Public Watewater System Lump Sum \$ 80,000.00 \$ - MATER SYSTEM IMPROVEMENTS Lump Sum \$ 80,000.00 \$ - Addit Watewater System Lump Sum \$ 45,000.00 \$ - MATER SYSTEM IMPROVEMENTS Dalok Well Replacement Lump Sum \$ 45,000.00 \$ - MATER SYSTEM IMPROVEMENTS Dalok Well Replacement Lump Sum \$ 45,000.00 \$ - Connection To Public Water System Lump Sum \$ 45,000.00<	Sink/Toilet Replacement	Each	\$ 600.00		\$ -						
WASTEWATER SYSTEM IMPROVEMENTS Imposent S 15,000.00 Bearmouth E & W are on one W/W system and are currently exceeding 5,000 gpd. Groundwater Discharge Permitting Lump Sum S 15,000.00 Bearmouth E & W are on one W/W system and are currently exceeding 5,000 gpd. Groundwater Discharge Permitting. Versult Treatment Devalue Visitem Replacement. Lump Sum S 30,000.00 S - Versult Treatment System Replacement. Lump Sum S 80,000.00 S - Connection to Public Wastewater System Lump Sum S 80,000.00 S - Connection to Public Wastewater System Lump Sum S 90,000.00 S - WATER SYSTEM IMPROVEMENTS Lump Sum S 4,000.00 S - Public Wastegatement Lump Sum S 4,000.00 S - WATER SYSTEM IMPROVEMENTS Public Waster System Lump Sum S 4,000.00 S - MARE System Treatment Lump Sum S 1,000.00 S - - MOBILIZATION/DEMORE 1,0000.00 S	Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -						
WASTEWN IMPROVEMENTS Wastewater Groundwater Discharge Permitting Lump Sum \$ 15,000.00 1 \$ 15,000.00 Bearmouth E & Ware on one W/W system and are currently exceeding 5,000 god. Groundwater discharge permitting. Presure Does System Replacement/Install Lump Sum \$ 250,000.00 \$. Connection to Public Wastewater System Lump Sum \$ 10,000.00 \$. Connection to Public Wastewater System Lump Sum \$ 10,000.00 \$. Connection to Public Wastewater System Lump Sum \$ 10,000.00 \$. Connection to Public Wastewater System Lump Sum \$ 10,000.00 \$. Varter System Teatment Lump Sum \$ 4,500.00 \$. . Varter System MidPROVEMENT Varter System System - Puping Lume Sum \$ 4,500.00 \$. . . Connection to Public Water System - Puping Lume Sum \$ 10,000.00 \$. . . Duble Water System - Puping Lume											
Wastewater Groundwater Bolzengre Permitting Lump Sum § 15,000.00 1 S 15,000.00 Reamount & K.W. are on one W/W system and are currently exceeding 5,000 god. Presure Doze System Replacement Lump Sum § 30,000.00 \$ - Level II Trastment System Replacement/Install Lump Sum § 30,000.00 \$ - Pump Statin Replacement/Install Lump Sum § 80,000.00 \$ - Connection to Public Wastewater System Lump Sum \$ 80,000.00 \$ - Connection to Public Wastewater System - Manhole Each \$ 4,500.00 \$ - WATE SYSTEM IMPROVEMENTS - - - - - Pacil: Water System - Vales, Bends, etc. Lump Sum \$ 45,000.00 \$ - - Connection to Public Water System Lump Sum \$ 45,000.00 \$ - - - Connection to Public Water System Lump Sum \$ 45,000.00 \$ - - - -	WASTEWATER SYSTEM IMPROVEMENTS					Assessments F. 9. Wassessment WAllauters					
Pressure Dave System Replacement Lump Sum § 300000 \$ Image: Control of Public Values of Control of Control of Public Values of Control of Public V	Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	pearmourn c & w are on one w/w system and are currently exceeding 5,000 gpd. Groundwater discharge permitting.					
Level IT reatment System Replacement/Install Lump Sum (\$ 250,000,00) \$ - Pump Station Replacement/Install Lump Sum (\$ 80,000,00) \$ - Connection To Public Wastewater System Lump Sum (\$ 80,000,00) \$ - Connection To Public Wastewater System Lump Sum (\$ 80,000,00) \$ - Connection To Public Wastewater System - Nambole Each (\$ 50,00) \$ - Connection To Public Wastewater System - Wanhole Each (\$ 50,00) \$ - WARTER SYSTEM IMPROVEMENTS - - - Public Water System Lump Sum (\$ 2,000,00) \$ - Connection To Public Water System Lump Sum (\$ 2,000,00) \$ - Connection To Public Water System Lump Sum (\$ 2,000,00) \$ - Connection To Public Water System Lump Sum (\$ 2,000,00) \$ - Connection To Public Water System Lump Sum (\$ 2,000,00) \$ - Connection To Public Water System - Valves, Bends, etc. Each (\$ 51,000,00) \$ - MOBULZATION/DEMOB. 18% (\$ 31,000,00) \$ - - MOBULZATION/DEMOB. 18% (\$ 32,000,00) \$ - - MOBULZATION/DEMOB. 18% (\$ 32,000,00) \$ - - <tr< td=""><td>Pressure Dose System Replacement</td><td>Lump Sum</td><td>\$ 30,000.00</td><td></td><td>\$ -</td><td></td></tr<>	Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Pump Station Replacement Lump Sum § 80,000,000 \$ - Connection to Public Watewater System Lump Sum \$ 10,000,00 \$ - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -						
Lunn extra vaster system Lung Sum 5 1000000 5 - Connection to Public Wastewater System - Manhole Each 5 5000 5 - Connection to Public Wastewater System - Manhole Each 5 5000 5 - WATER SYSTEM IMPROVEMENTS - - - - - Water System Treatment Lump Sum 5 2.0000.00 5 - Connection to Public Water System Lump Sum 5 2.0000.00 5 - Connection to Public Water System Lump Sum 5 2.0000.00 5 - Connection to Public Water System Lump Sum 5 1.000.00 5 - Connection to Public Water System Lump Sum 5 1.000.00 5 - MMBROVEMENT TEMS Immediate System Sum TOTAL 5 1.000.00 5 - Connection to Public Water System MBBUZATION/DEMOB. 1.8% 3.240.00 Industrational area, structural elements, public outread CONTINGENCY 25	Pump Station Replacement	Lump Sum	\$ 80,000.00		ş -						
Connection for bublic Water System - Wanhole Each Eac	Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ - ¢						
WATE SYSTEM IMPROVEMENTS P WATE SYSTEM IMPROVEMENTS	Connection to Public Wastewater System - Piping Connection to Public Wastewater System - Manhole	Each	> 50.00 \$ 4.500.00		 ۲						
WATER SYSTEM IMPROVEMENTS Lump Sum \$ 45,000,00 \$ 5 Value: Well Replacement Lump Sum \$ 45,000,00 \$	Sector Contract System Manuae	- 36.11	,								
Public Water System Lump Sum § 45.000.00 § - Water System Treatment Lump Sum § 20,000.00 \$ - Connection to Public Water System Lump Sum § 10,000.00 \$ - Connection to Public Water System Lime Fort \$ 65.00 \$ - Connection to Public Water System Line Fort \$ 65.00 \$ - Connection to Public Water System Vales, Bends, etc. Each \$ 18,000.00 \$ - MOBILIZATION/DEMOB. 18% \$ 3,240.00 Includes all costs incurred in assembling and transporting materials to the work site. CONTINGENCY 25%. \$ \$ 3,240.00 includes all costs incurred in assembling and transporting materials to the work site. CONTINGENCY 25%. \$ \$ 3,240.00 and other unanticipated conditions. SUBTORM \$ 2,655.00 construction of a project but are 2,655.00 indirect costs are not directly associated with the construction of a project but are 5,550.00 INDIRECT COST (JIC) - CONSTRUCTION \$	WATER SYSTEM IMPROVEMENTS										
Water System Treatment Lump Sum S 200.000 S - Connection to Public Water System Lump Sum S 1.000.00 S - Connection to Public Water System Line Ford S 6.000 S - Connection to Public Water System Valuer System F. 60.00 S - - Connection to Public Water System Each S 1.000.00 S - MPROVEMENT ITEMS SUBTOTAL S 18,000.00 S - - MOBILIZATION/DEMOR 18% S 3.240.00 Included To Secont for undernial enters including public not limited to the work bit include to Secont for undernial enters including but not limited to the work bit control CONTINGENCY 25% S 5.310.00 and other unanticipated conditions. SUBTOTAL S 2,655.00 - PRELIMINARY ENGINEERING 10% S 2,655.00 INDIRECT COST (JICC) - CONSTRUCTION 10.49% S 2,785.10 INDIRECT COST (JICC) - CONSTRUCTION 10.49% S 2,785.10	Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Connection to Public Water System Lump Sum \$ 10,000,00 \$ - Connection to Public Water System - Valves, Bends, etc. Each \$ 6.00 \$ - Connection to Public Water System - Valves, Bends, etc. Each \$ 1,000,00 \$ - Connection to Public Water System - Valves, Bends, etc. Each \$ 1,000,00 \$ - MOBILIZATION/DEMOB. 18% \$ 3,240,00 Industra all costs incurred in assembling and transporting materials to the wrink site incurred in assembling ban not immeter to BMPs, traffic control, incidental pavement transitional area, structural elements, public outread CONTINGENCY 25% \$ 5,310,00 and other unanticipated conditions. SUBTORIX \$ 26,550,00 - construction of a project but are PRELIMINARY ENGINEERING 10% \$ 2,655,00 - CONTRUCTON 10.49% \$ 2,785,10 - INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785,10 -	Water System Treatment	Lump Sum	\$ 20,000.00		\$ -						
Connection to Public Water System - Valves, Bends, etc. Each 5 - Connection to Public Water System - Valves, Bends, etc. Each 5 - MMRROVEMENT ITEMS SUBTOTAL \$ 18,000.00 \$ - MOBILIZATION/DEMOB. 18% \$ 3,240.00 Included to account for undentified tems including but not immeter to BMPs, trainic included to account for undentified tems including but not immeter to BMPs, trainic control, incidental pavement transitional areas, structural elements, public outread CONTINGENCY 25% \$ 3,310.00 and other unanticipated conditions. VBUTOTAL \$ 2,555.00 - - - PRELIMINARY ENGINEERING 10% \$ 2,655.00 - - INDIRECT COST (JIC) - CONSTRUCTION 10.49% \$ 2,785.10 Incide during the construction of a project but are subject to change. SUBTORX \$ 8,095.10 - - -	Connection to Public Water System	Lump Sum	\$ 10,000.00		5 -						
Demonstration of starting participations, etc. Links S 3 - IMPROVEMENT TEMS SUBTOTAL \$ 13,000.00 MOBILIZATION/DEMOB. 13% \$ 3,240.00 Includes all costs incurred in assembling and transporting materials to the work site. MOBILIZATION/DEMOB. 13% \$ 3,240.00 Includes all costs incurred in assembling and transporting materials to the work site. CONTINGENCY 25% \$ 5,310.00 and other unanticipated conditions. SUBTOTAL \$ 26,550.00 CONSTRUCTION ENGINEERING 10% \$ INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785.10 Incurred during the construction projects. IDC percentage is subject to change. SUBTOTAL \$ \$,0755.10 Incurred uning the construction projects. IDC percentage is subject to change.	Connection to Public Water System - Piping	Linear Foot	\$ 1 000 00		ۍ - د						
MOBILIZATION/DEMOR. 18K \$ 1,200001 MOBILIZATION/DEMOR. 18K \$ 3,240.00 Includes all costs incurred in assembling and transporting materials to the work site mounder to account for unmention dream transmitting and transporting materials to the work site control, includent parement transmittional areas, structural elements, public outreact control, includent parement transmittional areas, structural elements, public outreact control, includent parement transmittional areas, structural elements, public outreact control, includent parement transmittional areas, structural elements, public outreact control, includent parement transmittional areas, structural elements, public outreact control, includent parement transmittional areas, structural elements, public outreact control, includent parement transmittional areas, structural elements, public outreact construction regiments public outreact construction regiments public outreact construction regiments indirect costs are not directly associated with the construction of a project but are indirect Cost (IDC) - CONSTRUCTION support 10.49%, \$ 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process. IDC percentage is subject to change. Support 2, 2,785.10 incurred during the construction process	connection to Fubic water system - valves, benus, etc.	LdUI	IMPROVEN	ENT ITEMS SUBTOTAL	 - -						
MOBILIZATION/DEMOB. 18% 5 3,240.00 Include to account for undentified and mapporting materials to the work site include to account for undentified tesm including tesm inclinclinclide tesm including tesm inclinclinclide tesm inc	ļ		NOVEN	JODI O TAL	+ 10,000.00	1					
CONTINGENCY 25% \$ 5,310.00 and other unanticipated conditions. CONTINGENCY 25% \$ 5,310.00 and other unanticipated conditions. CONTINGENCY 25% \$ 5,310.00 and other unanticipated conditions. SUBTORL \$ 2,655.00 CONSTRUCTION ENGINEERING 10% \$ 2,655.00 Indirect costs are not directly associated with the construction of a project but are INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785.10 incurred during the construction process. IDC percentage is subject to change. SUBTORL \$ 8,095.10	MOBILIZATION/DEMO8. 18% \$ 3,240.00 Includes all costs incurred in assembling and transporting materials to the work site										
CONTINGENCY 25% 5 5.310.00 and other unanticipated conditions. SUBTOTAL \$ 26,550.00 26,550.00 PRELIMINARY ENGINEERING 10% \$ 2,655.00 CONSTRUCTION ENGINEERING 10% \$ 2,655.00 Indirect COST (UCC) - CONSTRUCTION 10%% \$ 2,655.00 SUBTOTAL \$ 2,655.00 Indirect costs are not directly associated with the construction of a project but are indirect costs are not directly associated with the construction of a project but are subject to change. NDIRECT COST (UCC) - CONSTRUCTION 10.49%. \$ 8,095.10						control, incidental pavement transitional areas, structural elements, public outreach					
SUBTOTAL \$ 26,550.00 PRELIMINARY ENGINEERING 10% \$ 2,655.00 CONSTRUCTION ENGINEERING 10% \$ 2,655.00 Indirect costs are not directly associated with the construction of a project but are Indirect costs are not directly associated with the construction of a project but are INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785.10 SUBTOTAL \$ 8,095.10			CONTINGENCY	25%	\$ 5,310.00	and other unanticipated conditions.					
PRELIMINARY ENGINEERING 10% S 2,655.00 CONSTRUCTION ENGINEERING 10% S 2,655.00 Indirect costs are not directly associated with the construction of a project but are				SUBTOTAL	\$ 26,550.00	-					
CONSTRUCTION ENGINEERING 10% \$ 2,655.00 Indirect costs are not directly associated with the construction of a project but are INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785.10 incurred during the construction process. IDC percentage is subject to change. SUBTORL \$ 8,095.510		PRELIMINAP	YENGINEERING	10%	\$ 2,655,00						
Indirect costs are not directly associated with the construction of a project but are INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785.10 incurred during the construction process. IDC percentage is subject to change. SUBTOTAL \$ 8,095.10		CONSTRUCTIO	N ENGINEERING	10%	\$ 2,655.00						
INDIRECT COST (IDC) - CONSTRUCTION 10.49% \$ 2,785.10 incurred during the construction process. IDC percentage is subject to change. SUBTOTAL \$ 8,095.10					,	to discuss one and discuss considered with the second states of the					
SUBTOTAL \$ 8,095.10	INDIDEC		ONSTRUCTION	10.49%	\$ 2.785 10	incurred during the construction process, IDC nercentage is subject to change					
	INDIREC			SUBTOTAL	\$ 8,095.10	C					

Estimated Total Project Cost \$ 34,645.10

Bozeman									
			Health Sco	oring Index					
Element	Score 8.7	Add 6 truck cto	ls, chin seal narking lot		Comments				
Site	6.0	Address surface	e runoff and ponding is:	sues, sidewalks and ADA ramps					
Structure	16.7								
Water Wastewater	26.0								
Amenities	4.0								
Overall Health Index Score= 85.3									
			Improvemente	Cost Estimate					
	1	Estimated	Improvements	Estimated Improvement					
Item Description	Unit	Unit Price	Quantity	Cost (2018)	Comments				
		(2018)	DEMOLITI	ON ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00		\$ -					
Asphalt Removal Concrete Curb & Gutter Removal	Square Yard	\$ 12.00 \$ 10.00		\$ -					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,000	\$ 2,000.00	Remove and replace with ADA compliant				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -					
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ - \$					
Well Removal/Abandonment	Each	\$ 2,000.00		s -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -					
		Dem	olition Items Subtotal	\$ 2,000.00					
			IMPROVEN	IENT ITEMS					
PARKING AREA IMPROVEMENTS			WIFROVEN						
Chip Sealing	Square Foot	\$ 0.40	80,000	\$ 32,000.00	Parking and ramp				
Mill & Fill Rituminous Pavement	Square Foot	\$ 1.70	300	\$	Assumes additional 12 000 soft truck parking				
Crushed Aggregate Base	Cubic Yard	\$ 60.00	667	\$ 40,000.00	Based on 18" section under asphalt area				
Concrete Curb & Gutter	Linear Foot	\$ 30.00	600	\$ 18,000.00	Additional curb and gutter for truck parking and stormwater issues				
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant				
Striping Signage	Linear Foot Each	\$ 2.50 \$ 750.00	2,810	\$ 7,025.00 \$ -	I ruck parking				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00	200	\$ 12,000.00	Address ponding issues				
SITE IMPROVEMENTS Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	200	\$ 833333	Renjace with ADA compliant				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	200	\$ -	repute warrang compliant				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -					
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -					
Bench Replacement/New	Each	\$ 850.00	3	\$ 2,550.00	Replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00		\$ -					
Site Signage Replacement/New	Each	\$ 750.00		\$ -					
Pet Area Replacement/New Flag Pole	Each	\$ 5,000.00		\$ -					
		+ 0/000100							
BUILDING/STRUCTURAL IMPROVEMENTS		1.							
Building/Structure Complete Replacement Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 450.00		\$ - \$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ - \$					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -					
Restroom Stalls Replacement	Each	\$ 800.00		ş -					
Doory Doorway Replacement Drinking Fountain Replacement	Each	\$ 1,000.00 \$ 800.00		» - Տ -					
Sink/Toilet Replacement	Each	\$ 600.00		\$ -					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -					
WASTEWATER SYSTEM IMPROVEMENTS		I			1				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		ş -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -					
Level II Treatment System Replacement/Install Pump Station Replacement	Lump Sum	\$ 250,000.00	l	s -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$-					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -					
WATER SYSTEM IMPROVEMENTS		1	l		<u> </u>				
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -					
Connection to Public Water System	Lump Sum	\$ 10,000.00		s -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
	·	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 160,908.33					
	MOBILI7	ATION/DEMOR	18%	\$ 28 963 50	Includes all costs incurred in assembling and transporting materials to the work site.				
	WIG DILL	, 52.1105.	20/0		Included to account for unidentified items including but not limited to BMPs, traffic				
		CONTINGENCY	25%	\$ 47,467.96	control, incluental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 237,339.79	-				
	DDCIMAN	VENCINCOVC	1000	¢ 33 333 66					
	CONSTRUCTIO	N ENGINEERING	10%	23,733.98 \$ 23,733.98					
					Indirect costs are not directly associated with the construction of a project but are				
INDIR	ECT COST (IDC) -	CONSTRUCTION	10.49%	\$ 24,896.94	incurred during the construction process. IDC percentage is subject to change.				
	-		SUBTOTAL	\$ 72,364.90					

Estimated Total Project Cost \$ 309,704.69

Bridger									
			Health Sco	oring Index					
Element	Score 16.0	Comments							
Site	4.7	Remove and rep	lace 300' of sidewalk						
Structure	12.7	Replace roof an	d plumbing fixtures. Re	habilitate interior					
Water	21.3	Poplaco aging p							
Amenities	4.0	neplace aging p	ressure dose system						
Overall Health Index Score=	70.8								
			Improvements	Cost Estimate					
Item Description	Unit	Unit Price	Proposed Total	Estimated Improvement Cost	Comments				
		(2018)	Quantity	(2018)					
Querall Site Clearing	Acro	\$ 2,200,00	DEMOLITI	ON ITEMS					
Asphalt Removal	Square Yard	\$ 12.00		\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,500	\$ 3,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -					
Irrigation System Removal	Each	\$ 2,000.00		s -					
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -					
		Dem	olition Items Subtotal	\$ 3,000.00					
			HADDON	IGNIT ITEMS					
ADEVING ADEA INDECUVEMENTS									
Chip Sealing	Square Foot	\$ 0.40	49,000	\$ 19.600.00	Parking and ramps				
Mill & Fill	Square Foot	\$ 1.70	.,	\$ -					
Bituminous Pavement	Ton	\$ 120.00		\$ -					
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -					
Concrete Curb & Gutter	Linear Foot	\$ 30.00	400	\$ 12,000.00	Replace with sidewalks Replace with sidewalks				
Striping	EdCN Linear Foot	\$ 1,500.00 \$ 2.50	± 800	\$ 1,500.00 \$ 2,000.00	Parking and ramps				
Signage	Each	\$ 750.00	3	\$ 2,250.00	Replace directional signage				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -					
SITE IMPROVEMENTS									
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	300	\$ 12,500.00	Assumes all sidewalk is 5' wide				
General Landscaping - Turt/Seed/Hardscape	Square Foot	\$ 400.00		\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		ş -					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter				
Waste Receptacle Replacement/New	Each	\$ 2,500.00	6	\$ 5,000.00 \$ 1.800.00	Replace				
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00	8	\$ 40,000.00	Replace with LED				
Site Signage Replacement/New	Each	\$ 750.00	5	\$ 3,750.00	Replace most existing signs				
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -					
Flag Pole	Each	\$ 5,000.00	1						
BUILDING/STRUCTURAL IMPROVEMENTS	1								
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$-					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	1,300	\$ 13,000.00	Update interior of men's and women's				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	1 300	\$ 65,000,00	Renlace fixtures and numbing				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00	-,	\$ -	repare man es ane pranten 6				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00	1,300	\$ 26,000.00	New roof				
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -	1				
Restroom Stalls Replacement	Each	\$ 800.00	5	\$ 4,000.00	Update interior of men's and women's for ADA compliance				
Drinking Fountain Replacement	Each	\$ 1,000.00	2	\$ 1.600.00	Remove and replace with ADA compliant				
Sink/Toilet Replacement	Each	\$ 600.00	10	\$ 6,000.00	Update men's and women's for ADA compliance				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -					
WASTEWATER SYSTEM IMPROVEMENTS	Luma C. I	é 15 000 c-		~					
Pressure Dose System Replacement	Lump Sum	\$ 30,000,00	1	\$ 30.000.00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	-	\$ -	niesene er erennen og annyr i sovenner replacement al ca orrate				
Pump Station Replacement	Lump Sum	\$ 80,000.00	_	\$ -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$-					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		s -					
connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -					
WATER SYSTEM IMPROVEMENTS	1	İ.							
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		s -					
connection to Public Water System - Valves, Bends, etc.	Each	> 1,000.00	NT ITEMS CURTOT	>					
Ļ		INIPROVEMI	INT THEMIS SUBTOTAL	ə 310,700.00	Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB.	18%	\$ 55,926.00	site.				
					included to account for unidentified items including but not limited to BMPs, traffic control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 91,656.50	outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 458,282.50					
	DELIMAN		4000	ć 45.000.05					
		N ENGINEERING	10%	45,828.25 \$ 45.828.25					
			10%	. 45,020.25					
		ONICTORICCIO	10.40%	\$ 40.077.07	Indirect costs are not directly associated with the construction of a project but are				
INDIREC	(IDC) - (SUBTOTAL	\$ 139,730.33	man and an ing the construction process. Do percentage is subject to change.				

Estimated Total Project Cost \$ 598,012.83

Broadus									
	-		Health Scoring Index						
Element	Score				Comments				
Pavement	16.7	Romovo and ro	alaco non compliant Af	A sidowalk					
Structure	9.7	Rehabilitate fac	ility interior features a	nd plumbing fixtures					
Water	14.7	Add water trea	tment system						
Wastewater	18.2								
Amenities	4.0								
Overall Health Index Score=	68.5								
			Improvements	Cost Estimate					
	r	Estimated	improvements	Estimated Improvement	ſ				
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments				
		(2018)	Qualitity	(2018)					
Overall Site Clearing	Acre	\$ 3,300,00	DEMOLITI	S .					
Asphalt Removal	Square Yard	\$ 12.00		\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	200	\$ 2,000.00	Estimated removal area limited to RA site only				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	800	\$ 1,600.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -					
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -					
Irrigation System Removal Well Removal/Abandonment	Each	\$ 2,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		ş -					
		Dem	olition Items Subtotal	\$ 3,600.00					
IMPROVEMENT ITEMS									
PARKING AREA IMPROVEMENTS	Course 5 - 1	¢ 0.17		ć					
cnip seanng Mill & Fill	Square Foot	> 0.40		<u>ې</u> -					
Bituminous Pavement	Ton	\$ 120.00		s -					
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -					
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$-					
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50		\$ -					
Signage Stormwater Culvert - 12 inch	Each	\$ 750.00	2	\$ 1,500.00 \$	Additional directional signage				
Stormwater Curvert - 12 IIICI	cineal root	- 00.00		· ·					
SITE IMPROVEMENTS	1	1			1				
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	200	\$ 8,333.33	Assumes all sidewalk is 5' wide				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -					
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -					
Site Fencing Replacement Site Htility - Ungrade Power/nbone/cable	Linear Foot	\$ 20,000,00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	1	\$ 30,000.00	Estimates includes picnic table, concrete and shelter				
Picnic Table Replacement/New	Each	\$ 2,500.00	1	\$ 2,500.00	Stand alone picnic table				
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -					
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00	0	\$	Roplaco				
Pet Area Replacement/New	Each	\$ 5,000.00	3	\$ -	Neplace				
Flag Pole	Each	\$ 5,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS	1								
Building/Structure Complete Replacement	Square Foot	\$ 450.00	2.400	\$ -	hada bash da da da da da da				
Building/Structure Minor - Floor, tile, paint Building/Structure Minor - Electrical	Square Foot	> 10.00 \$ 50.00	2,100	> 21,000.00	opuale interior of men's and women's				
Building/Structure Minor - HVAC	Square Foot	\$ 40,00		s -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	2,100	\$ 105,000.00	Replace fixtures and plumbing				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -	I feedball intension of second community for APA A second Process				
nesu oom Stalls Replacement	Each	> 800.00	3	> 2,400.00	upuate interior of men's and women's for ADA compliance				
Drinking Fountain Replacement	Each	\$ 800.00	2	\$ 1.600.00	Remove and replace with ADA compliant				
Sink/Toilet Replacement	Each	\$ 600.00	6	\$ 3,600.00	Update men's and women's for ADA compliance				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -					
WASTEWATER SYSTEM IMPROVEMENTS	luc: C	¢ += ~		ć					
Conventional Gravity System Replacement	Lump Sum	> 15,000.00		۰ - د د					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250.000.00		s -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -					
Public Well Replacement	Lump Sum	\$ 45,000,00		s -					
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	Install water treatment system				
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
L		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 209,483.33	Includes all costs insurred in accombling and transmission metasials to the set				
	MOBII 17	ATION/DEMOR	18%	\$ 37.707.00	site.				
<u>.</u>		. ,	20%		Included to account for unidentified items including but not limited to BMPs, traffic				
		CONTINGENCY	25%	\$ 61 707 59	control, incidental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions				
		CONTINUERUT	25% SUBTOTAL	\$ 308.987.92	ourcour, and other unanticipated conditions.				
					-				
	PRELIMINAR	Y ENGINEERING	10%	\$ 30,898.79					
	CONSTRUCTIO	N ENGINEERING	10%	\$ 30,898.79					
					Indirect costs are not directly associated with the construction of a project but are				
INDIREC	T COST (IDC) - 0	ONSTRUCTION	10.49%	\$ 32,412.83	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 94,210.42					

Estimated Total Project Cost \$ 403,198.33

Clearwater Junction									
				Health Sco	oriı	ng Index			
Element	Score	1.0°2	- 61				Comments		
Pavement	15.7	Mill a	n fill, restr	ipe, remove center isla	land	ridowalk fonce in not area			
Structure	5.7	Undat	te interior	features and plumbing	IDA S	tures			
Water	13.7	Add st	dd storage and replace aging well						
Wastewater	10.2	Repla	ce aging p	ressure dose drainfield	d.				
Amenities	4.0								
Overall Health Index Score=	62.5	I							
				Improvements	• •	ost Estimato			
		Est	imated	improvementa	1	Estimated Improvement			
Item Description	Unit	Uni	it Price	Proposed Total Quantity		Cost	Comments		
		(2	2018)	Country		(2018)			
Overall Site Clearing	Acre	s	3 300 00	DEIVIOLITI	Ś	-			
Asphalt Removal	Square Yard	\$	12.00	200	\$	2,400.00	Estimated removal area limited to parking island		
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00	250	\$	2,500.00	Estimated removal area limited to parking island		
Concrete Sidewalk Removal	Square Foot	\$	2.00	2,000	\$	4,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.		
Building/Structure Removal	Square Foot	Ş	50.00		Ş	-			
Pichic Table and Shelter Removal	Each	Ş	2,000,00		Ş	-			
Well Removal/Abandonment	Each	s	3,000,00		s	-			
Septic System Removal/Abandonment	Each	\$	5,000.00		\$				
			Dem	olition Items Subtotal	\$ ا	8,900.00			
		_			_				
				IMPROVEN	MEN	IT ITEMS			
PARKING AREA IMPROVEMENTS	Source Feet	¢	0.40						
Mill & Fill	Square Foot	s S	1 70	180.000	¢	306.000.00	Parking and ramps		
Bituminous Pavement	Ton	\$	120.00	100,000	\$ \$	12,000.00	Approx. 4,000 sf for island		
Crushed Aggregate Base	Cubic Yard	\$	60.00	222	\$	13,333.33	Based on 18" section under asphalt area		
Concrete Curb & Gutter	Linear Foot	\$	30.00	300	\$	9,000.00	Replace broken sections		
ADA Ramps	Each	\$	1,500.00	3	\$	4,500.00	Replace with ADA compliant		
Striping	Linear Foot	\$	2.50	2,800	\$	7,000.00	Parking and ramps		
Signage Stormwater Culvert 12 inch	Each	ş	750.00	4	Ş	3,000.00	Directional signage		
Stormwater Curvert - 12 men	smear root	2	00.00		Ş	-			
SITE IMPROVEMENTS					-				
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	400	\$	16,666.67	Assumes all sidewalk is 5' wide		
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00		\$	-			
General Landscaping - Tree Replacement	Each	\$	400.00		\$	-			
General Landscaping - Irrigation System Replacement	Square Foot	ş	1.00		ş	-			
Site Litility - Lingrade Rower/nhone/cable	Linear Foot	2 5 2	0.000		ç	-			
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 5	0,000.00		\$	-			
Picnic Table Shelters Replacement/New	Each	\$ 3	0,000.00		\$	-			
Picnic Table Replacement/New	Each	\$	2,500.00	2	\$	5,000.00	ADA upgrades		
Waste Receptacle Replacement/New	Each	\$	300.00		\$	-			
Bench Replacement/New	Each	ş	850.00	2	Ş	1,700.00	Replace with ADA compliant		
Site Lighting Replacement	Each	Ş	5,000.00	4	Ş	- 2,000,00	Lindate		
Pet Area Benlacement/New	Each	s	5.000.00	4	ŝ	3,000.00	opuace		
Flag Pole	Each	\$	5,000.00	1					
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$	450.00	4.400	\$	-			
Building/Structure Minor - Floor, tile, paint	Square Foot	Ş Ç	10.00	1,400	Ş	14,000.00	Update interior of men's and women's		
Building/Structure Minor - HVAC	Square Foot	ŝ	40.00		ŝ	-			
Building/Structure Minor - Plumbing	Square Foot	\$	50.00	1,400	\$	70,000.00	Replace fixtures and plumbing		
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$	-			
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$	-			
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$	-	Index interior of mode and comparis for 100 to 100 to 100		
nesu oom stalls keplacement Door/Doorway Replacement	Each	s S	800.00 1.000.00	3	\$	2,400.00	opuate interior of men's and women's for ADA compliance		
Drinking Fountain Replacement	Each	Ś	800.00	2	ŝ	1.600.00	Remove and replace with ADA compliant		
Sink/Toilet Replacement	Each	\$	600.00	6	\$	3,600.00	Update men's and women's for ADA compliance		
Vaulted Toilet Structure Replacement/New	Each	\$ 5	0,000.00		\$				
					Γ				
WASTEWATER SYSTEM IMPROVEMENTS	Luma C. J	. ·	F 000 05		<u>^</u>				
Conventional Gravity System Replacement	Lump Sum	\$ 1	5,000.00	1	Ş ¢	-	Replace drainfield: assume replacement area on cito		
Level II Treatment System Replacement/Install	Lump Sum	\$ 25	0,000.00	4	ې S		reproce or or minera, assume reprocement alled OII-Site.		
Pump Station Replacement	Lump Sum	\$ 8	0,000.00		ş	-			
Connection to Public Wastewater System	Lump Sum	\$ 1	0,000.00		\$	-			
Connection to Public Wastewater System - Piping	Linear Foot	\$	50.00		\$	-			
Connection to Public Wastewater System - Manhole	Each	\$	4,500.00		\$	-			
	1	I			L				
Public Well Replacement	Lump Sum	Ś A	5.000.00	1	s	45.000.00	Replace existing well		
Water System Treatment	Lump Sum	\$ 2	0,000.00	1	ş	20,000.00	Add capacity/storage		
Connection to Public Water System	Lump Sum	\$ 1	0,000.00		\$	-			
Connection to Public Water System - Piping	Linear Foot	\$	65.00		\$	-			
Connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		\$	-			
L		IM	PROVEM	ENT ITEMS SUBTOTAL	\$	576,700.00	Includes all costs incurred in accombling and transmission metasials to the		
	MOBILIZ	ATION	/DEMOR	18%		103 806 00	Includes all costs incurred in assembling and transporting materials to the work site		
<u>.</u>				20%	Ŧ	200,000	Included to account for unidentified items including but not limited to BMPs, traffic		
		CONT	INGENCY	25%		170 126 50	control, incidental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions		
		CONT		25% SUBTOTAL	, , L \$	850,632.50	our cour, and other unanticipated conditions.		
					÷				
	PRELIMINAR	Y ENG	INEERING	10%	6\$	85,063.25			
(CONSTRUCTIO	N ENGI	INEERING	10%	5\$	85,063.25			
							Indirect costs are not directly associated with the construction of a project but are		
INDIRECT	COST (IDC) - 0	CONST	RUCTION	10.49%	ί\$	89,231.35	incurred during the construction process. IDC percentage is subject to change.		
				SUBTOTAL	LŚ	259,357.85			

Estimated Total Project Cost \$ 1,109,990.35

Columbus (East)								
1			Health Scoring Index					
Element Pavement	5core 14.3				comments			
Site	8.0							
Structure	19.0							
Water Wastewater	12.5	Future groundv	Future groundwater discharge permitting					
Amenities	4.0							
Overall Health Index Scor	e= 81.2							
			Improvements	Cost Estimate				
	1	Estimated	Proposed Total	Estimated Improvement				
Item Description	Unit	Unit Price	Quantity	Cost (2018)	Comments			
		(2018)	DEMOLIT	ON ITEMS				
Overall Site Clearing	Acre	\$ 3,300.00		\$ -				
Asphalt Removal Concrete Curb & Gutter Removal	Square Yard	\$ 12.00 \$ 10.00		\$ - \$				
Concrete Sidewalk Removal	Square Foot	\$ 2.00		ş -				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -				
		Dem	olition Items Subtotal	\$ -				
			IMPROVEN	1ENT ITEMS				
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40		\$ -				
Mill & Fill Rituminous Pavement	Square Foot	\$ 1.70	1	<u>s</u> -				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -				
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$-				
ADA Ramps	Each	\$ 1,500.00		ş -				
Signage	Each	> 2.50 \$ 750.00		s -				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -				
SITE IMPROVEMENTS	Lineal Foot	¢ 41.67		¢				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -				
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -				
Site Fencing Replacement Site Utility - Upgrade Power/phone/cable	Linear Foot	\$ 20.000.00		s -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -				
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ - 6				
Bench Replacement/New	Each	\$ 850.00		\$ -				
Site Lighting Replacement	Each	\$ 5,000.00		\$-				
Site Signage Replacement/New	Each	\$ 750.00		\$ -				
Pet Area Replacement/New	Each	\$ 5,000.00		ş -				
		+ 0,000.000						
BUILDING/STRUCTURAL IMPROVEMENTS			1					
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		<u>\$</u>				
Building/Structure Minor - Paint (Exterior)	Square Foot	\$ 20.00		s -				
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -				
Restroom Stalls Replacement	Each	\$ 800.00		s -				
Door/ Doorway Replacement Drinking Fountain Replacement	Each	\$ 1,000.00		s -				
Sink/Toilet Replacement	Each	\$ 600.00		\$				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -				
WASTEWATER SYSTEM IMDPOVEMENTS	1							
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Future groundwater discharge permitting for combined site.			
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		s -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		s -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -				
WATER SYSTEM IMPROVEMENTS		I						
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -				
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -				
Connection to Public Water System	Lump Sum	\$ 10,000.00		s -				
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -				
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 15,000.00				
	MORI! 17	ATION/DEMOR	199/	\$ 2 700 00	Includes all costs incurred in assembling and transporting materials to the work site			
	WOULL		1076	- 2,750.00	Included to account for unidentified items including but not limited to BMPs, traffic			
		CONTINGENCY	25%	\$ 4.425.00	control, incloental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions.			
			SUBTOTAL	\$ 22,125.00				
	DDELINAIN	VENCINCOURCE	4000	¢ 3313.50				
	CONSTRUCTIO	N ENGINEERING	10%	\$ 2,212.50 \$ 2,212.50				
					Indirect parts are not directly acceptated with the sector time of a sector to the			
INDIRI	CT COST (IDC) - 0	CONSTRUCTION	10.49%	\$ 2,320.91	incurred during the construction process. IDC percentage is subject to change.			
	· · · ·	-	SUBTOTAL	\$ 6,745.91				

Estimated Total Project Cost \$ 28,870.91

Columbus (West)							
			Health Sco	oring Index	Comments		
Element	Score 16.7				Comments		
Site	7.7						
Structure	19.0						
Water Wastewater	21.7	Future groundv	uture eroundwater discharee nermitting				
Amenities	4.0			5			
Overall Health Index Sco	re= 81.5						
			Improvoment	Cost Estimato			
	1	Estimated	improvements	Estimated Improvement			
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments		
		(2018)	DEMOLIT	(2018) ON ITEMS			
Overall Site Clearing	Acre	\$ 3,300.00	DEMOLIT	\$ -			
Asphalt Removal	Square Yard	\$ 12.00		\$-			
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -			
Concrete Sidewalk Removal Building/Structure Removal	Square Foot	\$ 2.00		\$ -			
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -			
Irrigation System Removal	Each	\$ 2,000.00		\$ -			
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -			
Septic System Removal/Abandonment	Each	\$ 5,000.00	olition Itoms Subtotal	s -			
		Dem	oncion items Subtotai	\$ -			
			IMPROVEN	IENT ITEMS			
PARKING AREA IMPROVEMENTS							
Chip Sealing	Square Foot	\$ 0.40		\$ -			
Mill & Fill Rituminaus Rayomont	Square Foot	\$ 1.70		<u>s</u> -			
Crushed Aggregate Base	Cubic Yard	\$ 60.00		s -			
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$			
ADA Ramps	Each	\$ 1,500.00		\$ -			
Striping	Linear Foot	\$ 2.50		\$ -			
Signage Stormwater Culvert - 12 incb	Each	\$ 750.00		\$ - \$			
Stornwater cowert - 12 mich	Linearroot	\$ 00.00		ş -			
SITE IMPROVEMENTS							
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -			
General Landscaping - Tree Replacement General Landscaping - Irrigation System Replacement	Each Square Foot	\$ 400.00		s -			
Site Fencing Replacement	Linear Foot	\$ 6.00		ş -			
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -			
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -			
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -			
Picnic Table Replacement/New Waste Recentacle Replacement/New	Each	\$ 2,500.00		s -			
Bench Replacement/New	Each	\$ 850.00		ş -			
Site Lighting Replacement	Each	\$ 5,000.00		\$ -			
Site Signage Replacement/New	Each	\$ 750.00		\$ -			
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -			
Flag Pole	Each	\$ 5,000.00					
BUILDING/STRUCTURAL IMPROVEMENTS							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$-			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -			
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -			
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -			
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -			
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -			
Building/Structure Minor - Exterior Siding Restroom Stalls Replacement	Square Foot	\$ 15.00	1	s - s			
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -			
Drinking Fountain Replacement	Each	\$ 800.00		\$			
Sink/Toilet Replacement	Each	\$ 600.00		\$ -			
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		ş -			
WASTEWATER SYSTEM IMPROVEMENTS		1					
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Future groundwater discharge permitting for combined site.		
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -			
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -			
Pump station Replacement	Lump Sum	\$ 80,000.00		s -			
Connection to Public Wastewater System	Linear Font	\$ 50.00		s -			
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -			
WATER SYSTEM IMPROVEMENTS Public Well Replacement	Lumo Sum	\$ 45,000,00		s			
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -			
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -			
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -			
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -			
L		INIPROVÉM	ENT TIENS SUBTOTAL	ə 15,000.00	Includes all costs incurred in assembling and transporting materials to the work		
	MOBILIZ	ATION/DEMOB.	18%	\$ 2,700.00	site.		
					included to account for unidentified items including but not limited to BMPs, traffic control, incidental pavement transitional areas, structural elements, public		
		CONTINGENCY	25%	\$ 4,425.00	outreach, and other unanticipated conditions.		
			SUBTOTAL	\$ 22,125.00	-		
	PRELIMINAR	YENGINEFRING	10%	\$ 2,212 50			
	CONSTRUCTIO	NENGINEERING	10%	\$ 2,212.50			
					Indirect costs are not directly associated with the construction of a project but		
INDIR	ECT COST (IDC) - (CONSTRUCTION	10.49%	\$ 2,320.91	incurred during the construction process. IDC percentage is subject to change.		
		-	SUBTOTAL	\$ 6,745.91			

Estimated Total Project Cost \$ 28,870.91

Conrad									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement Site	18.0								
Structure	17.3	1							
Water	26.0	1		N	io improvements				
Wastewater	24.0								
Amenities Overall Health Index Score=	2.7								
overall mean mack secre-	50.0								
			Improvements	Cost Estimate					
Itom Description	Unit	Estimated	Proposed Total	Estimated Improvement	Commonte				
nem beschption	onic	(2018)	Quantity	(2018)	conments				
	1	1.	DEMOLITI	ON ITEMS	1				
Overall Site Clearing	Acre	\$ 3,300.00		\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 12.00 \$ 10.00		s -					
Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$ -					
Building/Structure Removal	Square Foot	\$ 50.00		\$ -					
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -					
Irrigation System Removal Well Removal/Abandonment	Each	\$ 2,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		ş -					
		Dem	olition Items Subtotal	\$ -					
			IMPROVEN	IENT ITEMS					
Chin Sealing	Square Foct	\$ 0.40		s					
Mill & Fill	Square Foot	\$ 1.70		\$ -					
Bituminous Pavement	Ton	\$ 120.00		\$ -					
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -					
Concrete Curb & Gutter	Linear Foot	\$ 30.00		ş -					
Striping	Linear Foot	\$ 1,500.00 \$ 2.50		- د -					
Signage	Each	\$ 750.00		\$ -					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -					
SITE IMPROVEMENTS	Lines! Fee:	¢ 44.67		c					
Concrete Sidewalk - 4 Inch General Landscaning - Turf/Seed/Hardscane	Lineal Foot	\$ 41.67		\$ -					
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks Picnic Table Shelters Replacement/New	Eump Sum Each	\$ 30,000.00		s -					
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -					
Bench Replacement/New	Each	\$ 850.00		\$ -					
Site Lighting Replacement	Each	\$ 5,000.00		\$ -					
Site Signage Replacement/New Pet Area Replacement/New	Each	\$ 5,000,00		s -					
Flag Pole	Each	\$ 5,000.00		Ŧ					
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		s -					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -					
Restroom Stalls Replacement	Each	\$ 800.00		- ۶ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/Toilet Replacement	Each	\$ 600.00		\$ -					
vauited Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -					
WASTEWATER SYSTEM IMPROVEMENTS	1	1			1				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$-					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump station Replacement	Lump Sum	\$ 80,000.00		s -					
Connection to Public Wastewater System	Linear Foot	\$ 10,000.00		- د -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -					
	Luma C. J.	é 45.000.07		~					
rubiic well Replacement Water System Treatment	Lump Sum	\$ 45,000.00		s -					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ -	Includes all costs insurred in accombling and tensorships metasistic to the				
	MOBILIZ	ATION/DEMOB.	18%	s -	site.				
<u>.</u>			20%		Included to account for unidentified items including but not limited to BMPs, traffic				
		CONTINGENCY	25%	s	control, incidental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions				
		- SHI HOLNUT	SUBTOTAL	\$ -	energy and other unantreputed contributes.				
					-				
	PRELIMINAR	Y ENGINEERING	10%	\$ -					
	CONSTRUCTION	N ENGINEERING	10%	÷ -					
					Indirect costs are not directly associated with the construction of a project but are				
INDIREC	r cost (IDC) - C	CONSTRUCTION	10.49%	s -	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	ə -	-				
	Estin	nated Tota	l Proiect Cost	\$-					

Estimated Total Project Cost \$

Culbertson										
			Health Sco	oring Index						
Element	Score	Create and shine	ant matrice		Comments					
Site	5.3	Remove and rep	olace non-compliant A	DA sidewalk, Replace curb and s	gutter					
Structure	12.3	Update interior	features and plumbing	g fixtures						
Water	26.0									
Wastewater	24.0									
Overall Health Index Sco	4.0 re= 87.7									
			Improvements	s Cost Estimate						
		Estimated	Proposed Total	Estimated Improvement						
Item Description	Unit	Unit Price (2018)	Quantity	Cost (2018)	Comments					
		(2010)	DEMOLIT	ON ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00		\$ -						
Asphalt Removal	Square Yard	\$ 12.00		\$ -						
Concrete Curb & Gutter Removal Concrete Sidewalk Removal	Linear Foot	\$ 10.00	400	\$ 4,000.00	Estimated removal area limited to RA site only Estimated removal area limited to RA site only assume all walks are 5' wide					
Building/Structure Removal	Square Foot	\$ 50.00	300	\$ -	estimated removal area innited to no site only, assume an wans are si wate.					
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$-						
Irrigation System Removal	Each	\$ 2,000.00		\$ -						
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -						
Septic System Removal/Abandonment	Each	\$ 5,000.00 Dem	olition Items Subtotal	\$ 4 600 00						
		bein	ontion recino oubtotal	\$ 4,000.00						
			IMPROVEN	1ENT ITEMS						
PARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40	132,000	\$ 52,800.00	Parking and ramp and scale site					
Mill & Fill Rituminous Rayomont	Square Foot	\$ 1.70		5 - c						
Crushed Aggregate Base	Cubic Yard	\$ 60.00								
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -						
ADA Ramps	Each	\$ 1,500.00	3	\$ 4,500.00	Replace with ADA compliant					
Striping	Linear Foot	\$ 2.50	2,450	\$ 6,125.00	Parking and ramp					
Signage	Each	\$ 750.00	2	\$ 1,500.00	Add directional signage					
storniwater cuivert - 12 inch	Linear Foot	ə 60.00		\$ ·						
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	60	\$ 2,500.00	Assumes all sidewalk is 5' wide					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -						
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement Site Utility - Upgrade Power/phone/cable	Lumn Sum	\$ 20,000,00		· ·						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		ş -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$-						
Picnic Table Replacement/New	Each	\$ 2,500.00	4	\$ 10,000.00	Replace with ADA compliant					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -						
Site Lighting Replacement	Each	\$ 5,000,00	2	\$ 1,700.00	Replace with ADA compliant					
Site Signage Replacement/New	Each	\$ 750.00	4	\$ 3.000.00	Additional signage					
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -						
Flag Pole	Each	\$ 5,000.00								
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	1,300	\$ 13,000.00	Update interior of men's and women's					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -						
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	1,300	\$ 65,000.00	Replace fixtures and plumbing					
Building/Structure Minor - Paint (Exterior)	Square Foot	\$ 20.00		· ·						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00	3	\$ 2,400.00	Update interior of men's and women's for ADA compliance					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00	2	\$ 1,600.00	Remove and replace with ADA compliant					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000,00	o	э 3,600.00 S -	opuate men sidru women sitor ADA compliance					
and a second a map which the try the w										
WASTEWATER SYSTEM IMPROVEMENTS					·					
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		5 - c						
Pump Station Replacement	Lumn Sum	\$ 80,000,00								
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$-						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
	1	1								
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -						
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$-						
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -						
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -						
<u> </u>		IMPROVEM	EN I ITEMS SUBTOTAL	\$ 172,325.00	Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	\$ 31,018.50	site.					
					Included to account for unidentified items including but not limited to BMPs, traffic control, incidental payement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 50,835.88	outreach, and other unanticipated conditions.					
	-	-	SUBTOTAL	\$ 254,179.38						
	005.000	V ENCINCER -		¢						
	CONSTRUCTION	N ENGINEERING	10%	25,417.94 \$ 25,417.94						
			10/0							
		ONSTRUCTION	10.49%	\$ 26.662.42	Indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change					
INDIR			SUBTOTAL	\$ 77,499.29						

Estimated Total Project Cost \$ 331,678.67

Custer (East)										
			Health Sco	oring Index						
Element	Score			-	Comments					
Pavement	9.0	Remove island	& repave							
Site	4.0	Remove and re	nove and replace non-compliant ADA sidewalk and picnic shelters							
Structure	12.7	Update facility	Jate facility interior reatures and plumbing fixtures							
Water	6.3	Replace waster	water system, upgrade	to dose system						
Amenities	4.0									
Overall Health Index Score	= 52.7									
			Improvements	Cost Estimate						
		Estimated	Proposed Total	Estimated Improvement						
Item Description	Unit	Unit Price	Quantity	Cost	Comments					
	1	(2018)	DEMOLIT	(2018)						
Overall Site Clearing	Acre	\$ 3,300.00	Demoen	Ś -						
Asphalt Removal	Square Yard	\$ 12.00	500	\$ 6,000.00	Remove parking island					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	600	\$ 6,000.00	Estimated removal area parking island and sidewalk					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,500	\$ 3,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.					
Building/Structure Removal	Square Foot	\$ 50.00		\$-						
Picnic Table and Shelter Removal	Each	\$ 5,000.00	2	\$ 10,000.00	Remove and replace with ADA compliant					
Irrigation System Removal	Each	\$ 2,000.00		ş -						
Well Removal/Abandonment	Each	\$ 3,000.00		\$ ·						
Septic System Removal/Abandonment	Each	\$ 5,000.00 Den	nolition Items Subtotal	\$ 3E 000 00						
		Den	iontion items subtotai	\$ 25,000.00						
			IMPROVEN	AENT ITEMS						
PARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40		\$ -						
Mill & Fill	Square Foot	\$ 1.70		\$ -						
Bituminous Pavement	Ton	\$ 120.00	125	\$ 15,000.00	Assumes replacement of removed parking island, approx. 5,000 sf					
Crushed Aggregate Base	Cubic Yard	\$ 60.00	278	\$ 16,666.67	Based on 18" section under asphalt area					
Concrete Curb & Gutter	Linear Foot	\$ 30.00	600	\$ 18,000.00	Replace with sidewalk and damaged areas					
ADA Ramps	Each	\$ 1,500.00	3	\$ 4,500.00	Update with ADA compliant					
Striping	Linear Foot	\$ 2.50		\$ -						
Signage Stormustor Culvert 13 inch	Each	\$ 750.00	4	\$ 3,000.00	Additional directional signage					
Stormwater Culvert - 12 IIICI	Linear Foot	у 60.00	+	- د						
SITE IMPROVEMENTS	1	I	1		1					
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	300	\$ 12,500,00	Assumes all sidewalk is 5' wide					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -						
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$-						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$-						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter					
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -						
Waste Receptacie Replacement/New	Each	\$ 300.00	4	\$	Poplace with ADA compliant					
Site Lighting Renlacement	Each	\$ 5,000,00	4	\$ 3,400.00	Replace with ADA compliant					
Site Signage Replacement/New	Each	\$ 750.00	4	\$ 3,000,00	Additional signage					
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -						
Flag Pole	Each	\$ 5,000.00	1							
BUILDING/STRUCTURAL IMPROVEMENTS		r			I					
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	1,200	\$ 12,000.00	Update interior of men's and women's					
Puilding/Structure Minor - Electrical	Square Foot	> 50.00		р -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	1,200	s 60.000.00	Replace fixtures and plumbing					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5,00	1,200	\$ -	Lookunen uuren en gund braugen.					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00	5	\$ 4,000.00	Update interior of men's and women's for ADA compliance					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00	2	\$ 1,600.00	Remove and replace with ADA compliant					
Sink/Toilet Replacement	Each	\$ 600.00	10	\$ 6,000.00	Update men's and women's for ADA compliance					
vaulteu i Ollet Structure Replacement/New	Each	ə 50,000.00		÷ -						
WASTEWATER SYSTEM IMPROVEMENTS	-	I	1		1					
Conventional Gravity System Replacement	Lump Sum	\$ 15.000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30.000.00	1	\$ 30.000 00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	-	\$ -						
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -						
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00	1	\$ -						
	1		1							
WATER SYSTEM IMPROVEMENTS	Lume Cort	¢ 45.000.00	1	c						
r oone well Replacement	Lump Sum	\$ 20,000,00	1	÷	System undating/improvements					
Connection to Public Water System	Lumo Sum	\$ 10,000,00	1	\$ 20,000.00	system spawing/improvements					
Connection to Public Water System - Piping	Linear Font	\$ 65.00		\$ -						
Connection to Public Water System - Valves. Bends etc	Each	\$ 1.000.00		\$ -						
		IMPROVEN	IENT ITEMS SUBTOTAL	\$ 294,666.67						
H				20.,000.07	Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB	. 18%	\$ 53,040.00	site.					
					control, incidental pavement transitional areas. structural elements. public					
		CONTINGENCY	25%	\$ 86,926.67	outreach, and other unanticipated conditions.					
		-	SUBTOTAL	\$ 434,633.33						
	PRELIMINAR	Y ENGINEERING	i 10%	\$ 43,463.33						
	CONSTRUCTIO	N ENGINEERING	i 10%	\$ 43,463.33						
					Indirect costs are not directly associated with the construction of a project but are					
INDIRE	CT COST (IDC) - O	CONSTRUCTION	10.49%	\$ 45,593.04	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 132,519.70						

Estimated Total Project Cost \$ 567,153.04

Custer (West)									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement	9.0								
Site	4.0	Remove and rep	nove and replace non-compliant ADA sidewalk, install lighting						
Water	12.7	Minor system in	or system improvements						
Wastewater	6.3	Replace wastev	vater system, upgrade	to dose system					
Amenities	4.0								
Overall Health Index Score=	54.0								
				C					
		Estimated	Improvements	Estimated Improvement					
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments				
		(2018)	Quantity	(2018)					
Overall Site Clearing	Acre	\$ 3,300,00	DEMOLITI	Ś .					
Asphalt Removal	Square Yard	\$ 12.00		\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	400	\$ 800.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -					
Picnic Table and Snelter Removal	Each	\$ 5,000.00	2	\$ 10,000.00	Remove and replace with ADA compliant				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -					
		Dem	olition Items Subtotal	\$ 10,800.00					
			IMPROVEN	IENT ITEMS					
Chin Sealing	Square Foct	\$ 0.40		s					
Mill & Fill	Square Foot	\$ 1.70		s -					
Bituminous Pavement	Ton	\$ 120.00		\$ -					
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$-					
Concrete Curb & Gutter	Linear Foot	\$ 30.00		s -					
ADA Ramps Striping	Each	\$ 1,500.00	3	\$ 4,500.00	Remove and replace with ADA compliant				
Signage	Linear Foot	> 2.50 \$ 750.00	6	> - \$ 4.500.00	Parking and ramps				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00	U	\$ -	r orwing one relities				
SITE IMPROVEMENTS									
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	100	\$ 4,166.67	Assumes all sidewalk is 5' wide				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -					
General Landscaping - Tree Replacement General Landscaping - Irrigation System Replacement	Each Souare Foot	\$ 400.00		\$ -					
Site Fencing Replacement	Linear Foot	\$ 6.00		s -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$-					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter				
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -					
Waste Receptacle Replacement/New Bench Replacement/New	Each	\$ 300.00	4	\$ 3,400,00	Remove and replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00	8	\$ 40,000.00	Additional lighting on ramps				
Site Signage Replacement/New	Each	\$ 750.00	5	\$ 3,750.00	Additional directional signage				
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -					
Flag Pole	Each	\$ 5,000.00	1						
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	1,080	\$ 10,800.00	Update interior of men's and women's				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$-					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	1,080	\$ 54,000.00	Replace fixtures and plumbing				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -					
Building/Structure Minor - Kterior Siding	Square Foot	\$ 15.00		s -					
Restroom Stalls Replacement	Each	\$ 800.00	5	\$ 4,000.00	Update interior of men's and women's for ADA compliance				
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00	2	\$ 1,600.00	Remove and replace with ADA compliant				
Sink/Toilet Replacement	Each	\$ 600.00	10	\$ 6,000.00	Update men's and women's for ADA compliance				
vaulted Tollet Structure Replacement/New	Each	ə 50,000.00		۰ ۰					
WASTEWATER SYSTEM IMPROVEMENTS	1	1							
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		ş -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00	1	\$ 30,000.00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		ş -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		s -					
Connection to Public Wastewater System - Piping Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		s -					
		,							
WATER SYSTEM IMPROVEMENTS					n				
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	System updating/improvements				
Connection to Public Water System	Lump Sum	\$ 10,000.00 \$ 65.00		s -					
Connection to Public Water System - Valves. Bends etc.	Each	\$ 1,000.00		\$ -					
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 257,516.67					
•					Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB.	18%	\$ 46,353.00	site. Included to account for unidentified items including but not limited to BMPs. traffic				
					control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 75,967.42	outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 379,837.08					
	PRELIMINAR	Y ENGINEERING	10%	\$ 37,983.71					
	CONSTRUCTION	NENGINEERING	10%	\$ 37,983.71					
					Indirect costs are not directly associated with the construction of a project but are				
INDIREC	T COST (IDC) - C	ONSTRUCTION	10.49%	\$ 39,844.91	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 115,812.33					

Estimated Total Project Cost \$ 495,649.41

Dearborn (North)								
			Health Sco	oring Index				
Element	Score				Comments			
Pavement	18.0	Additional light	ing in parking area ad-	ditional waste recontactor and	walks			
Site	5.0	Additional light	ing in parking area, au	ultional waste receptacies, side	WdlKS			
Water	21.7							
Wastewater	12.5							
Amenities	4.0							
Overall Health Index Score	= 76.2							
			Improvomont	Cost Estimato				
	1	Estimated	Improvements	Estimated Improvement				
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments			
		(2018)	Quantity	(2018)				
Querall Site Clearing	Acro	\$ 2,200,00	DEMOLIT	ON ITEMS				
Asphalt Removal	Square Yard	\$ 12.00		s .				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	750	\$ 1,500.00	Replace 150' sidewalk			
Building/Structure Removal	Square Foot	\$ 50.00		\$-				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -				
Irrigation System Removal	Each	\$ 2,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00		s -				
		Dem	olition Items Subtotal	\$ 1,500.00				
			IMPROVEN	MENT ITEMS				
PARKING AREA IMPROVEMENTS	a				Γ			
Lnip Sealing	Square Foot	> 0.40		> -				
Bituminous Pavement	Syuare Foot	\$ 120.00		s -				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -				
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -				
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with ADA compliant			
Striping	Linear Foot	\$ 2.50		\$ -				
Signage Stormwater Culvert 12 inch	Each	\$ 750.00		s -				
Stormwater Cuivert - 12 IICI	Linear Foot	у 60.00		÷ -				
SITE IMPROVEMENTS	1				1			
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -				
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -				
Site Fencing Replacement	Linear Foot	\$ 20,000,00		\$ •				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -				
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -				
Waste Receptacle Replacement/New	Each	\$ 300.00	3	\$ 900.00	Additional waste receptacles			
Bench Replacement/New	Each	\$ 850.00		\$ -				
Site Lighting Replacement	Each	\$ 5,000.00	4	\$ 20,000.00	Additional parking lighting			
Pet Area Replacement/New	Each	\$ 5.000.00		s -				
Flag Pole	Each	\$ 5,000.00						
BUILDING/STRUCTURAL IMPROVEMENTS	1							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 50.00		s :				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$-				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		ş -				
Building/Structure Minor - Exterior Siding	Square Foot	\$ 200.00		\$ - \$				
Door/Doorway Replacement	Each	\$ 1,000.00						
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Sink/Toilet Replacement	Each	\$ 600.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -				
WACTERNATED EVETERA INADDOLUTE ATTEC	1							
Conventional Gravity System Replacement	Lumo Sum	\$ 15,000,00		s				
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -				
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$-				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		5 - c				
connection to Public Wastewater System - Mannole	LdUII	÷ +,500.00		· ·				
WATER SYSTEM IMPROVEMENTS					1			
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -				
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -				
Connection to Public Water System	Lump Sum	\$ 10,000.00		s -				
Connection to Public Water System - Piping	Linear Foot	> 65.00		۰ - د د				
connection to rubile water system - valves, benus, etc.	LdUII	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 23.900.00				
μ				. 23,330.00	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION/DEMOB.	18%	\$ 4,302.00	site. Included to account for unidentified items including but not limited to PMPs. Hoffic			
					control, incidental pavement transitional areas, structural elements, public			
		CONTINGENCY	25%	\$ 7,050.50	outreach, and other unanticipated conditions.			
			SUBTOTAL	\$ 35,252.50	-			
	PRELIMINAP	YENGINEERING	10%	\$ 3,575.75				
	CONSTRUCTION	NENGINEERING	10%	\$ 3,525.25				
					Indirect parts are not directly accorded with the second sector of a sector to the			
INDIREC	T COST (IDC) - C	ONSTRUCTION	10.49%	\$ 3,697.99	incurred during the construction process. IDC percentage is subject to change.			
			SUBTOTAL	\$ 10,748.49	-			

Estimated Total Project Cost \$ 46,000.99

Dearborn (South)									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement	18.0	Additional light	ing in parking area, add	ditional waste recentacles, side	walks				
Structure	15.0								
Water	21.7								
Wastewater	13.5								
Amenities	4.0								
Overall Health Index Score	teatur moex score= //.2								
			Improvements	Cost Estimate					
	1	Estimated	Bronorod Total	Estimated Improvement					
Item Description	Unit	Unit Price	Quantity	Cost	Comments				
	1	(2018)	DEMOLIT	(2018)					
Overall Site Clearing	Acre	\$ 3,300.00	DEMOLIT	\$ -					
Asphalt Removal	Square Yard	\$ 12.00		\$-					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	750	\$ 1,500.00	Replace 150' sidewalk				
Bunding/Structure Removal	Fach	\$ 5,000,00		\$.					
Irrigation System Removal	Each	\$ 2,000.00		\$ -					
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -					
		Dem	olition Items Subtotal	\$ 1,500.00					
			INADDOVICA	AFAIT ITEAC					
PARKING AREA IMPROVEMENTS			IMPROVEN	NEWI IIEMS					
Chip Sealing	Square Font	\$ 0.40		s -					
Mill & Fill	Square Foot	\$ 1.70		\$ -					
Bituminous Pavement	Ton	\$ 120.00		\$ -					
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -					
Concrete Curb & Gutter	Linear Foot	\$ 30.00		s -	Destass with ADA semplicat				
ADA Ramps Strining	Lach	\$ 1,500.00	1	> 1,500.00	neplace with ADA compliant				
Signage	Each	\$ 750.00		\$ -					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -					
SITE IMPROVEMENTS									
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	200	\$ 8,333.33	Replace with ADA compliant sidewalk				
General Landscaping - Turr/Seed/Hardscape	Each	\$ 400.00		\$ •					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$-					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -					
Picnic Table Replacement/New	Each	\$ 2,500.00	2	\$ - \$ -	Additional waste recentacler				
Bench Replacement/New	Each	\$ 850.00	5	\$	Autorian Water receptores				
Site Lighting Replacement	Each	\$ 5,000.00	4	\$ 20,000.00	Additional parking lighting				
Site Signage Replacement/New	Each	\$ 750.00		\$-					
Pet Area Replacement/New	Each	\$ 5,000.00		\$-					
Flag Pole	Each	\$ 5,000.00							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$-					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 20.00		· ·					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -					
Restroom Stalls Replacement	Each	\$ 800.00		\$ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/ Lollet Replacement	Each	\$ 50,000,000		\$ - \$					
vonco rolecorocore repidcement/new	LdUII	÷ 50,000.00		· ·					
WASTEWATER SYSTEM IMPROVEMENTS	1	i			1				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		ş -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ - \$					
Connection to Public Wastewater System	Linear Foot	\$ 50.00		- s					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -					
· · · · · · · · · · · · · · · · · · ·	1								
WATER SYSTEM IMPROVEMENTS									
Public Well Replacement	Lump Sum	\$ 45,000.00		ş -					
Connection to Public Water System	Lump Sum	\$ 10,000.00		· ·					
Connection to Public Water System	Linear Foot	\$ 65.00		s -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
	· · · · · · · · · · · · · · · · · · ·	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 32,233.33					
	1.000			c	Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB.	18%	ə 5,802.00	site. Included to account for unidentified items including but not limited to BMPs, traffic				
					control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 9,508.83	outreach, and other unanticipated conditions.				
			SUBTOTAL	÷ 47,544.17	-				
	PRELIMINAR	Y ENGINEERING	10%	\$ 4,754.42					
	CONSTRUCTION	N ENGINEERING	10%	\$ 4,754.42					
					Indirect costs are not directly associated with the construction of a project but are				
INDIRE	T COST (IDC) - C	CONSTRUCTION	10.49%	\$ 4,987.38	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 14,496.22					

Estimated Total Project Cost \$ 62,040.38

Dena Mora (East)									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement	10.3	Mill and fill par	king and ramps						
Site	4.3	Replace sidewa	lks and signs, add curb	and gutter and culvert on east	end				
Structure	14.3	opuate interior	Jace interior reprints						
Wastewater	12.0	Rehabilitate Lev	habilitate Level II system						
Amenities	4.0								
Overall Health Index Score	= 63.3								
			Improvements	Cost Estimate					
New Description	11-14	Estimated	Proposed Total	Estimated Improvement	Comments				
nem Description	Onic	(2018)	Quantity	(2018)	comments				
			DEMOLIT	ON ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00		\$-					
Asphalt Removal	Square Yard	\$ 12.00		\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	500	\$ 5,000.00	Estimated removal area limited to sidewalk replacement				
Building/Structure Removal	Square Foot	\$ 50.00	3,400	\$ 8,800.00	estimated removal area innited to KA site only, assume an walks are 5 wide.				
Picnic Table and Shelter Removal	Each	\$ 5.000.00		s -					
Irrigation System Removal	Each	\$ 2,000.00		\$ -					
Well Removal/Abandonment	Each	\$ 3,000.00		ş -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$-					
		Dem	olition Items Subtotal	\$ 11,800.00					
			IMPROVEN	IENT ITEMS					
Chin Sealing	Square Fort	\$ 0.40		\$					
Mill & Fill	Square Foot	\$ 1.70	100.000	\$ 170.000.00	Parking and ramps				
Bituminous Pavement	Ton	\$ 120.00	,000	\$ -	L. M				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -					
Concrete Curb & Gutter	Linear Foot	\$ 30.00	400	\$ 12,000.00	Add on east ramp				
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50	2,300	\$ 5,750.00	Parking and ramps				
Signage	Each	\$ 750.00	16	\$ 12,000.00	Replace damaged and add directional signage				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00	200	\$ 12,000.00	Add on east ramp to mitigate ponding issues				
SITE IMPROVEMENTS									
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	680	\$ 28.333.33	Assumes all sidewalk is 5' wide				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -					
General Landscaping - Tree Replacement	Each	\$ 400.00		\$-					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Snetters Replacement/New	Each	\$ 2,500,00		\$.					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -					
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00		\$-					
Site Signage Replacement/New	Each	\$ 750.00	2	\$ 1,500.00	ADA signage				
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -					
Flag Pole	Each	\$ 5,000.00							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -	1				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	250	\$ 12,500.00	Update interior lighting				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		> -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		ب - د					
Restroom Stalls Replacement	Each	\$ 800.00		s -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/Toilet Replacement	Each	\$ 600.00		\$ -					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -					
Conventional Gravity System Replacement	Lumo Sum	\$ 15,000,00		s					
Pressure Dose System Replacement	Lumn Sum	\$ 30,000,00		<u> </u>					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	1	\$ 250,000.00	Rehabilitate infiltration problems				
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		ş -					
WATED SYSTEM IMPROVEMENTS	1	1							
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 520,583.33	Includer all costs incurred in according and tenano if the state				
	MOBIL 17	ATION/DEMOR	18%	\$ 93.705.00	site.				
	WODILL		1076	- 53,705.00	Included to account for unidentified items including but not limited to BMPs, traffic				
		CONTINCENCY	35.47	ć +F3 F73 00	control, incidental pavement transitional areas, structural elements, public				
		CONTINUENCY	25% SUBTOTAL	x 153,572.08 \$ 767.860.47	ourreach, and other unanticipated conditions.				
			50510 IAL	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-				
	PRELIMINAR	Y ENGINEERING	10%	\$ 76,786.04					
	CONSTRUCTION	N ENGINEERING	10%	\$ 76,786.04					
					Indirect costs are not directly associated with the construction of a project but are				
INDIREC	T COST (IDC) - C	CONSTRUCTION	10.49%	\$ 80,548.56	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 234,120.64					

Estimated Total Project Cost \$ 1,001,981.06

Dena Mora (West)									
			Health Sco	oring Index	1				
Element	Score					Comments			
Pavement Site	10.3	Replace sidewa	king and ramps lks and signs, add curb	and gutter					
Structure	4.5	Update interior	lighting	anuguttei					
Water	19.7								
Wastewater	13.0	Rehabilitate Lev	vel II system						
Amenities	4.0								
Overall Health Index Score	= 65.7								
			Improvement	Cost Estin	nato				
	1	Estimated	improvementa	Estimated In	mprovement				
Item Description	Unit	Unit Price	Proposed Total Quantity	Co	ost	Comments			
		(2018)	Quanticy	(20	18)				
Overall Site Clearing	Acre	\$ 3,300.00	DEMOLIT	S					
Asphalt Removal	Square Yard	\$ 12.00		\$					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	500	\$	5,000.00	Estimated removal area limited to sidewalk replacement			
Concrete Sidewalk Removal	Square Foot	\$ 2.00	2,000	\$	4,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.			
Building/Structure Removal	Square Foot	\$ 50.00		\$	-				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		ş	÷				
Irrigation System Removal	Each	\$ 2,000.00		ş					
Sentic System Removal/Abandonment	Each	\$ 5,000.00		ş					
		Dem	olition Items Subtotal	\$	9,000.00				
			IMPROVEN	IENT ITEMS					
PARKING AREA IMPROVEMENTS									
Chip Sealing	Square Foot	\$ 0.40	400	\$	-	B. P			
Mill & Fill Bituminous Pavement	Square Foot	\$ 1.70	109,000	\$	185,300.00	Parking and ramps			
Crushed Aggregate Base	Cubic Yard	\$ 60.00		ś					
Concrete Curb & Gutter	Linear Foot	\$ 30.00	500	\$	15,000.00	Add on east ramp			
ADA Ramps	Each	\$ 1,500.00	1	\$	1,500.00	Replace with ADA compliant			
Striping	Linear Foot	\$ 2.50	2,800	\$	7,000.00	Parking and ramps			
Signage	Each	\$ 750.00	16	\$	12,000.00	Replace damaged and add directional signage			
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$					
Concrete Sidewalk - 4 inch	Lineal Foot	S 41.67	400	s	16.666.67	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$	-				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$	-				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$	-				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$					
Site Utility - Replace Propane Storage Tanks	Europ Sum	\$ 50,000.00		\$ ¢					
Picnic Table Senters Replacement/New	Each	\$ 2,500.00		s s					
Waste Receptacle Replacement/New	Each	\$ 300.00		ş	-				
Bench Replacement/New	Each	\$ 850.00	3	\$	2,550.00	Replace with ADA compliant			
Site Lighting Replacement	Each	\$ 5,000.00		\$	-				
Site Signage Replacement/New	Each	\$ 750.00		\$	-				
Pet Area Replacement/New	Each	\$ 5,000.00		ş	÷				
Flag Pole	Each	\$ 5,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$	-				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		Ş					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	250	\$	12,500.00	Update interior lighting			
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$					
Building/Structure Minor - Plumbing Building/Structure Minor - Baint (axterior)	Square Foot	\$ 50.00		\$ ¢	-				
Building/Structure Minor - Roofine	Square Foot	\$ 20.00		\$					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$					
Restroom Stalls Replacement	Each	\$ 800.00		\$	-				
Door/Doorway Replacement	Each	\$ 1,000.00		\$	-				
Drinking Fountain Replacement	Each	\$ 800.00		\$					
Sink/ I oliet Replacement	Each	\$ 600.00		\$ ¢	-				
vaureu i ollet structure replacement/New	Each	ου,000.00 γ		ş	-				
WASTEWATER SYSTEM IMPROVEMENTS		i				L			
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$	-				
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$	-				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	1	\$	250,000.00	Rehabilitate infiltration problems			
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ ¢	-				
Connection to Public Wastewater System - Piping	Each	\$ 4.500.00		ŝ					
		,							
WATER SYSTEM IMPROVEMENTS						n			
Public Well Replacement	Lump Sum	\$ 45,000.00		\$					
Water System Treatment	Lump Sum	\$ 20,000.00		\$					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$	-				
Connection to Public Water System - Values Rends ats	Each Fach	\$ 1,000,00		ś					
		IMPROVEM	ENT ITEMS SUBTOTAL	s	511,516.67				
H					. ,/	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION/DEMOB.	18%	\$	92,073.00	site. Included to account for unidentified items including but not limited to RMPs_traffic			
						control, incidental pavement transitional areas, structural elements, public			
		CONTINGENCY	25%	\$	150,897.42	outreach, and other unanticipated conditions.			
			SUBTOTAL	\$	754,487.08				
	PRELIMINAR		10%	s	75,448.71				
	CONSTRUCTIO	N ENGINEERING	10%	\$	75,448.71				
						te diversion and the structure of the st			
INDIDE		CONSTRUCTION	10.49%	s	79,145.70	indirect costs are not directly associated with the construction of a project but are incurred during the construction process, IDC nercentage is subject to change			
MDIREC			SUBTOTAL	\$	230,043.11	Contraction of the second seco			

Estimated Total Project Cost \$ 984,530.20

Divide (North)							
		1	Health Sco	oring Index			
Element	Score 16.3				Comments		
Site	8.0	1					
Structure	19.0	1					
Water Wastewater	24.3	-			No Improvement		
Amenities	4.0	1					
Overall Health Index Sco	re= 93.2						
			Improvements	Cost Estimate			
	1	Estimated	Proposed Total	Estimated Improvement			
Item Description	Unit	Unit Price	Quantity	Cost (2018)	Comments		
		(2018)	DEMOLITI	ON ITEMS			
Overall Site Clearing	Acre	\$ 3,300.00		\$ -			
Asphalt Removal Concrete Curb & Gutter Removal	Square Yard	\$ 12.00 \$ 10.00		\$ - \$			
Concrete Sidewalk Removal	Square Foot	\$ 2.00		ş -			
Building/Structure Removal	Square Foot	\$ 50.00		ş -			
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ - \$			
Well Removal/Abandonment	Each	\$ 3,000.00		ş -			
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -			
		Dem	olition Items Subtotal	\$-			
			IMPROVEN	IENT ITEMS			
PARKING AREA IMPROVEMENTS					-		
Chip Sealing	Square Foot	\$ 0.40		\$ -			
NIII & FIII Bituminous Pavement	Square Foot Ton	\$ 1.70 \$ 120.00		s - s -			
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -			
Concrete Curb & Gutter	Linear Foot	\$ 30.00		s -			
ADA Ramps Striping	Each Linear Foot	\$ 1,500.00 \$ 2.50		s -			
Signage	Each	\$ 750.00		\$ -			
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		ş -			
SITE IMPROVEMENTS	1						
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -			
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -			
Seneral Landscaping - irrigation System Replacement	Linear Foot	\$ 1.00		s -			
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -			
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		ş -			
Picnic Table Shelters Replacement/New Picnic Table Replacement/New	Each	\$ 30,000.00		s -			
Waste Receptacie Replacement/New	Each	\$ 300.00		\$ -			
Bench Replacement/New	Each	\$ 850.00		\$ -			
Site Lighting Replacement Site Signage Replacement/New	Each	\$ 5,000.00		\$ - \$ -			
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -			
Flag Pole	Each	\$ 5,000.00					
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -			
Building/Structure Minor - Electrical Building/Structure Minor - HVAC	Square Foot	\$ 50.00		\$ - \$			
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -			
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$-			
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -			
Restroom Stalls Replacement	Each	\$ 15.00		\$ -			
Door/Doorway Replacement	Each	\$ 1,000.00		\$-			
Drinking Fountain Replacement	Each	\$ 800.00		\$ -			
Vaulted Toilet Structure Replacement/New	Each	\$ 50.000.00		s -			
		,					
WASTEWATER SYSTEM IMPROVEMENTS		¢ 15 000					
Conventional Gravity System Replacement Pressure Dose System Replacement	Lump Sum	\$ 15,000.00 \$ 30.000.00		s -			
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$			
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -			
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		s -			
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -			
WATER SYSTEM IMPROVEMENTS Public Well Replacement	Lumn Sum	\$ 45,000,00		s -			
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -			
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -			
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		s -			
connection to rubile water system - valves, bends, etc.	caun	IMPROVEM	ENT ITEMS SUBTOTAL	- 			
				¢	Includes all costs incurred in assembling and transporting materials to the work		
	MOBILIZ	ATION/DEMOB.	18%	ə -	Included to account for unidentified items including but not limited to BMPs, traffic		
		CONTINGENCY	254	¢	control, incidental pavement transitional areas, structural elements, public		
		CONTINUENUT	SUBTOTAL	\$ -	ourcost, and other anomicipated conditions.		
					-		
	PRELIMINAR	Y ENGINEERING	10%	\$ - \$			
	CONSTRUCTIO	- LINGINEERING	10%				
INDIR	ECT COST (IDC) - (CONSTRUCTION	10.49%	\$ -	Indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change.		
	()		SUBTOTAL	\$-			
	Cat.	aatad Tata	Drojost Cast	ć			
	ESTIN	nated 10ta	n Project Cost	- ç			

Divide (South)									
			Health Sco	oring Index					
Element	Score				Comments				
Site	18.7	1							
Structure	19.0								
Water	24.3	4		,	No Improvement				
Amenities	4.0	1							
Overall Health Index Score	95.5	1							
			Improvement	Cost Estimato					
	1	Estimated	Improvements	Estimated Improvement					
Item Description	Unit	Unit Price	Proposed Total Quantity	Cost	Comments				
		(2018)	DEMOLITI	(2018) ON ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00		\$ -					
Asphalt Removal	Square Yard	\$ 12.00)	\$ -					
Concrete Curb & Gutter Removal Concrete Sidewalk Removal	Linear Foot	\$ 10.00		\$ - \$ -					
Building/Structure Removal	Square Foot	\$ 50.00)	ş -					
Picnic Table and Shelter Removal	Each	\$ 5,000.00)	\$ -					
Irrigation System Removal	Each	\$ 2,000.00)	\$ -					
Well Removal/Abandonment Septic System Removal/Abandonment	Each	\$ 3,000.00		s -					
Septe System Renoval/Administra	Luch	Der	nolition Items Subtotal	\$ -					
			IMPROVEN	IENT ITEMS					
Chip Sealing	Square Foot	\$ 0.40	1	s -					
Mill & Fill	Square Foot	\$ 1.70		\$					
Bituminous Pavement	Ton	\$ 120.00)	\$ -					
Crushed Aggregate Base	Cubic Yard	\$ 60.00	1	s -					
Loncrete Curb & Gutter ADA Ramps	Linear Foot Each	\$ 30.00		s -					
Striping	Linear Foot	\$ 2.50		\$ -					
Signage	Each	\$ 750.00)	\$-					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -					
SITE IMPROVEMENTS	1	1	1						
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	1	\$ -					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -					
General Landscaping - Tree Replacement	Each	\$ 400.00)	\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		s -					
Site Litility - Ungrade Power/phone/cable	Lump Sum	\$ 20,000,00		s -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00	0	\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00)	\$ -					
Picnic Table Replacement/New	Each	\$ 2,500.00)	\$ -					
Waste Receptacie Replacement/New	Each	\$ 300.00		\$ -					
Site Lighting Replacement	Each	\$ 5,000.00)	\$ -					
Site Signage Replacement/New	Each	\$ 750.00)	\$ -					
Pet Area Replacement/New	Each	\$ 5,000.00)	\$ -					
Flag Pole	Each	\$ 5,000.00)						
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.00)	\$-					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00)	\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	,	s -					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00)	\$ -					
Building/Structure Minor - Exterior Siding Restroom Stalls Replacement	Square Foot	\$ 15.00		s -					
Door/Doorway Replacement	Each	\$ 1.000 00		s -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/Toilet Replacement	Each	\$ 600.00)	\$ -					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00	2	ş -					
WASTEWATER SYSTEM IMPROVEMENTS	1	1	1		1				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00)	\$ -					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	1	s -					
rump station Replacement Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		۰ - ۲					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00	1	\$ -					
Public Well Replacement	Lumn Sum	\$ 45,000.00		s -					
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -					
Connection to Public Water System	Lump Sum	\$ 10,000.00)	\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00	AENT ITEMS CURTOT	\$ - ¢					
		INIPROVEN	ILINI TIENIS SUBTUTAL	ş -	Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB	. 18%	\$ -	site. Included to account for unidentified items including but not limited to PMPs, traffic				
					control, incidental pavement transitional areas, structural elements, public				
		CONTINGENC	r 25%	\$ -	outreach, and other unanticipated conditions.				
			SUBTOTAL	ş -	-				
	PRELIMINAR	Y ENGINEERING	5 10%	\$ -					
	CONSTRUCTIO	N ENGINEERING	5 10%	\$ -					
					Indirect costs are not directly associated with the construction of a project but are				
INDIREC	T COST (IDC) - 0	CONSTRUCTION	10.49%	\$ -	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ -	_				
	Ectim	nated Tet	al Project Cost	¢					
	ESUIT	nated 10t		- v					

Estimated Total Project Cost	\$	104,641.02
------------------------------	----	------------

Element	Score					Comments				
Pavement	1.0	Crack and Chi	Seal, restripe							
Site	6.0	Additional ext	erior lighting, replace sig	igna	age, ADA compliant picnic are	a and sidewalk				
Structure		Repaint		_	· · ·					
Water System	0.0									
Vaulted Toilets	5.0									
Overall Health Index Score=	12.0									
			Improvements	s C	Cost Estimate					
		Estimated	Proposed Total	E	stimated Improvement Cost					
Item Description	Unit	Unit Price	Quantity		(2018)	Comments				
		(2018)	DEMOLIT		NITEMS					
Overall Site Clearing	Acre	\$ 3,300.0	DEMOLITI	Ś	-					
Asphalt Removal	Square Yard	\$ 12.0)	Ś						
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.0)	Ś						
Concrete Sidewalk Removal	Square Foot	\$ 2.00	500	Ś	1.000.00	Replace non-compliant ADA sidewalk				
Building/Structure Removal	Square Foot	\$ 50.0)	Ś	_,					
Picnic Table and Shelter Removal	Each	\$ 5,000.0)	Ś	-					
Irrigation System Removal	Each	\$ 2,000.0)	Ś						
Well Removal/Abandonment	Each	\$ 3.000.0)	Ś	-					
Septic System Removal/Abandonment	Each	\$ 5,000.0)	\$	-					
		De	molition Items Subtotal	1\$	1,000.00					
					,					
IMPROVEMENT ITEMS										
PARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40	40.000	Ś	16.000.00	Parking area and ramps				
Mill & Fill	Square Foot	\$ 1.70)	Ś		· · ·				
Bituminous Pavement	Ton	\$ 120.00)	Ś	-					
Crushed Aggregate Base	Cubic Yard	\$ 60.0)	Ś	-					
Concrete Curb & Gutter	Linear Foot	\$ 30.0)	\$	-					
ADA Ramps	Each	\$ 1.500.0	0 1	Ś	1.500.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50	1,600	Ś	4.000.00	Parking area and ramps				
Signage	Each	\$ 750.0	3	Ś	2.250.00	Directional signage				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.0	-	Ś	_,,					
			1	ť						
SITE IMPROVEMENTS				-						
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.6	7 100	Ś	4.166.67	Assumes all sidewalk is 5' wide				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00)	Ś	-					
General Landscaping - Tree Beplacement	Each	\$ 400.0)	Ś						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00)	Ś	-					
Site Fencing Replacement	Linear Foot	\$ 6.00)	Ś						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20.000.0)	Ś						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.0)	Ś						
Picnic Table Shelters Replacement/New	Each	\$ 30,000,0)	Ś						
Picnic Table Beplacement/New	Each	\$ 2,500.0	2	Ś	5.000.00	Stand alone picnic table - ADA				
Waste Recentacle Replacement/New	Each	\$ 300.0		Ś	-,					
Bench Renlacement/New	Each	\$ 850.0	1	Ś	850.00	ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.0	2	Ś	10.000.00	Parking area				
Site Signage Replacement/New	Each	\$ 750.0	2	Ś	10,000.00					
Pet Area Replacement/New	Each	\$ 5,000.0)	Ś						
Flag Pole	Each	\$ 5,000.0)	Ť						
	Lucii	\$ 3,000.0	,	-						
BUILDING STRUCTURAL IMPROVEMENTS	1			_						
Building/Structure Complete Replacement	Square Foot	\$ 450.0		Ś						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.0	960	Ś	9.600.00					
Building/Structure Minor - Electrical	Square Foot	\$ 50.0)	Ś						
Building/Structure Minor - HVAC	Square Foot	\$ 40.0)	Ś						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.0)	Ś	-					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00)	Ś						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00)	\$						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.0)	\$	-					
Restroom Stalls Replacement	Each	\$ 800.0)	\$	-					
Door/Doorway Replacement	Each	\$ 1,000.0	0	\$	-					
Drinking Fountain Replacement	Each	\$ 800.0)	\$	-					
Sink/Toilet Replacement	Each	\$ 600.0)	\$	-					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.0		\$	-					
				Γ						
WASTEWATER SYSTEM IMPROVEMENTS				_						
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.0		\$	-					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.0)	\$	-					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.0)	\$	-					
Pump Station Replacement	Lump Sum	\$ 80,000.0)	\$	-					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.0)	\$	-					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.0)	\$	-					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.0)	\$						
				L						
WATER SYSTEM IMPROVEMENTS	1		1							
Public Well Replacement	Lump Sum	\$ 45,000.0)	\$	-					
Water System Treatment	Lump Sum	\$ 20,000.0		\$	-					
Connection to Public Water System	Lump Sum	\$ 10,000.0		\$	-					
Connection to Public Water System - Piping	Linear Foot	\$ 65.0)	\$	-					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.0		\$	-					
		IMPROVE	VENT ITEMS SUBTOTAL	L \$	54,366.67					
		ATION /DC			0.700.00	includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOE	1. 18%	6 Ş	5 9,786.00	site. Included to account for unidentified items including but not limited to BMPs, traffic				
						control, incidental pavement transitional areas, structural elements, public				
		CONTINGENC	Y 25%	6\$	16,038.17	outreach, and other unanticipated conditions.				
	-		SUBTOTAL	L\$	80,190.83					
				_						
	PRELIMINAR	Y ENGINEERIN	G 10%	6\$	8,019.08					
(CONSTRUCTION	N ENGINEERIN	G 10%	6\$	8,019.08					
						Indirect costs are not directly accessibled with the construction of a main of a				
INDIDECT	COST (IDC) - (ONSTRUCTION	N 10.49%	6 S	8.412.02	incurred during the construction process, IDC nercentage is subject to change				
INDIRECT			SURTOTAL	, ,	24 450 10	o the terrest present the percentage is subject to thenge.				
			JODICIAL		24,450.15					

Dupuyer PA Health Scoring Index

Emigrant											
				Health Sco	ori	ng Index					
Element	Score						Comments				
Pavement	15.7	-									
Site	5.3	Renla	re roof in	terior features and fix	dure	PS					
Water	12.0	Repla	teplace well, add storage and treatment								
Wastewater	9.2	Rehat	Rehabilitate/replace with dose system								
Amenities	4.0										
Overall Health Index Score	= 59.2										
				Improvement	• •	ost Estimato					
	1	Est	imated	improvementa	30	Estimated Improvement					
Item Description	Unit	Un	it Price	Proposed Total Quantity		Cost	Comments				
		(2	2018)	Quantity		(2018)					
Overall Site Clearing	Acre	5	3 300 00	DEMOLIT	ION S	TITEMS					
Asphalt Removal	Square Yard	ş	12.00		\$						
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00		\$						
Concrete Sidewalk Removal	Square Foot	\$	2.00	1,200	\$	2,400.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.				
Building/Structure Removal	Square Foot	\$	50.00		\$	-					
Picnic Table and Shelter Removal	Each	Ş	5,000.00	2	Ş	10,000.00	Remove and replace with ADA compliant				
Irrigation System Removal	Each	Ş	2,000.00		Ş	-					
Septic System Removal/Abandonment	Each	ŝ	5.000.00		ŝ						
			Dem	olition Items Subtotal	\$	12,400.00					
	IMPROVEMENT ITEMS										
PARKING AREA IMPROVEMENTS		-			-						
Chip Sealing	Square Foot	Ş	0.40		\$						
Rituminous Pavement	Square Foot	Ş	1.70		\$						
Crushed Aggregate Base	Cubic Yard	ş	60.00		\$						
Concrete Curb & Gutter	Linear Foot	\$	30.00		\$	-					
ADA Ramps	Each	\$	1,500.00	1	\$	1,500.00	Remove and replace with ADA compliant				
Striping	Linear Foot	\$	2.50		\$	-					
Signage	Each	\$	750.00		\$	-					
storniwater cuivert - 12 inch	Linear Foot	Ş	60.00		\$	-					
SITE IMPROVEMENTS	1	1			1						
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	300	\$	12,500.00	Assumes all sidewalk is 5' wide				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00		\$	-					
General Landscaping - Tree Replacement	Each	\$	400.00		\$	-					
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00		\$	-					
Site Fencing Replacement	Linear Foot	\$	6.00		ş	-					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 5	0,000.00		ې S						
Picnic Table Shelters Replacement/New	Each	\$ 3	30,000.00	2	\$	60,000.00	Estimates includes picnic table, concrete and shelter				
Picnic Table Replacement/New	Each	\$	2,500.00	2	\$	5,000.00	Stand alone picnic table				
Waste Receptacle Replacement/New	Each	\$	300.00		\$	-					
Bench Replacement/New	Each	\$	850.00	4	\$	3,400.00	Remove and replace with ADA compliant				
Site Lighting Replacement	Each	Ş	5,000.00		Ş						
Det Area Renlacement/New	Each	ş	5.000.00		ş						
Flag Pole	Each	ş	5,000.00	1	\$	5,000.00					
BUILDING/STRUCTURAL IMPROVEMENTS					-						
Building/Structure Complete Replacement	Square Foot	\$	450.00		\$	-					
Building/Structure Minor - Floor, tile, paint	Square Foot	ş	10.00	1,400	Ş	14,000.00	Update interior of men's and women's				
Building/Structure Minor - Electrical	Square Foot	S	40.00		S						
Building/Structure Minor - Plumbing	Square Foot	ş	50.00	1,400	\$	70,000.00	Replace fixtures and plumbing				
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$	-					
Building/Structure Minor - Roofing	Square Foot	\$	20.00	1,400	\$	28,000.00	New roof				
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$		the first start of an all starts and the second starts and				
Restroom Stalls Replacement	Each	ş	800.00	6	\$	4,800.00	update interior of men's and women's for ADA compliance				
Drinking Fountain Replacement	Each	s S	1,000.00	1	¢	- 800.00	Remove and replace with ADA compliant				
Sink/Toilet Replacement	Each	\$	600.00	10	ş	6,000.00	Update men's and women's for ADA compliance				
Vaulted Toilet Structure Replacement/New	Each	\$ 5	60,000.00		\$						
WASTEWATER SYSTEM IMPROVEMENTS		-			-						
Conventional Gravity System Replacement	Lump Sum	\$ 1 c ~	15,000.00		\$	-	Inclusive of drainfield & tank/c) Accumer				
Level II Treatment System Replacement/Install	Lump Sum	\$ 25	0.000.00	1	ş	30,000.00	niciosive or ordininero & tank(s) - Assumes replacement area on-site				
Pump Station Replacement	Lump Sum	\$ 8	30,000.00		ŝ						
Connection to Public Wastewater System	Lump Sum	\$ 1	10,000.00		\$	-					
Connection to Public Wastewater System - Piping	Linear Foot	\$	50.00		\$	-					
Connection to Public Wastewater System - Manhole	Each	\$	4,500.00		\$	-					
WATER EVETERA IMARROV/EMENTS	I	1			L						
Public Well Replacement	Lumo Sum	5 4	15.000.00	1	¢	45 000 00	New well				
Water System Treatment	Lump Sum	\$ 2	20,000.00	1	ŝ	20.000 00	Add treatment & storage				
Connection to Public Water System	Lump Sum	\$ 1	10,000.00		\$						
Connection to Public Water System - Piping	Linear Foot	\$	65.00		\$	-					
Connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		\$	-					
		IM	IPROVEM	ENT ITEMS SUBTOTAL	\$	318,400.00	Indudes all easts in succeed in a second line of the second second second second second second second second se				
	MOBI! 17		/DEMOR	18%	\$	57 312 00	includes all costs incurred in assembling and transporting materials to the work site.				
			,	10/0	7	57,512.00	included to account for unidentified items including but not limited to BMPs, traffic				
		0041		254	c	02 0 20 00	control, incidental pavement transitional areas, structural elements, public				
		CONT	WOLNUT	SUBTOTAL	, , . \$	95,928.00 469.640.00	our cour, and other unanticipated conditions.				
					÷	,					
	PRELIMINAR	RY ENG	INEERING	10%	\$	46,964.00					
	CONSTRUCTIO	N ENG	INEERING	10%	\$	46,964.00					
							Indirect costs are not directly associated with the construction of a project but are				
INDIRE	CT COST (IDC) - (CONST	RUCTION	10.49%	\$	49,265.24	incurred during the construction process. IDC percentage is subject to change.				
ואטאנכר כטא ואטרי כטאזאטכרוטא			SUBTOTAL	\$	143,193.24						

Estimated Total Project Cost \$ 612,833.24

Flowing Wells								
	1	1	Health Sco	oring Index	•			
Element	5core 19.0				Comments			
Site	8.0							
Structure	19.0							
water Wastewater	23.3	ine improvements						
Amenities	4.0							
Overall Health Index Sco	re= 91.8							
			Improvements	Cost Estimate				
		Estimated	Proposed Total	Estimated Improvement				
Item Description	Unit	Unit Price	Quantity	Cost (2018)	Comments			
		(2018)	DEMOLITI	ON ITEMS				
Overall Site Clearing	Acre	\$ 3,300.00		\$ -				
Asphalt Removal Concrete Curb & Gutter Removal	Square Yard	\$ 12.00 \$ 10.00		\$ - \$				
Concrete Sidewalk Removal	Square Foot	\$ 2.00		ş -				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ - \$				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$-				
		Dem	olition Items Subtotal	\$-				
			IMPROVEN	IENT ITEMS				
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40		s -				
NIII & FIII Bituminous Pavement	Square Foot Ton	\$ 1.70 \$ 120.00		s - s -				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -				
Concrete Curb & Gutter	Linear Foot	\$ 30.00		s -				
ADA Ramps Striping	Each Linear Foot	\$ 1,500.00 \$ 2.50		s - s -				
Signage	Each	\$ 750.00		\$ -				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -				
SITE IMPROVEMENTS								
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -				
Site Fencing Replacement	Linear Foot	\$ 1.00 \$ 6.00		s -				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		ş -				
Picnic Table Shelters Replacement/New Picnic Table Replacement/New	Each	\$ 30,000.00		s -				
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -				
Bench Replacement/New	Each	\$ 850.00		\$ -				
Site Lighting Replacement Site Signage Replacement/New	Each	\$ 5,000.00		\$ - \$				
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -				
Flag Pole	Each	\$ 5,000.00						
Building/Structure Complete Replacement	Square Foot	\$ 450.00		ş -				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -				
Building/Structure Minor - Electrical Building/Structure Minor - HVAC	Square Foot	\$ 50.00		\$ - \$				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -				
Restroom Stalls Replacement	Each	\$ 800.00		\$ -				
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -				
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$ 50.000.00		- د				
		,						
WASTEWATER SYSTEM IMPROVEMENTS	lun : C	¢ 15 000						
Conventional Gravity System Replacement Pressure Dose System Replacement	Lump Sum	\$ 15,000.00 \$ 30.000.00		s - s -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$				
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		s -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -				
WATER SYSTEM IMPROVEMENTS Public Well Replacement	Lume Core	\$ 45,000.00		s				
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -				
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -				
connection to Public water system - Valves, Bends, etc.	Each	> 1,000.00 IMPROVEM	ENT ITEMS SUBTOTAL	۰ - ۲				
<u> </u>					Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION/DEMOB.	18%	ş -	site. Included to account for unidentified items including but not limited to BMPs, traffic			
			-		control, incidental pavement transitional areas, structural elements, public			
		CONTINGENCY	25% SUBTOTAL	> - \$ -	outreach, and other unanticipated conditions.			
					-			
	PRELIMINAR	Y ENGINEERING	10%	\$ -				
	CONSTRUCTIO	IN ENGINEERING	10%	۰ ، د				
141515	FCT COST (IDC)	ONSTRUCTION	10.49%	\$	Indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change			
INDIK			SUBTOTAL	\$				
	Estin	nated Tota	I Project Cost	5 -				

Gold Creek (East)									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement	15.3	Chip seal, restr	ipe, remove island						
Site	3.7	Replace of feat	a structure, replace wit	o a parking area					
Water	10.3	Upgrade well fo	Ipgrade well for irrigation						
Wastewater	13.2	Abandon drainfield in place							
Amenities	4.0	Replace all feat	Replace all features						
Overall Health Index Score	= 56.8	56.8							
			Incorrections	Cost Estimate					
	1	Estimated	Improvements	Estimated Improvement					
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments				
		(2018)	Quantity	(2018)					
Overall Site Clearing	Acre	\$ 3,300,00	DEMOLIT	S 3 300.00	General clearing & grubbing of existing site				
Asphalt Removal	Square Yard	\$ 12.00	-	\$ 5,500.00	deneral cleaning of gradding of existing site				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	670	\$ 6,700.00	Estimated removal area limited to RA site only				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,950	\$ 3,900.00	Estimated removal area limited picnic loops, assume all walks are 5' wide.				
Building/Structure Removal	Square Foot	\$ 50.00	800	\$ 40,000.00	Removal of existing structure				
Picnic Table and Shelter Removal	Each	\$ 5,000.00	2	\$ 10,000.00					
Irrigation System Removal	Each	\$ 2,000.00		\$ -	Abandon in place				
Well Removal/Abandonment	Each	\$ 5,000.00	1	\$ 5,000,00	Abandon in niace				
septe system temoraly soundorment	Eden	Dem	olition Items Subtotal	\$ 68,900.00	Autor in piece				
			IMPROVEN	1ENT ITEMS					
PARKING AREA IMPROVEMENTS									
Chip Sealing	Square Foot	\$ 0.40	115,200	\$ 46,080.00	Parking, ramps and islands				
Mill & Fill Rituminaur Pavament	Square Foot	\$ 1.70	350	5 - 6	Accumac a full conferement of comound ideated 10,000 of				
Crushed Aggregate Base	Cuhic Vard	\$ 60.00	200	\$ 18 518 57	Based on 10" section under asphalt area. 10 000 sf				
Concrete Curb & Gutter	Linear Font	\$ 30.00		\$ -					
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50	7,100	\$ 17,750.00	Restripe				
Signage	Each	\$ 750.00	4	\$ 3,000.00	Replace with truck parking signs				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		ş -					
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	200	\$ 833333	Assumes all sidewalk is 5' wide, to new vault toilet				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	2,000	\$ 2,000.00	Replace disturbed area				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00	2,000	\$ 2,000.00	Replace removed				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Sneiters Replacement/New	Each	\$ 30,000.00	1	\$ 2,500,00	New				
Waste Receptacle Replacement/New	Each	\$ 2,500.00 \$ 300.00	2	\$ 2,300.00 \$ 600.00	Reduce				
Bench Replacement/New	Each	\$ 850.00	_	\$ -					
Site Lighting Replacement	Each	\$ 5,000.00		\$ -					
Site Signage Replacement/New	Each	\$ 750.00		\$-					
Pet Area Replacement/New	Each	\$ 5,000.00	1	\$ 5,000.00	Replace removed				
Flag Pole	Each	\$ 5,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		ş -					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 20.00		\$.					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		s -					
Restroom Stalls Replacement	Each	\$ 800.00		\$ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/Toilet Replacement	Each	\$ 600.00		ş -					
vaulteu rollet structure keplacement/New	Each	ə 50,000.00	1	ə 50,000.00	neplace structure with valited tollet; assume double structure				
WASTEWATER SYSTEM IMPROVEMENTS	1	1	I		L				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		ş -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Wastewater System - Piping Connection to Public Wastewater System - Manhole	Each	\$ 4500.00		 د -					
		,							
WATER SYSTEM IMPROVEMENTS									
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
water System Treatment	Lump Sum	\$ 20,000.00	0.25	\$ 5,000.00	upgrade well				
Connection to Public Water System	Lump Sum	\$ 10,000.00 \$ 65.00		> - \$					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1.000.00		\$ -					
,		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 262,681.85					
					Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB.	18%	\$ 47,282.73	site. Included to account for unidentified items including but not limited to RMPs_traffir				
					control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 77,491.15	outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 387,455.73					
	PRELIMINAR		10%	\$ 38.745 57					
	CONSTRUCTIO	N ENGINEERING	10%	\$ 38,745.57					
					to the second				
INDIDE		CONSTRUCTION	10.49%	\$ 40.644.11	indirect costs are not directly associated with the construction of a project but are incurred during the construction process, IDC nercentage is subject to change				
NOR.			SUBTOTAL	\$ 118,135,25					

Estimated Total Project Cost \$ 505,590.98

Gold Creek (West)									
			Health Sco	oring Index					
Element	Score	Chin cort	no romovo island		Comments				
Pavement Site	15.3	CHIP seal, restri Replace of feat	pe, remove Island ures for down grading	to a parking area					
Structure	10.3	Remove existin	g structure, replace wit	th vaulted toilet					
Water	10.3	Upgrade well fo	pgrade well for irrigation						
Wastewater	13.2	Abandon drainf	ield in place						
Amenities	4.0	Replace all feat	ures						
		Improvements Cost Estimate							
		Estimated	Proposed Total	Estimated Improvement					
Item Description	Unit	Unit Price	Quantity	Cost (2018)	Comments				
		(2018)	DEMOLIT	ION ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00	1	\$ 3,300.00	General clearing & grubbing of existing site				
Asphalt Removal	Square Yard	\$ 12.00		\$ -					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	500	\$ 5,000.00	Estimated removal area limited to RA site only				
Concrete sidewalk Removal Building/Structure Removal	Square Foot	\$ 2.00	2,000	\$ 4,000.00 \$ 40,000.00	Estimated removal area limited pichic loops, assume all walks are 5' wide. Removal of existing structure				
Picnic Table and Shelter Removal	Each	\$ 5,000.00	2	\$ 10,000.00					
Irrigation System Removal	Each	\$ 2,000.00		\$-	Abandon in place				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00	1	\$ 5,000.00	Abandon in place				
		Dem	olition Items Subtotal	\$ 67,300.00					
			IMPROVEN	MENT ITEMS					
PARKING AREA IMPROVEMENTS			IN NOVEN						
Chip Sealing	Square Foot	\$ 0.40	101,000	\$ 40,400.00	Parking, ramps and islands				
Mill & Fill	Square Foot	\$ 1.70		\$ -					
Bituminous Pavement	Ton	\$ 120.00	150	\$ 18,000.00	Assumes a full replacement of removed island, 6,000 sf				
Lrusnea Aggregate Base Concrete Curb & Gutter	Cubic Yard	\$ 60.00	185	\$ 11,111.11 \$	Based on 10° section under asphalt area, 6,000 sf				
ADA Ramps	Each	\$ 1,500.00	2	\$ 3.000.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50	6,800	\$ 17,000.00	Restripe				
Signage	Each	\$ 750.00		\$ -					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -					
SITE IMPROVEMENTS	Lineal Foot	\$ 41.67	200	\$ 833333	Assumes all sidewalk is 5' wide to new yault toilet				
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	2,000	\$ 2,000.00	Replace disturbed area				
General Landscaping - Tree Replacement	Each	\$ 400.00	,	\$ -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00	2,000	\$ 2,000.00	Replace removed				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$-					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks Picnic Table Shelters Replacement/New	Eump Sum Fach	\$ 30,000.00		\$ •					
Picnic Table Replacement/New	Each	\$ 2,500.00	1	\$ 2.500.00	New				
Waste Receptacle Replacement/New	Each	\$ 300.00	2	\$ 600.00	Reduce				
Bench Replacement/New	Each	\$ 850.00		\$-					
Site Lighting Replacement	Each	\$ 5,000.00		\$ -					
Site Signage Replacement/New	Each	\$ 750.00		\$ -	D				
Pet Area Replacement/New	Each	\$ 5,000.00	1	\$ 5,000.00	Replace removed				
nag role	Lacii	\$ 5,000.00		÷ -					
BUILDING/STRUCTURAL IMPROVEMENTS	1				L				
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -					
building/Structure Minor - Electrical Building/Structure Minor - HVAC	Square Foot	> 50.00 \$ 40.00		۰ - د د					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -					
Kestroom Stalls Replacement	Each	\$ 800.00		\$ - ¢					
Drinking Fountain Replacement	Each	\$ 800.00		- S					
Sink/Toilet Replacement	Each	\$ 600.00		\$					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00	1	\$ 50,000.00	Replace structure with vaulted toilet; assume double structure				
WASTEWATER SYSTEM IMPROVEMENTS	10000	¢ 15 000 07		¢					
Conventional Gravity System Replacement Pressure Dose System Replacement	Lump Sum	\$ 30,000,00		۰ - د د					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$-					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		ş -					
WATER SYSTEM IMPROVEMENTS				L	1				
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
Water System Treatment	Lump Sum	\$ 20,000.00	0.25	\$ 5,000.00	Upgrade well for irrigation				
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		5 -					
L		INIPROVÉM	ENT TIENS SUBTOTAL	ə 232,244.44	Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB.	18%	\$ 41,804.00	site.				
					included to account for unidentified items including but not limited to BMPs, traffic control, incidental payement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 68,512.11	outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 342,560.56					
	DDELIMAN		4000	¢ 34355.05					
	CONSTRUCTION	N ENGINEERING	10%	34,256.06 \$ 34.256.06					
	Sensinociloi		10%	. 54,250.00					
		ONSTRUCTION	10.40%	\$ 35.934.60	Indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change				
INDIK			SUBTOTAL	\$ 104,446.71					

Estimated Total Project Cost \$ 447,007.27

Greycliff (East)										
			Health Sco	oring Index						
Element	Score	Chie Ce 1			Comments					
Pavement	17.3	Chip Seal and n	estripe place non-compliant Ar	A sidewalk, benches, and com	ns					
Structure	16.3	memove and re	proce non-compliant AL	and ramp	~~					
Water	22.7									
Wastewater	10.5	Future groundv	uture groundwater discharge permitting							
Amenities	4.0									
Overall Health Index Score=	76.8									
			Improvements	Cost Estimate						
	1	Estimated	Bronorod Total	Estimated Improvement						
Item Description	Unit	Unit Price	Quantity	Cost	Comments					
		(2018)	DEMOLITI	(2018) ON ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00		\$ -						
Asphalt Removal	Square Yard	\$ 12.00		\$-						
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -						
Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$ -						
Picnic Table and Shelter Removal	Fach	\$ 5,000,00		s -						
Irrigation System Removal	Each	\$ 2,000.00		\$ -						
Well Removal/Abandonment	Each	\$ 3,000.00		\$-						
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
		Dem	olition Items Subtotal	\$-						
			IMPROVEN	IENT ITEMAS						
ARKING ARFA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40	130,000	\$ 52,000.00	Parking and ramps					
Mill & Fill	Square Foot	\$ 1.70		\$						
Bituminous Pavement	Ton	\$ 120.00		\$ -						
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -						
Loncrete Curb & Gutter	Linear Foot	\$ 30.00	2	\$	Replace with ADA compliant					
Striping	Linear Foot	\$ 2.50	2.800	\$ 7.000.00	Parking and ramps					
Signage	Each	\$ 750.00	_,	\$ -	r an m-D an ar an dea					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -						
SITE IMPROVEMENTS			1							
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	80	\$ 3,333.33	Assumes all sidewalk is 5' wide					
General Landscaping - Tree Replacement	Each	\$ 400.00		s -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		ş -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$-						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -						
Pichic Lable Replacement/New Waste Recentacle Replacement/New	Each	\$ 2,500.00		s -						
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant					
Site Lighting Replacement	Each	\$ 5,000.00		\$ -						
Site Signage Replacement/New	Each	\$ 750.00		\$-						
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -						
Flag Pole	Each	\$ 5,000.00								
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -						
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$-						
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing Building/Structure Minor - Paint (actorian)	Square Foot	\$ 50.00		s -						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		s -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$ -						
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00		\$ -						
Sink/ Lollet Replacement	Each	\$ 50,000,00		s -						
vanca i oret stractare replacement/new	LdUI	JU,UUU.UU ج		* ·						
WASTEWATER SYSTEM IMPROVEMENTS			ı – I		1					
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Future groundwater discharge permitting for combined site.					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		ş -						
Pump station Replacement	Lump Sum	\$ 80,000.00		s -						
Connection to Public Wastewater System	Linear Foot	\$ 50,000.00		s -						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45,000.00		ş -						
voluer system i reatment Connection to Public Water System	Lump Sum	\$ 10,000.00		s -						
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -						
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		ş -						
	·	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 82,033.33						
	MODU -				Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	\$ 14,766.00	site. Included to account for unidentified items including but not limited to BMPs. traffic					
					control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 24,199.83	outreach, and other unanticipated conditions.					
			SUBTOTAL	ə 120,999.17	-					
	PRELIMINAR	Y ENGINEERING	10%	\$ 12,099.92						
(CONSTRUCTION	N ENGINEERING	10%	\$ 12,099.92						
					Indirect costs are not directly associated with the construction of a project but are					
INDIRECT	COST (IDC) - C	CONSTRUCTION	10.49%	\$ 12,692.81	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 36,892.65						

Estimated Total Project Cost \$ 157,891.81

Greycliff (West)										
			Health Sco	oring Index						
Element	Score	Chin Sort	rtripo		Comments					
Site	17.7	Remove and re	blace non-compliant Al	OA sidewalk, benches, and ram	05					
Structure	15.7									
Water	22.7									
Wastewater	10.5	Future groundv	ater discharge permit	ting						
Amenities Overall Health Index Score	4.0									
			Improvements	Cost Estimate						
	1	Estimated	Proposed Total	Estimated Improvement						
Item Description	Unit	Unit Price	Quantity	Cost	Comments					
		(2018)	DEMOLITI	ON ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00		ş -						
Asphalt Removal	Square Yard	\$ 12.00		\$ -						
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -						
Concrete Sidewalk Kemoval Building/Structure Removal	Square Foot	\$ 50.00		\$ -						
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -						
Irrigation System Removal	Each	\$ 2,000.00		\$-						
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -						
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
		Dem	olition Items Subtotal	ş -						
	IMBRAUCUPATIVA									
PARKING AREA IMPROVEMENTS			INFROVEN							
Chip Sealing	Square Foot	\$ 0.40	126,000	\$ 50,400.00	Parking and ramps					
Mill & Fill	Square Foot	\$ 1.70		\$-						
Bituminous Pavement	Ton	\$ 120.00		\$ -						
Crushed Aggregate Base	Cubic Yard	\$ 60.00		s -						
ADA Ramos	Einear Foot	> 30.00 \$ 1.500.00	3	> - \$ 4500.00	Replace with ADA compliant					
Striping	Linear Foot	\$ 2.50	2,800	\$ 7.000.00	Parking and ramps					
Signage	Each	\$ 750.00	,	\$ -						
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -						
SITE IMPROVEMENTS			60	A	A CONTRACTOR OF A CONTRACTOR					
Concrete Sidewalk - 4 inch General Landscaping Turf/Sood/Hardscape	Lineal Foot	\$ 41.67	60	\$ 2,500.00	Assumes all sidewalk is 5' wide					
General Landscaping - Tree Replacement	Fach	\$ 400.00		\$ -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$-						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -						
Waste Receptacle Replacement/New	Each	\$ 2,500.00		s -						
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant					
Site Lighting Replacement	Each	\$ 5,000.00		\$ -						
Site Signage Replacement/New	Each	\$ 750.00		\$ -						
Pet Area Replacement/New	Each	\$ 5,000.00		\$-						
Flag Pole	Each	\$ 5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS										
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -	New building, estimated cost includes structure, electrical, plumbing, etc.					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		ş -						
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -						
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing Building/Structure Minor - Point (oxtorior)	Square Foot	\$ 50.00		\$ -						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$-						
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00		ş -						
oniky rollet Replacement	Each	> 600.00		، -						
vanca rolet structure repidtement/new	LdUI	÷ 30,000.00		· ·						
WASTEWATER SYSTEM IMPROVEMENTS	1				1					
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Future groundwater discharge permitting for combined site.					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		s -						
Pump station Replacement	Lump Sum	\$ 80,000.00		> -						
Connection to Public Wastewater System - Pining	Linear Foot	\$ 50.00		<u> </u>						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45,000.00		s -						
Voluer system Treatment	Lump Sum	\$ 10,000.00		، -						
Connection to Public Water System	Linear Foot	\$ 65.00		\$ -						
Connection to Public Water System - Valves, Bends. etc.	Each	\$ 1,000.00		\$ -						
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 81,100.00						
		TION / T			Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	> 14,598.00	site. Included to account for unidentified items including but not limited to BMPs. traffic					
					control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 23,924.50	outreach, and other unanticipated conditions.					
			SUBTOTAL	> 119,622.50	-					
	PRELIMINAR	ENGINEERING	10%	\$ 11,962.25						
	CONSTRUCTION	ENGINEERING	10%	\$ 11,962.25						
					Indirect costs are not directly associated with the construction of a project but are					
INDIRE	CT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 12,548.40	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 36,472.90						

Estimated Total Project Cost \$ 156,095.40

Hardin (East)										
				Health Sco	ring Index					
Element	Score						Comments			
Pavement	8.7	Add 10	truck pa	rking stalls						
Site	4.7	Remove	emove and replace non-compliant ADA sidewalk, add lighting							
Structure	12.7	Replace	ncrease capacity and storage							
Water	10.3	mercus	in case coloners and soundEe							
Amenities	4.0									
Overall Health Index Score	= 52.3									
				Improvements	Cost Estimate					
		Estin	nated	Proposed Total	Estimated Improven	nent				
Item Description	Unit	Unit	Price	Quantity	Cost		Comments			
		(20	18)	DEMOUT	(2018)					
Overall Site Clearing	Acro	\$ 3	300.00	1	ও 16	50.00	General clearing & grubbing for additional truck parking			
Asphalt Removal	Square Yard	s s	12.00		\$ 1,0		deneral eleaning of Brabania for additional a des parsing			
Concrete Curb & Gutter Removal	Linear Foot	ŝ	10.00		s					
Concrete Sidewalk Removal	Square Foot	\$	2.00	1,300	\$ 2,6	600.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.			
Building/Structure Removal	Square Foot	\$	50.00		\$	-				
Picnic Table and Shelter Removal	Each	\$5,	000.000	2	\$ 10,0	00.00	Remove and replace			
Irrigation System Removal	Each	\$ 2,	000.000		\$	-				
Well Removal/Abandonment	Each	\$ 3,	000.000		\$	-				
Septic System Removal/Abandonment	Each	\$5,	000.000		\$	-				
			Dem	olition Items Subtotal	\$ 14,2	50.00				
	IMPROVEMENT ITEMS									
PARKING AREA IMPROVEMENTS	Cause - C	¢	0.**		<u>^</u>					
chip searing	Square Foot	> c	0.40		> c	-				
Rituminous Pavement	Square Foot	ç	120.00	750	2 6 007	-	10 Stalls additional truck parking approx 20,000 ef			
Crushed Aggregate Base	Cubic Vard	s S	60.00	1.667	- 90,0 S 100.0	00.00	Based on 18" section under asphalt area			
Concrete Curb & Gutter	Linear Foot	ś	30.00	500	\$ 150	000.00	Extend for additional truck parking			
ADA Ramps	Each	\$ 1	.500.00	1	\$ 1.5	500.00	Remove and replace with ADA compliant			
Striping	Linear Foot	\$	2.50	850	\$ 2.1	25.00	Stripe 10 truck parking stalls			
Signage	Each	\$	750.00	4	\$ 3.0	00.00	Additional directional signage			
Stormwater Culvert - 12 inch	Linear Foot	\$	60.00		\$	-				
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	260	\$ 10,8	333.33	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00		\$	-				
General Landscaping - Tree Replacement	Each	\$	400.00		\$	-				
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00		\$	-				
Site Fencing Replacement	Linear Foot	\$	6.00		\$	-				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20	000.000		\$	-				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50	000.000		\$	-				
Picnic Table Shelters Replacement/New	Each	\$ 30	000.000	2	\$ 60,0	00.00	Estimates includes picnic table, concrete and shelter			
Picnic Table Replacement/New	Each	\$ 2,	500.00	2	\$ 5,0	00.00	Stand alone picnic table			
Waste Receptacle Replacement/New	Each	\$	300.00		\$	-				
Bench Replacement/New	Each	\$	850.00	2	\$ 1,7	00.00	Remove and replace with ADA compliant			
Site Lighting Replacement	Each	\$5,	000.000	8	\$ 40,0	00.00	Additional lighting for truck parking			
Site Signage Replacement/New	Each	\$	750.00	4	\$ 3,0	00.00	Replace existing			
Pet Area Replacement/New	Each	\$ 5,	.000.000		ş	-				
Flag Pole	Each	\$ 5,	000.000							
DUULDING (CTRUCTURAL IMARROW/PMENTS										
Building/Structure Complete Replacement	Square Foot	Ś	450.00		¢					
Building/Structure Minor - Floor tile paint	Square Foot	ç	10.00	1.000	\$ 10.0	-	Indate interior of men's and women's			
Building/Structure Minor - Flectrical	Square Foot	s	50.00	100	\$ 50	00.00	Undate interior lighting			
Building/Structure Minor - HVAC	Square Font	ŝ	40.00	- 30	\$	-				
Building/Structure Minor - Plumbing	Square Foot	ŝ	50.00	1.000	\$ 50.0	00.00	Replace fixtures and plumbing			
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00	2,000	\$ 50,0	-				
Building/Structure Minor - Roofing	Square Foot	\$	20.00	1,000	\$ 20.0	00.00	New roof			
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$	-				
Restroom Stalls Replacement	Each	\$	800.00	5	\$ 4,0	00.00	Update interior of men's and women's for ADA compliance			
Door/Doorway Replacement	Each	\$ 1,	000.00		\$	-				
Drinking Fountain Replacement	Each	\$	800.00	2	\$ 1,6	500.00	Remove and replace with ADA compliant			
Sink/Toilet Replacement	Each	\$	600.00	10	\$ 6,0	00.00	Update men's and women's for ADA compliance			
Vaulted Toilet Structure Replacement/New	Each	\$ 50	,000.000		\$	-				
	1	I								
WASTEWATER SYSTEM IMPROVEMENTS	turns (C.)	c	000.00		<u>^</u>					
Conventional Gravity System Replacement	Lump Sum	\$ 15	00.000		\$	-				
rressure Dose System Replacement	Lump Sum	\$ 30	000.000		> c	-				
Pumo Station Replacement	Lump Sum	÷ ∠50, ¢ ∞^	000.00		~ ¢	-				
Connection to Public Wastewater System	Lump Sum	> 80 \$ 10	000.000		ې د	-				
Connection to Public Wastewater System	Lump Sum	\$ 10, \$	50.00		ې د	-				
Connection to Public Wastewater System - Piping	Each	ş S A	500 00		ý S	-				
sector and a subsectivate system - Manhole	Lacii	- 4,			-	-				
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45	00.000		\$	-				
Water System Treatment	Lump Sum	\$ 20	00.000	1	\$ 20,0	00.00	Increase water capacity and storage			
Connection to Public Water System	Lump Sum	\$ 10	000.000		\$	-				
Connection to Public Water System - Piping	Linear Foot	\$	65.00		\$	-				
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,	000.000		\$	-				
		IMP	ROVEM	ENT ITEMS SUBTOTAL	\$ 463,0	008.33				
	MODIFIE	ATION "	NEMOR	1000	¢	241 50	Includes all costs incurred in assembling and transporting materials to the work			
	NUUBILIZ	ATION/L	CIVIUB.	18%	ə 83,	341.5U	Included to account for unidentified items including but not limited to BMPs, traffic			
							control, incidental pavement transitional areas, structural elements, public			
		CONTIN	IGENCY	25%	\$ 136,5	587.46	outreach, and other unanticipated conditions.			
				SUBTOTAL	\$ 682,9	937.29				
	0051									
	PRELIMINAR	T ENGIN	EERING	10%	\$ 68,	293.73				
	CONSTRUCTIO	N ENGIN	EERING	10%	ə 68,3	293.73				
							Indirect costs are not directly associated with the construction of a proiect but are			
INDIREC	T COST (IDC) - 0	ONSTR	JCTION	10.49%	\$ 71,6	540.12	incurred during the construction process. IDC percentage is subject to change.			
				SUBTOTAL	\$ 208,2	227.58				

Estimated Total Project Cost \$ 891,164.87

Hardin (West)										
			Health Sco	oring Index						
Element	Score	Add 10 stalls of	truck parking and real	ign on ramn. Address nonding is	Comments					
Site	4.7	Remove and rep	place non-compliant A	DA sidewalks, add exterior light	ing					
Structure	12.7	Replace roof, in	terior features and plu	mbing fixtures						
Water	12.0	Increase capacit	crease capacity and storage							
Wastewater	10.3									
Amenities Overall Health Index Sco	4.0									
			Improvements	Cost Estimate						
No. Book Setting		Estimated	Proposed Total	Estimated Improvement						
Item Description	Unit	(2018)	Quantity	(2018)	Comments					
		(2020)	DEMOLIT	ION ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00	1	\$ 3,300.00	General clearing & grubbing of existing site					
Asphalt Removal	Square Yard	\$ 12.00		\$ -						
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	1.000	\$	Estimated removal area limited to RA site only assume all walks are 5' wide					
Building/Structure Removal	Square Foot	\$ 50.00	1,000	\$ -	estimated removal area initited to for site only, assume an wants are 5 wide.					
Picnic Table and Shelter Removal	Each	\$ 5,000.00	2	\$ 10,000.00	Remove and replace					
Irrigation System Removal	Each	\$ 2,000.00		\$ -						
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -						
Septic System Removal/Abandonment	Each	\$ 5,000.00 Dem	olition Items Subtotal	\$ - \$ 15 200 00						
		bein	ontion recino oubtotal	\$ 13,300.00						
IMPROVEMENT ITEMS										
PARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40		\$ -						
Mill & Fill	Square Foot	\$ 1.70	750	\$ -	10 Shalls additional touch applies approx. 20 200. C					
onuminous Pavement Crushed Aggregate Base	Ton Cubic Vard	> 120.00 \$ 60.00	1.667	> 90,000.00 \$ 100,000.00	20 stans aduitional truck parking, approx. 30,000 st Based on 18" section under asphalt area, approx. 30,000sf					
Concrete Curb & Gutter	Linear Font	\$ 30.00	600	\$ 18.000.00	Extend for additional truck parking					
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Remove and replace with ADA compliant					
Striping	Linear Foot	\$ 2.50	800	\$ 2,000.00	Stripe 10 truck parking stalls					
Signage	Each	\$ 750.00	4	\$ 3,000.00	Additional directional signage					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00	50	\$ 3,000.00						
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	240	\$ 10,000.00	Assumes all sidewalk is 5' wide					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -						
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ ·						
Site Utility - Opgrade Power/phone/cable Site Utility - Replace Propage Storage Tanks	Lump Sum	\$ 20,000.00		s -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter					
Picnic Table Replacement/New	Each	\$ 2,500.00	2	\$ 5,000.00	Stand alone picnic table					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -						
Bench Replacement/New	Each	\$ 850.00	3	\$ 2,550.00	Remove and replace with ADA compliant					
Site Lighting Replacement	Each	\$ 5,000.00	8	\$ 40,000.00	Additional lighting for truck parking					
Pet Area Replacement/New	Each	\$ 5.000.00	4	\$ 5,000.00	Neplace existing					
Flag Pole	Each	\$ 5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS										
Building/Structure Complete Replacement	Square Foot	\$ 450.00 \$ 10.00	1.000	\$ - \$ 10,000,00	Lindate interior of monin and women's					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	100	\$ 5,000.00	Update interior lighting					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	1,000	\$ 50,000.00	Replace fixtures and plumbing					
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00	1,000	\$ 20,000.00	New root					
Restroom Stalls Replacement	Square Foot Fach	\$ 800.00	5	\$ 4.000.00	Update interior of men's and women's for ADA compliance					
Door/Doorway Replacement	Each	\$ 1,000.00	-	\$ -						
Drinking Fountain Replacement	Each	\$ 800.00	2	\$ 1,600.00	Remove and replace with ADA compliant					
Sink/Toilet Replacement	Each	\$ 600.00	10	\$ 6,000.00	Update men's and women's for ADA compliance					
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		ş -						
WASTEWATER SYSTEM IMPROVEMENTS				L						
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$						
Pump Station Replacement	Lump Sum	\$ 80,000.00		ş -						
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		> -						
Connection to Public Wastewater System - Piping Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		s -						
		,		-						
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	Increase water capacity and storage					
Connection to Public Water System	Lunp Sum	\$ 10,000.00		s -						
Connection to Public Water System - Valves, Bends. etc.	Each	\$ 1,000.00		\$ -						
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 469,950.00						
					Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	\$ 84,591.00	site. Included to account for unidentified items including but not limited to RMPs_traffir					
					control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 138,635.25	outreach, and other unanticipated conditions.					
			SUBTOTAL	\$ 693,176.25	-					
	PRELIMINAR	Y ENGINEERING	10%	\$ 69,317.63						
	CONSTRUCTION	NENGINEERING	10%	\$ 69,317.63						
					Indirect costs are not directly associated with the construction of a project but are					
INDIR	ECT COST (IDC) - (ONSTRUCTION	10.49%	\$ 72,714.19	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 211,349.44						

Estimated Total Project Cost \$ 904,525.69

Harlowtown										
			Health Sco	oring Index						
Element	Score	Chin seal and re	strine parking and ran	105	Comments					
Site	5.3	Remove and re	place non-compliant Al	DA sidewalk						
Structure	11.3	Additional inter	ior ventilation and ligh	iting						
Water	26.0									
Wastewater Amonities	24.0									
Overall Health Index Sco	re= 88.3									
			Improvements	s Cost Estimate						
Item Description	Unit	Estimated	Proposed Total	Estimated Improvement	Comments					
		(2018)	Quantity	(2018)						
Querell Site Classics		¢ 2,200,00	DEMOLIT	ON ITEMS						
Asphalt Removal	Square Yard	\$ 12.00		\$.						
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -						
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,800	\$ 3,600.00	Remove and replace					
Building/Structure Removal	Square Foot	\$ 50.00		\$ -						
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -						
Well Removal/Abandonment	Each	\$ 3.000.00		\$ -						
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
		Dem	olition Items Subtotal	\$ 3,600.00						
ARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40	140,000	\$ 56,000.00	Parking area					
Mill & Fill	Square Foot	\$ 1.70		\$ -						
Bituminous Pavement	Ton	\$ 120.00		\$ -						
Lrusnea Aggregate Base	Cubic Yard	\$ 60.00		\$ - ¢						
ADA Ramps	Each	\$ 1,500.00	5	\$ 7,500.00	Replace with ADA compliant					
Striping	Linear Foot	\$ 2.50	2,400	\$ 6,000.00	Parking area					
Signage	Each	\$ 750.00	4	\$ 3,000.00	ADA					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -						
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	360	\$ 15,000.00	Replace with ADA compliant					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -						
General Landscaping - Tree Replacement	Each	\$ 400.00		\$-						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -						
Site Utility - Opgrade Power/phone/cable	Lump Sum	\$ 50,000.00		s -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -						
Picnic Table Replacement/New	Each	\$ 2,500.00		\$-						
Waste Receptacle Replacement/New	Each	\$ 300.00	-	\$ -						
Bench Replacement/New	Each	\$ 850.00	3	\$ 2,550.00	Replace with ADA compliant					
Site Signage Replacement/New	Each	\$ 750.00		· ·						
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -						
Flag Pole	Each	\$ 5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS	Square Foot	¢ 450.00		¢						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -						
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	200	\$ 10,000.00	Upgrade interior lighting and ventilation					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -						
punung/structure Minor - Paint (exterior) Building/Structure Minor - Roofing	Square Foot	\$ 20.00		۰ - د د						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$ -						
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00		\$ -						
Sinky rollet Replacement Vaulted Toilet Structure Replacement /New	Each	> 600.00 \$ 50.000.00		۰ - د د						
and a second a map which the try the w				-						
WASTEWATER SYSTEM IMPROVEMENTS			-							
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		s -						
Pump Station Replacement	Lump Sum	\$ 80,000.00		- S						
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$-						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -						
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		ş -						
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00	ENIT ITEMAS CURTOTO	5 -						
Ļ		INIPROVÉM	ENT TIENS SUBTOTAL	ə 103,650.00	Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	\$ 18,657.00	site.					
					control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 30,576.75	outreach, and other unanticipated conditions.					
			SUBTOTAL	\$ 152,883.75	-					
	PRELIMINAR	YENGINEERING	10%	\$ 15.799.20						
	CONSTRUCTIO	N ENGINEERING	10%	\$ 15,288.38						
					Indirect costs are not directly accepted with the construction of a sector to the					
INDIR	ECT COST (IDC) - (ONSTRUCTION	10.49%	\$ 16,037.51	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 46,614.26	-					

Estimated Total Project Cost \$ 199,498.01

Hathaway (East)								
Element	Score		Health Sco	oring index	Comments			
Pavement	8.3	Add 10 truck pa	rking stalls, mill and fill	parking, restripe, replace curb a	and gutter			
Site	3.7	Remove and rep	place non-compliant AD	A compliant sidewalk, relocate	pet area, replace irrigation system and exterior lighting			
Structure	13.0	Replace structu	re					
Wastewater	12.0	Minor improver	nents to system					
Amenities	4.0	New amenities	lew amenities					
Overall Health Index Sco	re= 53.2							
Improvements Cost Estimate								
		Estimated	Proposed Total	Estimated Improvement Cost				
Item Description	Unit	Unit Price (2018)	Quantity	(2018)	Comments			
		120201	DEMOLIT	ON ITEMS	÷			
Overall Site Clearing	Acre	\$ 3,300.00	3	\$ 9,900.00	General clearing & grubbing of existing site			
Asphalt Removal	Square Yard	\$ 12.00 \$ 10.00	600	\$ 7,200.00 \$ 12,000.00	Remove Parking Island			
Concrete Sidewalk Removal	Square Foot	\$ 2.00	3,250	\$ 6,500,00	Estimated removal area limited to RA site only assume all walks are 5' wide			
Building/Structure Removal	Square Foot	\$ 50.00	950	\$ 47,500.00	Remove existing			
Picnic Table and Shelter Removal	Each	\$ 5,000.00	2	\$ 10,000.00	Remove existing			
Irrigation System Removal	Each	\$ 2,000.00	1	\$ 2,000.00	Remove existing			
Well Removal/Abandonment	Each	\$ 3,000.00		\$ ·				
septic system removal/Abandonment	Eduli	\$ 5,000.00 Den	nolition Items Subtotal	\$ 95,100.00				
APVING AREA INTROVEMENT TEMS								
Chip Sealing	Square Foot	\$ 0,40		s -				
Mill & Fill	Square Foot	\$ 1.70	143,000	\$ 243,100.00	Parking and ramps			
Bituminous Pavement	Ton	\$ 120.00	938	\$ 112.500.00	Assumes additional 10 stalls of truck parking and parking island replacement, approx			
Crushed Aggregate Base	Cubic Yard	\$ 60.00	1,667	\$ 100.000.00	30,000 st Based on 18" section under asphalt area			
Concrete Curb & Gutter	Linear Foot	\$ 30.00	800	\$ 24,000.00	Extend for additional truck parking			
ADA Ramps	Each	\$ 1,500.00	3	\$ 4,500.00	Remove and replace with ADA compliant			
Striping	Linear Foot	\$ 2.50	4,500	\$ 11,250.00	Parking and ramps			
Signage	Each	\$ 750.00	4	\$ 3,000.00	Additional directional signage			
stormwater Culvert - 12 Inch	Linear Foot	\$ 60.00		\$ -				
SITE IMPROVEMENTS	-1	1	1		1			
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	600	\$ 25,000.00	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	2,000	\$ 2,000.00	Replace construction damaged areas			
General Landscaping - Tree Replacement	Each	\$ 400.00	10	\$ 4,000.00	Replace construction damaged areas			
Site Fencing Replacement	Linear Foot	\$ 6.00	2,000	\$ 2,000.00	Replace existing			
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter			
Picnic Table Replacement/New	Each	\$ 2,500.00	5	\$ 12,500.00	Stand alone picnic table			
Waste Receptacie Replacement/New Bench Renjacement/New	Each	\$ 300.00	8	\$ 2,400.00	Replace Replace with ADA compliant			
Site Lighting Replacement	Each	\$ 5,000.00	8	\$ 40,000.00	Additional lighting for truck parking			
Site Signage Replacement/New	Each	\$ 750.00	10	\$ 7,500.00	Replacement			
Pet Area Replacement/New	Each	\$ 5,000.00	1	\$ 5,000.00	Replacement/New			
Flag Pole	Each	\$ 5,000.00	1	\$ 5,000.00				
BUILDING/STRUCTURAL IMPROVEMENTS								
Building/Structure Complete Replacement	Square Foot	\$ 450.00	2,000	\$ 900,000.00	New building, estimated cost includes structure, electrical, plumbing, etc.			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -				
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -				
Restroom Stalls Replacement	Each	\$ 800.00		\$ -				
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -				
Sink/Toilet Replacement	Each	\$ 600.00		> - \$				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -				
WASTEWATER SYSTEM IMPROVEMENTS	Jum - Con	ć 15 000 00		¢				
Pressure Dose System Replacement	Lump Sum	\$ 30,000,00		s -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -				
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -				
Minor System Improvements	Lump Sum	\$ 8,000.00	1	\$ 8,000.00	General system improvements, effluent filters, cleaning.			
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -				
Connection to Public Wastewater System - Manhole	Each	ə 4,500.00		\$ -				
WATER SYSTEM IMPROVEMENTS		I	F	L	<u> </u>			
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -				
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	Increase capacity and storage			
Connection to Public Water System	Lump Sum	\$ 10,000.00		s -				
Connection to Public Water System - Piping Connection to Public Water System - Valves, Bends. etc.	Each	\$ 1,000.00		\$ -				
, see a second sec		IMPROVEN	IENT ITEMS SUBTOTAL	\$ 1,688,550.00				
	MOBILIZ	ATION/DEMOB.	18%	\$ 303,939.00	Includes all costs incurred in assembling and transporting materials to the work site.			
					control, incidental pavement transitional areas, structural elements, public outreach			
		CONTINGENCY	25%	\$ 498,122.25	and other unanticipated conditions.			
			SUBTOTAL	\$ 2,490,611.25	-			
	PRELIMINAR		10%	\$ 249.061.13				
	CONSTRUCTIO	N ENGINEERING	10%	\$ 249,061.13				
					Indirect costs are not directly associated with the construction of a project but are			
INDIF	ECT COST (IDC) -	CONSTRUCTION	10.49%	\$ 261,265.12	incurred during the construction process. IDC percentage is subject to change.			

Estimated Total Project Cost \$ 3,249,998.62

Hathaway (West)									
				Health Scoring Index					
Element	Score				-	Comments			
Pavement	11.3	Add 1	10 truck pa	rking stalls, mill and fi	ll parking, restripe, replace cu	rb and gutter			
Site	4.3	Remo	ove and rep	place non-compliant A	DA compliant sidewalk, reloca	te pet area, replace irrigation system and exterior lighting			
Structure	13.0	керіа	rease capacity and storage						
Water	12.2	Mino	linor improvements to system						
Amenities	4.0	New	amenities						
Overall Health Index Sco	re= 60.2								
				Improvements	s Cost Estimate				
		Est	timated	Proposed Total	Estimated Improvement				
Item Description	Unit	Un	nit Price	Quantity	Cost	Comments			
			2018)	DEMOLIT	ION ITEMS				
Overall Site Clearing	Acre	\$	3,300.00	3	\$ 9,900.00	General clearing & grubbing of existing site			
Asphalt Removal	Square Yard	\$	12.00		\$ -				
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00	800	\$ 8,000.00	Estimated removal area limited to RA site only			
Concrete Sidewalk Removal	Square Foot	\$	2.00	800	\$ 1,600.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.			
Building/Structure Removal	Square Foot	\$	50.00	950	\$ 47,500.00	Remove existing			
Picnic Table and Shelter Removal	Each	Ş	5,000.00	5	\$ 25,000.00	Remove existing			
Irrigation System Removal	Each	Ş	2,000.00		5 -	Remove existing			
Sentic System Removal/Abandonment	Each	s s	5,000.00		\$				
Septe System removaly Abundonment	Eden	~	Dem	olition Items Subtotal	\$ 92,000,00				
-					+				
IMPROVEMENT ITEMS									
PARKING AREA IMPROVEMENTS									
Chip Sealing	Square Foot	\$	0.40		\$ -				
Mill & Fill	Square Foot	\$	1.70	150,000	\$ 255,000.00	Parking and ramps			
Bituminous Pavement	Ton	\$	120.00	938	\$ 112,500.00	Additional truck parking, approx. 30,000 sf			
Crushed Aggregate Base	Cubic Yard	\$	60.00	1,667	\$ 100,000.00	Based on 18" section under asphalt area			
Loncrete Curb & Gutter	Linear Foot	ş	30.00	800	\$ 24,000.00	Extend for additional truck parking			
Strining	Linear Fort	ې د	1,500.00	3	\$ 4,500.00	Parking and ramps			
Signage	Fach	ŝ	2.50	0,000	\$ 10,250.00	Additional directional signage			
Stormwater Culvert - 12 inch	Linear Foot	s	60.00	0	\$ 4,500.00	Automai un eccional signage			
SITE IMPROVEMENTS	1								
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	600	\$ 25,000.00	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00	2,000	\$ 2,000.00	Replace construction damaged areas			
General Landscaping - Tree Replacement	Each	\$	400.00		\$ -				
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00	2,000	\$ 2,000.00				
Site Fencing Replacement	Linear Foot	Ş	6.00		ş -				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 1	20,000.00		\$ -				
Picnic Table Shelters Renlacement/New	Fach	\$ 3	30,000.00	3	\$ 90,000,00) Estimates includes nichic table, concrete and shelter			
Picnic Table Replacement/New	Each	s.	2.500.00	10	\$ 25.000.00	Stand alone picnic table			
Waste Receptacle Replacement/New	Each	\$	300.00	8	\$ 2,400.00	Replace			
Bench Replacement/New	Each	\$	850.00	4	\$ 3,400.00	Replace with ADA compliant			
Site Lighting Replacement	Each	\$	5,000.00	8	\$ 40,000.00	Additional lighting for truck parking			
Site Signage Replacement/New	Each	\$	750.00	10	\$ 7,500.00	Replacement			
Pet Area Replacement/New	Each	\$	5,000.00	1	\$ 5,000.00	Replacement/New			
Flag Pole	Each	\$	5,000.00	1					
BUILDING/STRUCTURAL IMPROVEMENTS	Square Foot	¢	450.00	2.000	¢ 000.000.00	New building, actimated part includes structure, electrical plumbing, etc.			
Building/Structure Minor - Floor, tile, paint	Square Foot	Ş	430.00	2,000	\$	New building, estimated cost includes structure, electrical, planning, etc.			
Building/Structure Minor - Electrical	Square Foot	ŝ	50.00		s -				
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$	50.00		ş -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$ -				
Building/Structure Minor - Exterior Siding	Square Foot	Ş	15.00		ş -				
nesu ourin Stallis Replacement	Each	ې د	800.00		ə -				
Drinking Fountain Replacement	Each	ې د	1,000.00		, - с	+			
Sink/Toilet Replacement	Each	ŝ	600.00		\$ -	<u> </u>			
Vaulted Toilet Structure Replacement/New	Each	\$!	50,000.00		\$ -				
		L							
WASTEWATER SYSTEM IMPROVEMENTS			-	-	-				
Conventional Gravity System Replacement	Lump Sum	\$:	15,000.00		\$ -				
Pressure Dose System Replacement	Lump Sum	\$ 3	30,000.00		\$ -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 25	50,000.00		ş -				
Pump sution Replacement	Lump Sum	\$ 8 c	8,000,000		¢	General system improvements offluent filters -lessies			
Connection to Public Wastewater System Dining	Lunp Sum	ې د	50.00	1	۶ 8,000.00 د	ocieror system improvements, eniuent rifters, cleaning.			
Connection to Public Wastewater System - Manhole	Each	ŝ	4,500.00		\$ -	†			
		*	.,		*				
WATER SYSTEM IMPROVEMENTS									
Public Well Replacement	Lump Sum	\$ 4	45,000.00		\$-				
Water System Treatment	Lump Sum	\$ 3	20,000.00	1	\$ 20,000.00	Increase capacity and storage			
Connection to Public Water System	Lump Sum	\$:	10,000.00		\$ -				
Connection to Public Water System - Piping	Linear Foot	\$	65.00		> -				
connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		> -				
Ļ		IN	NOVEM	ENTITEMS SUBTOTAL	> 1,739,050.0	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION	V/DEMOB.	18%	\$ 313,029.0) site.			
						Included to account for unidentified items including but not limited to BMPs, traffic			
		CON	TINGENCY	259	\$ 513,010.7	control, incidental pavement transitional areas, structural elements, public			
		2014		SUBTOTAL	\$ 2,565,098.7	y and a new analysis conditions.			
						-			
	PRELIMINAR	Y ENG	INEERING	10%	\$ 256,509.8	3			
	CONSTRUCTIO	N ENG	INEERING	10%	\$ 256,509.8	3			
						Indirect costs are not directly associated with the construction of a project but are			
INDIR	ECT COST (IDC) -	CONST	RUCTION	10.49%	\$ 269,078.8	 incurred during the construction process. IDC percentage is subject to change. 			
				SURTOTAL	\$ 783 088 6	1			

Estimated Total Project Cost \$ 3,347,197.36

UBTOTAL \$ 147,647.50	
10% \$ 14,764.75	
10% \$ 14,764.75	
Indirect costs are not directly associated with the construction of a pro	oject but are
10.49% \$ 15,488.22 incurred during the construction process. IDC percentage is subject to	change.

192,665.22

Estimated Total Project Cost \$

Homestake Pass (East) PA								
realth Score Commants								
Pavement	3.0	L						
Site	4.0	Remove and rep	place sidewalks and rai	mps. Add picnic tables and pet a	areas. Additional exterior lighting			
Structure								
Water System	3.0							
Vaulted Toilets	5.0	Replace vaulted	toilets					
Uverall Hearth Index Score= 15.0								
Improvements Cost Estimate								
	1	Estimated	improvements	s cost estimate				
Item Description	Unit	Unit Price	Proposed Total	Estimated Improvement Cost	Comments			
		(2018)	Quantity	(2018)				
		4	DEMOLIT	ION ITEMS				
Overall Site Cleaning	Acre Square Vard	\$ 3,300.00		\$ -				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,200	\$ 2,400.00	Remove and replace			
Building/Structure Removal	Square Foot	\$ 50.00		\$ -				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -				
Irrigation System Removal	Each	\$ 2,000.00		\$ -				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00	- lition Items Coltantal	\$ -				
		Den	lolition items Subtotal	\$ 2,400.00				
INDOOL/EAST VY VYCASE								
IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40		\$ -				
Mill & Fill	Square Foot	\$ 1.70		\$ -				
Bituminous Pavement	Ton	\$ 120.00		\$ -				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -				
Concrete Curb & Gutter	Linear Foot	\$ 30.00	240	\$ 7,200.00	Replace with sidewalks			
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with sidewalks			
Striping	Linear Foot	\$ 2.50		\$ -				
Stormwater Culvert - 12 inch	Each Linear Foot	\$ 750.00		\$ -				
Stornwater curvert - 12 mich	Linear Foot	\$ 00.00		ş -				
SITE IMPROVEMENTS								
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	240	\$ 10,000.00	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -				
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -				
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -				
Site Offity - Replace Propane Storage Tanks	Europ Sum	\$ 30,000.00		\$ -				
Picnic Table Replacement/New	Each	\$ 2,500.00	1	\$ 2,500.00	Stand alone picnic table			
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -				
Bench Replacement/New	Each	\$ 850.00		\$ -				
Site Lighting Replacement	Each	\$ 5,000.00	4	\$ 20,000.00	Additional exterior lighting			
Site Signage Replacement/New	Each	\$ 750.00	2	\$ 1,500.00	Add directional signage			
Pet Area Replacement/New	Each	\$ 5,000.00	1	\$ 5,000.00				
Flag Pole	Each	\$ 5,000.00						
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		ş -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		> -				
Restroom Stalls Replacement	Each	\$ 800.00		s -				
Door/Doorway Replacement	Each	\$ 1.000.00		\$ -				
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Sink/Toilet Replacement	Each	\$ 600.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00	1	\$ 50,000.00	Assumes a double structure			
WASTEWATER SYSTEM IMPROVEMENTS	1.	A						
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		> -				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		s -				
Pump Station Replacement	Lump Sum	\$ 80.000.00		\$.				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00	-	\$ -				
WATER SYSTEM IMPROVEMENTS	1.	4	1					
Public Well Replacement	Lump Sum	\$ 45,000.00		> -				
Water system Treatment	Lump Sum	\$ 20,000.00		> -	Connection to public systems - actual connection point			
Connection to Public Water System	Linear Foot	\$ 65.00		s -	Replacement/new piping between RA & connection point			
Connection to Public Water System - Valves Rends etc	Fach	\$ 1.000.00		s .	Replacement/new valves, bends, fittings, etc.			
- voives, beinds, etc.	caun	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 100 100 00	negoseenen jiren tartea, aeraa, reinga, Etc.			
Interference of the work in the second secon								
MOBILIZATION/DEMOB. 18% \$ 18,018.00 site.								
included to account or university of the including but not influed to BMPs, (rainte control, including but not influed to BMPs, (rainte control, includental payment transitional arganese structural behavior.								
		CONTINGENCY	25%	\$ 29,529.50	outreach, and other unanticipated conditions.			
			SUBTOTAL	\$ 147,647.50				
Homestake Pass (West) PA								
-------------------------------------------------------------------------------------------------------	--------------------	-------------------------	-------------------------	--------------------------------	---------------------------------------------------------------------------------------	--	--	--
		-	Health Sco	oring Index				
Element	Score				Comments			
Site	3.5	Remove and re	place sidewalks and rai	mps. Add picnic tables and pet	areas. Additional exterior lighting			
Structure		- · · · · ·						
Water System	0.0	Panlace vaulted toilate						
Overall Health Index Score	9.0	Replace vaulte	d tollets					
	T.		Improvements	S Cost Estimate				
Item Description	Unit	Estimated Unit Price	Proposed Total	Estimated Improvement Cost	Comments			
		(2018)	Quantity	(2018)				
Overall Site Clearing	Acre	\$ 2,200,00	DEMOLIT					
Asphalt Removal	Square Yard	\$ 12.00		\$ -				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	1	\$ -				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,200	\$ 2,400.00	Remove and replace			
Picnic Table and Shelter Removal	Each	\$ 5,000.00	1	\$ -				
Irrigation System Removal	Each	\$ 2,000.00	1	\$ -				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00	molition Items Subtotal	\$ - \$ 2,400,00				
		Dei	nontion items subtotal	\$ 2,400.00				
			IMPROVEN	IENT ITEMS				
PARKING AREA IMPROVEMENTS	1	1	1	I				
Chip Sealing	Square Foot	\$ 0.40		\$ -				
Bituminous Pavement	Square Foot Ton	\$ 1.70 \$ 120.00		\$ - \$				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -				
Concrete Curb & Gutter	Linear Foot	\$ 30.00	240	\$ 7,200.00	Replace with sidewalks			
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with sidewalks			
Signage	Each	\$ 2.50 \$ 750.00						
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -				
SITE IMPROVEMENTS	Lineal Frank	¢ 41.67	240	¢ 10.000.00	Assume all side with is fill wide			
Concrete Sidewaik - 4 Inch General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 41.67 \$ 1.00	240	\$ 10,000.00 \$ -	Assumes all sidewalk is 5' wide			
General Landscaping - Tree Replacement	Each	\$ 400.00	1	\$ -				
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -				
Site Utility - Opgrade Power/phone/cable	Lump Sum	\$ 20,000.00	1	s -				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	1	\$ -				
Picnic Table Replacement/New	Each	\$ 2,500.00	1	\$ 2,500.00	Stand alone picnic table			
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -				
Site Lighting Replacement	Each	\$ 5.000.00	4	\$	Additional exterior lighting			
Site Signage Replacement/New	Each	\$ 750.00	2	\$ 1,500.00	Add directional signage			
Pet Area Replacement/New	Each	\$ 5,000.00	1	\$ 5,000.00				
Flag Pole	Each	\$ 5,000.00						
BUILDING/STRUCTURAL IMPROVEMENTS	1							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -	New building, estimated cost includes structure, electrical, plumbing, etc.			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -				
Building/Structure Minor - Electrical Building/Structure Minor - HVAC	Square Foot	\$ 50.00 \$ 40.00		\$ - \$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -				
Restroom Stalls Replacement	Each	\$ 15.00 \$ 800.00		- د				
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -				
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Sink/Toilet Replacement	Each	\$ 600.00		\$ -	Accurace a double structure			
vauiteu rollet structure kepiacement/New	Eacu	ο ου,υυυ.00	1	÷ 50,000.00	Assumes a double structure			
WASTEWATER SYSTEM IMPROVEMENTS			·	·	·			
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00	·	\$ -				
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		> - ¢				
Pump Station Replacement	Lump Sum	\$ 80.000.00		\$ -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		ş -				
WATER SYSTEM IMPROVEMENTS	1	L	1	l	1			
Public Well Replacement	Lump Sum	\$ 45,000.00		\$-				
Water System Treatment	Lump Sum	\$ 20,000.00	·	\$ -				
Connection to Public Water System	Lump Sum	\$ 10,000.00	1	\$ - \$				
Connection to Public Water System - Public Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -				
	1	IMPROVEN	NENT ITEMS SUBTOTAL	\$ 100,100.00				
	M000		400/	¢ 10.010.00	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION/DEMOB	. 18%	÷ 18,018.00	Included to account for unidentified items including but not limited to BMPs, traffi			
		CONTINCENCE		ć 30.520.50	control, incidental pavement transitional areas, structural elements, public			
		CONTINGENCY	SUBTOTAL	\$ 147.647.50	סטררפורה, מוום טרופר טוומורורוואלפט בטווטונוטווג.			
					-			
	PRELIMINAR	Y ENGINEERING	i 10%	\$ 14,764.75				
	CONSTRUCTION	N ENGINEERING	10%	\$ 14,764.75				
					Indirect costs are not directly associated with the construction of a project but are			
INDIREC	1 COST (IDC) - 0	UNSTRUCTION	10.49%	> 15,488.22 \$ 45.017.72	incurred during the construction process. IDC percentage is subject to change.			
			JUDIOTAL	y 40,017.72	-			

Estimated Total Project Cost \$ 192,665.22

Hysham (East)									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement	12.0								
Site	8.0								
Water	24.7								
Wastewater	14.5	Future groundv	ater discharge permit	ting					
Amenities	4.0								
Overall Health Index Score	= 82.2								
			Improvements	Cost Estimate					
Item Description	Unit	Estimated	Proposed Total	Estimated Improvement	Comments				
item bescription	0	(2018)	Quantity	(2018)	connicito				
			DEMOLITI	ON ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00		\$.	General clearing & grubbing of existing site				
Asphalt Removal	Square Yard	\$ 12.00		\$ -	Estimated removal area limited to RA site only				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		ş .	Estimated removal area limited to RA site only				
Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$. •	Estimated removal area limited to KA site only, assume all walks are 5 wide.				
Picnic Table and Shelter Removal	Each	\$ 5,000,00		s .					
Irrigation System Removal	Each	\$ 2,000.00		\$ -					
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$-					
		Dem	olition Items Subtotal	\$ -					
IMPROVEMENT ITEMS									
PARKING AREA IMPROVEMENTS	Course Co.	¢ 0/7		<u>,</u>					
chip sealing	Square Foot	> 0.40		۰ - د					
Bituminous Pavement	Ton	\$ 120.00		- د	Assumes a full replacement of paved area and hase				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		s -	Based on 18" section under asphalt area				
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -					
ADA Ramps	Each	\$ 1,500.00		\$ -					
Striping	Linear Foot	\$ 2.50		\$ -					
Signage	Each	\$ 750.00		\$ -					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$-					
SITE IMPROVEMENTS		4 44 67							
Concrete Sidewalk - 4 Inch	Lineal Foot	\$ 41.67		\$ -	Assumes all sidewalk is 5' wide				
General Landscaping - Turi/seed/ naruscape	Square Foot	\$ 1.00		\$ -					
General Landscaping - Tree Replacement	Square Foot	\$ 1.00		s -					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$-	Estimates includes picnic table, concrete and shelter				
Picnic Table Replacement/New	Each	\$ 2,500.00		\$-	Stand alone picnic table				
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -					
Bench Replacement/New	Each	\$ 850.00		ş -					
Site Lighting Replacement	Each	\$ 5,000.00		\$ -					
Site Signage Replacement/New	Each	\$ 5,000,00		\$.					
Flag Pole	Each	\$ 5,000.00		Ŷ					
		,							
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$-	New building, estimated cost includes structure, electrical, plumbing, etc.				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Planting Building/Structure Minor - Plant (exterior)	Square Foot	\$ 5.00		\$:					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -					
Restroom Stalls Replacement	Each	\$ 800.00		\$ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/Toilet Replacement	Each	\$ 600.00		s -					
vaurea i olier structure replacement/New	EgCU	ς ου,000.00		- پ					
WASTEWATER SYSTEM IMPROVEMENTS	1	1			L				
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Future groundwater discharge permitting for combined site.				
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -					
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		ş -					
Connection to Public Wastewater System - Manhole	Each	ə 4,500.00		۰ ۲					
WATER SYSTEM IMPROVEMENTS	1	1							
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
L		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 15,000.00	Includer all costs incurred in accombling and transmission materials to the				
	MOBIL 17	ATION/DEMOR	18%	\$ 2.700.00	site.				
	NOBILIZ		1876	- 2,700.00	Included to account for unidentified items including but not limited to BMPs, traffic				
			-		control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25% SURTOTAL	> 4,425.00 \$ 22 125.00	outreach, and other unanticipated conditions.				
			JOBIOTAL	- 22,123.00	-				
	PRELIMINAR	Y ENGINEERING	10%	\$ 2,212.50					
	CONSTRUCTION	NENGINEERING	10%	\$ 2,212.50					
					Indirect costs are not directly associated with the construction of a preiast but ass				
INDIRFO	T COST (IDC) - C	ONSTRUCTION	10.49%	\$ 2,320.91	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 6,745.91					

Estimated Total Project Cost \$ 28,870.91

Hysham (West)										
			Health Sco	oring Index						
Element	Score				Comments					
Pavement	12.0									
Structure	19.0									
Water	23.3									
Wastewater	14.5	Future groundv	vater discharge permit	ting						
Amenities	4.0									
Overall Health Index Sco	re= 80.8									
			Improvement	Cost Estimate						
	1	Estimated	improvements	Estimated Improvement						
Item Description	Unit	Unit Price	Proposed Total Quantity	Cost	Comments					
		(2018)	DEMOLIT	(2018)						
Overall Site Clearing	Acre	\$ 3,300.00	DEWIOLITI	Ś -	General clearing & grubbing of existing site					
Asphalt Removal	Square Yard	\$ 12.00		\$ -	Estimated removal area limited to RA site only					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -	Estimated removal area limited to RA site only					
Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$-	Estimated removal area limited to RA site only, assume all walks are 5' wide.					
Building/Structure Removal	Square Foot	\$ 50.00		\$-						
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -						
Irrigation System Removal	Each	\$ 2,000.00		\$ -						
Sentic System Removal/Abandonment	Each	\$ 5,000.00		s :						
Septe System temoraly Admittantinent	Eddi	5,000.00 Dem	olition Items Subtotal	\$ -						
	IMPROVEMENT ITEMS									
PARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40		\$ -						
Mill & Fill	Square Foot	\$ 1.70		ş -						
Bituminous Pavement	Ton	\$ 120.00		s -	Assumes a rull replacement of paved area and base					
Concrete Curb & Gutter	Linear Fort	\$ 20.00		۰ - د د	based on 10 Section Under asphalt area					
ADA Ramps	Fach	\$ 1,500.00								
Striping	Linear Foot	\$ 2.50		\$ -						
Signage	Each	\$ 750.00		\$ -						
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -						
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -	Assumes all sidewalk is 5' wide					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -						
General Landscaping - Tree Replacement	Each Square Foot	\$ 400.00		\$ ·						
Site Fencing Replacement	Linear Foot	\$ 6.00		s -						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$-	Estimates includes picnic table, concrete and shelter					
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -	Stand alone picnic table					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -						
Bench Replacement/New	Each	\$ 850.00		\$ -						
Site Lighting Replacement	Each	\$ 5,000.00		\$ ·						
Pet Area Replacement/New	Each	\$ 5,000,00		s :						
Flag Pole	Each	\$ 5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS										
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -	New building, estimated cost includes structure, electrical, plumbing, etc.					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -						
Building/Structure Minor - Electrical	Square Foot	\$ 40.00		\$.						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		s .						
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		ş -						
Door/Doorway Replacement	Each	\$ 1,000.00		> -						
Sink/Toilet Replacement	Each	\$ 600.00		- S						
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -	Assumes a double structure					
		,								
WASTEWATER SYSTEM IMPROVEMENTS					·					
Wastewater Groundwater Discharge Permitting	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Future groundwater discharge permitting for combined site.					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		s -						
rump station Replacement	Lump Sum	\$ 10,000.00		۰ - د د						
Connection to Public Wastewater System	Linear Foot	\$ 50.00								
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00		ş -						
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Water System - Piping	Ench	\$ 1,000,00								
connection to Public water System - Valves, bends, etc.	Eduli		ENT ITEMS SUBTOTAL	\$ 15,000,00						
μ				. 13,000.00	Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	\$ 2,700.00	site.					
					control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 4,425.00	outreach, and other unanticipated conditions.					
		-	SUBTOTAL	\$ 22,125.00						
	PRELIMINAR	Y ENGINEERING	10%	\$ 2,212.50						
	CONSTRUCTION	NENGINEERING	10%	ې 2,212.50						
					Indirect costs are not directly associated with the construction of a project but are					
INDIF	ECT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 2,320.91	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	> 6,745.91						

Estimated Total Project Cost \$ 28,870.91

Jefferson City (North)									
	Health Scoring Index								
Element	Score				Comments				
Pavement	8.7	Add 10 stalls of	dd 10 stalls of truck parking, crack and chip seal existing parking and ramps. Restripe						
Site	3.3	Remove and rep Remove and rep	emove and replace sidewalk and picnic shelters						
Water	14.7	System improve	ystem improvements due age						
Wastewater	8.8	Replace drainfie	- teplace drainfield						
Amenities	4.0	Remove and rep	place						
Overall Health Index Score	Overan measure 49.2								
			Improvement	s Cost Estimate					
	1	Estimated	improvement	Estimated Improvement					
Item Description	Unit	Unit Price	Ouantity	Cost	Comments				
	1	(2018)	DEMOLIT	(2018)					
Overall Site Clearing	Acre	\$ 3,300.00	2	\$ 6,600.00	General clearing & grubbing of existing site				
Asphalt Removal	Square Yard	\$ 12.00	2,000	\$ 24,000.00	Estimated removal area limited to RA site only				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	900	\$ 9,000.00	Estimated removal area limited to RA site only				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	4,500	\$ 9,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.				
Picnic Table and Shelter Removal	Fach	\$ 5,000,00	330	\$ 27,300.00	Remove existing				
Irrigation System Removal	Each	\$ 2,000.00	1	\$ 2,000.00	Remove existing				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00	1	\$ 5,000.00	Replace with Level II				
		Dem	olition Items Subtotal	\$ 93,100.00					
			IMDDOVICE	AENT ITEMS					
PARKING AREA IMPROVEMENTS			IMPROVEN						
Chip Sealing	Square Foot	\$ 0.40	160,000	\$ 64,000.00	Parking, ramps & expanded parking area				
Mill & Fill	Square Foot	\$ 1.70		\$ -					
Bituminous Pavement	Ton	\$ 120.00	1,875	\$ 225,000.00	Additional 10 stalls of truck parking, approx. 75,000sf				
Crushed Aggregate Base	Cubic Yard	\$ 60.00	5,556	\$ 333,333.33	Based on 24" section under asphalt area				
Concrete Curb & Gutter	Linear Foot	\$ 30.00	900	\$ 27,000.00	Extend for additional truck parking				
Strining	Linear Foot	\$ 1,500.00 \$ 2.50	2 3,800	\$ 3,000.00	Parking, ramps & expanded parking area				
Signage	Each	\$ 750.00	6	\$ 4,500.00	Additional directional signage				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00	-	\$ -					
SITE IMPROVEMENTS		· · · · ·	0.55		A				
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	900	\$ 37,500.00	Assumes all sidewalk is 5' wide				
General Landscaping - Turr/Seed/Hardscape	Square Foot Each	\$ 400.00	10,000	\$ 10,000.00	Replace construction damaged areas				
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00	10,000	\$ 10,000.00	Replace				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$-					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter				
Picnic Table Replacement/New Waste Recentacle Replacement/New	Each	\$ 2,500.00	2	\$ 5,000.00	Stand alone picnic table Renlace				
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00	6	\$ 30,000.00	Additional lighting for truck parking				
Site Signage Replacement/New	Each	\$ 750.00	6	\$ 4,500.00	Replacement				
Pet Area Replacement/New	Each	\$ 5,000.00	1	\$ 5,000.00	Replacement/New				
Flag Pole	Each	\$ 5,000.00	1	\$ 5,000.00					
Building/Structure Complete Replacement	Square Foot	\$ 450.00	1,500	\$ 675,000.00	New building, estimated cost includes structure, electrical, plumbing, etc.				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	,	\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -					
punung/structure Minor - Paint (exterior) Building/Structure Minor - Roofing	Square Foot	\$ 5.00		s -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -					
Restroom Stalls Replacement	Each	\$ 800.00		\$ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/ Lollet Replacement	Each	\$ 600.00		> -					
vaureu Tollet structure Replacement/New	Each	ຸ ວບ,000.00		- v					
WASTEWATER SYSTEM IMPROVEMENTS	-1	I	L	L	1				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00	1	\$ 30,000.00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Connection to Public Wastewater System	Lunip Sum	\$ 10,000.00		\$					
Connection to Public Wastewater System - High	Each	\$ 4,500.00		\$ -					
WATER SYSTEM IMPROVEMENTS									
Public Well Replacement	Lump Sum	\$ 45,000.00	1	\$ 45,000.00	New Well				
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -					
Connection to Public Water System	Lunip Sum	\$ 10,000.00		s -					
Connection to Public Water System - Valves. Bends etc.	Each	\$ 1,000.00		\$					
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 1,679,333.33					
					Includes all costs incurred in assembling and transporting materials to the work				
	MOBILIZ	ATION/DEMOB.	18%	\$ 302,280.00	site. Included to account for unidentified items including but not limited to BMPs. traffic				
					control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 495,403.33	outreach, and other unanticipated conditions.				
			SUBTOTAL	> 2,477,016.67	-				
	PRELIMINAR	Y ENGINEERING	10%	\$ 247,701.67					
	CONSTRUCTIO	N ENGINEERING	10%	\$ 247,701.67					
					Indirect costs are not directly associated with the construction of a project but				
INDIRE	CT COST (IDC) - (ONSTRUCTION	10.49%	\$ 259,839.05	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 755,242.38					

Estimated Total Project Cost \$ 3,232,259.05

Jefferson City (South)									
				Health Sco	oring Index	•			
Element	6.7	Add	10 stalls of	truck parking, crack and	d chip seal existing parking and i	Comments ramps, Restripe			
Site	3.3	Rem	ove and rep	lace sidewalk and picni	c shelters	and part the set of part			
Structure	8.3	Rem	iemove and replace						
Water Wastewater	16.3	Syste	ystem improvements oue age ienlace drainfield						
Amenities	4.0	Rem	ove and rep	lace					
Overall Health Index Score	47.5								
Improving and Cast Patients									
	1	Es	timated	Improvements	S Cost Estimate				
Item Description	Unit	U	nit Price	Proposed Total Quantity	Estimated Improvement Cost (2018)	Comments			
			(2018)	DEMOLIT		ļ			
Overall Site Clearing	Acre	\$	3,300.00	3	\$ 9,900.00	General clearing & grubbing of existing site			
Asphalt Removal	Square Yard	\$	12.00	2,000	\$ 24,000.00	Estimated removal area limited to RA site only			
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00	320	\$ 3,200.00	Estimated removal area limited to RA site only			
Concrete Sidewalk Removal Building /Structure Removal	Square Foot	Ş	2.00	5,000	\$ 10,000.00 \$ 35,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.			
Picnic Table and Shelter Removal	Each	\$	5,000.00	2	\$ 10,000.00	Remove existing			
Irrigation System Removal	Each	\$	2,000.00	1	\$ 2,000.00	Remove existing			
Well Removal/Abandonment	Each	\$	3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$	5,000.00	1 Indition Itoms Subtotal	\$ 5,000.00	Remove existing and replace with Level II			
			Den	lolition items Subtotal	\$ 99,100.00				
				IMPROVEN	1ENT ITEMS				
PARKING AREA IMPROVEMENTS									
Chip Sealing	Square Foot	\$	0.40	110,000	\$ 44,000.00	Parking, ramps, & expanded area			
rmm ∝ rm	square Foot	\$	1.70		÷ د	Expanded truck parking, approx. 45,000 sf. Assumes a full replacement of naved area			
Bituminous Pavement	Ton	\$	120.00	1,125	\$ 135,000.00	and base			
Crushed Aggregate Base	Cubic Yard	\$	60.00	5,000	\$ 300,000.00	Assume 36" of fill across 45,000 sf expanded parking area			
Loncrete Curb & Gutter ADA Ramps	Linear Foot Each	\$ \$	30.00	600	\$ 18,000.00 \$ 3,000.00	Extend for additional truck parking Remove and replace with ADA compliant			
Striping	Linear Foot	\$	2.50	3,800	\$ 9,500.00	Parking, ramps, & expanded area			
Signage	Each	\$	750.00	12	\$ 9,000.00	Additional directional signage			
Stormwater Culvert - 12 inch	Linear Foot	\$	60.00		\$ -				
Concrete Sidewalk - 4 inch	Lineal Foot	Ś	41.67	1.000	\$ 41.666.67	Assumes all sidewalk is 5' wide			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00	10,000	\$ 10,000.00	Replace construction damaged areas			
General Landscaping - Tree Replacement	Each	\$	400.00	10	\$ 4,000.00	Replace removed			
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00	10,000	\$ 10,000.00	Replace			
Site Fencing Replacement	Linear Foot	Ş	6.00		\$ -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$	50,000.00		\$ -				
Picnic Table Shelters Replacement/New	Each	\$	30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter			
Picnic Table Replacement/New	Each	\$	2,500.00	8	\$ 20,000.00	Stand alone picnic table			
Waste Receptacle Replacement/New	Each	\$	300.00	4	\$ 1,200.00	Replace			
Site Lighting Replacement	Each	Ş	5 000 00	2	\$ 1,700.00	Replace with ADA compliant Replace and add lighting for truck parking			
Site Signage Replacement/New	Each	\$	750.00	4	\$ 3,000.00	Replacement			
Pet Area Replacement/New	Each	\$	5,000.00	1	\$ 5,000.00	Replacement/New			
Flag Pole	Each	\$	5,000.00	1	\$ 5,000.00				
Building/Structure Complete Replacement	Square Foot	Ś	450.00	1 500	\$ 675,000,00	New building, estimated cost includes structure, electrical, plumbing, etc.			
Building/Structure Minor - Floor, tile, paint	Square Foot	\$	10.00	-,	\$ -	, second a second second provide second provide second provide second se			
Building/Structure Minor - Electrical	Square Foot	\$	50.00		\$ -				
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ \$	50.00		> - \$				
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$ -				
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$ -				
Restroom Stalls Replacement	Each	\$	800.00		\$ -				
Door/Doorway Replacement	Each	Ş	1,000.00		\$ -				
Sink/Toilet Replacement	Each	\$	600.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$	50,000.00		\$ -				
	1		-						
WASTEWATER SYSTEM IMPROVEMENTS	turn C	6	15 000 0-		ć	[
Pressure Dose System Replacement	Lump Sum	\$ \$	15,000.00	1	> - \$ 30.000.00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site			
Level II Treatment System Replacement/Install	Lump Sum	\$ 2	250,000.00	-	\$ -	Contraction of contraction of the product of the of the off and			
Pump Station Replacement	Lump Sum	\$	80,000.00		\$ -				
Connection to Public Wastewater System	Lump Sum	\$	10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ ¢	50.00		5 - ¢				
Connection to Public Wastewater System - Mannole	Each	>	4,500.00		÷ -				
WATER SYSTEM IMPROVEMENTS						+			
Public Well Replacement	Lump Sum	\$	45,000.00	1	\$ 45,000.00	New well			
Water System Treatment	Lump Sum	\$	20,000.00		\$ -				
Connection to Public Water System	Lump Sum	Ş	10,000.00		s -				
Connection to Public Water System - Piping Connection to Public Water System - Valves. Bends. etc.	Each	ş	1,000.00		s -				
the second s		Ľ,	MPROVEM	ENT ITEMS SUBTOTAL	\$ 1,639,166.67				
	MOBILI	ZATIO	N/DEMOB.	18%	\$ 295,050.00	Includes all costs incurred in assembling and transporting materials to the work site. Included to account for unidentified items including but not limited to BMPs, traffic			
						control, incidental pavement transitional areas, structural elements, public outreach,			
		CON	IINGENCY	25%	\$ 483,554.17	and other unanticipated conditions.			
				SUBTOTAL	× 2,417,770.83	-			
	PRELIMINAR	RYEN	GINEERING	10%	\$ 241,777.08				
	CONSTRUCTIO	IN ENG	GINEERING	10%	\$ 241,777.08				
						Indirect costs are not directly associated with the construction of a project but are			
INDIREC	T COST (IDC) -	CONS	TRUCTION	10.49%	\$ 253,624.16	incurred during the construction process. IDC percentage is subject to change.			
				SUBTOTAL	\$ 737,178.33				

Estimated Total Project Cost \$ 3,154,949.16

Lima								
			Health Sco	oring Index				
Element	Score				Comments			
Pavement	12.3	Increase oversiz	e parking by 5 stalls; c	hipseal and restripe pavement				
Structure	6.0	Nemove and rep	emove and replace non-compitant ADA sidewark and ramps					
Water	26.0							
Wastewater	15.5	Future groundw	Future groundwater discharge permitting					
Amenities	4.0							
Overall Health Index Score= 80.8								
			Improvements	Cost Estimate				
	1	Estimated	improvements	Estimated Improvement				
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments			
	<u> </u>	(2018)	Quantity	(2018)				
Querall Site Clearing	Acro	\$ 2,200,00	DEMOLITI	6 1 220 00	General clearing & grubbing of existing site for expanded parking			
Asphalt Removal	Square Yard	\$ 3,300.00 \$ 12.00	0	\$ 1,320.00 \$ -	deneral clearing & grubbing of existing site for expanded parking			
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		ş -				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,500	\$ 3,000.00	Remove and replace			
Building/Structure Removal	Square Foot	\$ 50.00		\$ -				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -				
Irrigation System Removal	Each	\$ 2,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00		s -				
		Dem	olition Items Subtotal	\$ 4,320.00				
			IMPROVEN	IENT ITEMS				
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40	153,000	\$ 61,200.00	chipseal parkin area and expanded area			
NIII & FII Bituminous Pavement	Square Foot	> 1.70 \$ 120.00	400	>	Add approx. 16,000 sf for oversize parking			
Crushed Aggregate Base	Cubic Yard	\$ 60.00	889	\$ 53.333.33	Based on 18" section under asphalt area			
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -	· · · · · · · · · · · · · · · · · · ·			
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant			
Striping	Linear Foot	\$ 2.50	3,420	\$ 8,550.00	restriping			
Signage	Each	\$ 750.00	4	\$ 3,000.00	Add signage			
Stormwater cuivert - 12 Inch	Linear Foot	\$ 60.00		\$ -				
SITE IMPROVEMENTS								
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	300	\$ 12,500.00	Replace with ADA compliant			
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	2,000	\$ 2,000.00	re-seeding disturbed area			
General Landscaping - Tree Replacement	Each	\$ 400.00	10	\$ 4,000.00	Additional trees			
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		s -				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -				
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -				
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -				
Bench Replacement/New	Each	\$ 850.00		\$ -	A FIRST AND A STREET AND A STREET			
Site Lighting Replacement	Each	\$ 5,000.00	ь	\$ 30,000.00	Add lighting to expanded area			
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -				
Flag Pole	Each	\$ 5,000.00						
BUILDING/STRUCTURAL IMPROVEMENTS	-							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 50.00		\$:				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		ş -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		ş -				
punung/structure Minor - Exterior Siding Restroom Stalls Replacement	Square Foot	> 15.00 \$ 800.00		s -				
Door/Doorway Replacement	Each	\$ 1,000.00		s -				
Drinking Fountain Replacement	Each	\$ 800.00		\$ -				
Sink/Toilet Replacement	Each	\$ 600.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -				
WASTEWATER SYSTEM IMPROVEMENTS	Lumo Cuer	\$ 15,000,00	1	\$ 15 000 00	Future groundwater discharge permitting			
Pressure Dose System Replacement	Lump Sum	\$ 30,000,00	1	ې 15,000.00 ۲ -	i uture groundwater discharge permitting.			
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -				
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -				
WATER SYSTEM IMPROVEMENTS	1	İ.			I			
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -				
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -				
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		ş -				
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		s -				
L		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 244,903.33	Includes all costs incurred in assembling and transporting materials to the work			
	MOBILIZ	ATION/DEMOB.	18%	\$ 44,082.60	site.			
	-	-			Included to account for unidentified items including but not limited to BMPs, traffic control incidental payement transitional areas, structural elements, subli-			
		CONTINGENCY	25%	\$ 72,246.48	outreach, and other unanticipated conditions.			
			SUBTOTAL	\$ 361,232.42	-			
	PRELIMINAR	Y ENGINEERING	10%	\$ 36,123.24				
	CONSTRUCTIO	NENGINEERING	10%	ə 36,123.24				
					Indirect costs are not directly associated with the construction of a project but are			
INDIRE	CT COST (IDC) - 0	CONSTRUCTION	10.49%	\$ 37,893.28	incurred during the construction process. IDC percentage is subject to change.			
			SUBTOTAL	\$ 110,139.76				

Estimated Total Project Cost \$ 471,372.18

Livingston (East) PA								
		-		Health Sco	ori	ng Index	Common to	
Element Pavement	Score 3.0	Res	tripe				comments	
Site	6.0	Exte	erior lighting	improvements, sidewa	alks	s and ramps		
Structure Water System	2.0							
Vaulted Toilets	0.0	Rep	Replace damaged vaulted toilet					
Overall Health Index Score=	12.0							
				Improvements	: (ost Estimate		
	1	E	stimated	Bronosed Total		stimated Improvement Cost		
Item Description	Unit	L	Init Price (2018)	Quantity	E3	(2018)	Comments	
			(2010)	DEMOLITI	ION	ITEMS		
Overall Site Clearing	Acre	\$ ¢	3,300.00		\$ ¢			
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00		\$	-		
Concrete Sidewalk Removal	Square Foot	\$	2.00	1,100	\$	2,200.00	Remove and replace	
Building/Structure Removal Picnic Table and Shelter Removal	Square Foot Each	Ş S	50.00		Ş	-		
Irrigation System Removal	Each	\$	2,000.00		\$	-		
Well Removal/Abandonment	Each	\$	3,000.00		\$			
Septic System Removal/Abandonment	Each	Ş	5,000.00 Dem	olition Items Subtotal	\$ \$	2.200.00		
					Ŧ			
				IMPROVEM	/EN	NT ITEMS		
PARKING AREA IMPROVEMENTS Chin Sealing	Square Foot	s	0.40		Ś			
Mill & Fill	Square Foot	\$	1.70		\$			
Bituminous Pavement	Ton	\$	120.00		\$	-		
crusneu Aggregate Base Concrete Curb & Gutter	Linear Foot	\$ \$	60.00 30.00		\$ \$			
ADA Ramps	Each	\$	1,500.00	2	\$	3,000.00	Replace with ADA compliant	
Striping	Linear Foot	\$	2.50	2,400	\$	6,000.00	Restripe	
Stormwater Culvert - 12 inch	Linear Foot	> \$	750.00 60.00	2	ې \$	1,500.00	Directional signage	
SITE IMPROVEMENTS	Lineal Foot	ć	41.67	320	ć	0 166 67	Peoloso with ADA compliant	
General Landscaping - Turf/Seed/Hardscape	Square Foot	> \$	41.67	220	\$ \$	9,100.67		
General Landscaping - Tree Replacement	Each	\$	400.00		\$			
General Landscaping - Irrigation System Replacement	Square Foot	\$ ¢	1.00		\$ ¢			
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$	20,000.00		ې \$	-		
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$	50,000.00		\$	-		
Picnic Table Shelters Replacement/New Picnic Table Replacement/New	Each	\$	30,000.00	1	\$	- 2.500.00	Add picnic table	
Waste Receptacle Replacement/New	Each	\$	300.00	-	\$	-		
Bench Replacement/New	Each	\$	850.00		\$	-		
Site Lighting Replacement Site Signage Replacement/New	Each	Ş	5,000.00	8	Ş	40,000.00	Improve site lighting	
Pet Area Replacement/New	Each	\$	5,000.00		\$			
Flag Pole	Each	\$	5,000.00					
BUILDING/STRUCTURAL IMPROVEMENTS								
Building/Structure Complete Replacement	Square Foot	\$	450.00		\$	-		
Building/Structure Minor - Floor, tile, paint	Square Foot	\$	10.00		\$			
Building/Structure Minor - Electrical Building/Structure Minor - HVAC	Square Foot	\$ \$	40.00		\$ \$			
Building/Structure Minor - Plumbing	Square Foot	\$	50.00		\$			
Building/Structure Minor - Paint (exterior) Building/Structure Minor - Roofing	Square Foot	\$ ¢	5.00		\$ ¢	-		
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$			
Restroom Stalls Replacement	Each	\$	800.00		\$			
Door/Doorway Replacement Drinking Fountain Replacement	Each	\$ ¢	1,000.00		\$ ¢			
Sink/Toilet Replacement	Each	\$	600.00		ر \$			
Vaulted Toilet Structure Replacement/New	Each	\$	50,000.00	1	\$	50,000.00	Assumes a double structure	
WASTEWATER SYSTEM IMPROVEMENTS	1				L			
Conventional Gravity System Replacement	Lump Sum	\$	15,000.00		\$	-		
Pressure Dose System Replacement	Lump Sum	\$	30,000.00		\$	-		
Lever IT Treatment System Replacement/Install Pump Station Replacement	Lump Sum	ş	250,000.00 80,000.00		ş			
Connection to Public Wastewater System	Lump Sum	\$	10,000.00		\$	-		
Connection to Public Wastewater System - Piping	Linear Foot	\$	50.00		\$			
Connection to Public Wastewater System - Mannole	Each	Ş	4,500.00		Ş	-		
WATER SYSTEM IMPROVEMENTS								
Public Well Replacement	Lump Sum	\$ ¢	45,000.00		\$ ¢			
Connection to Public Water System	Lump Sum	\$ \$	10,000.00		\$ \$			
Connection to Public Water System - Piping	Linear Foot	\$	65.00		\$			
Connection to Public Water System - Valves, Bends, etc.	Each	\$	1,000.00		\$			
			IMPROVEM	ENTITEMS SUBTOTAL	Ş	114,366.67	Includes all costs incurred in assembling and transporting materials to the work	
	MOBILIZ	ATIC	N/DEMOB.	18%	\$	20,586.00	site.	
							control, incidental pavement transitional areas, structural elements, public	
		COI	NTINGENCY	25% SUBTOTAL	\$ \$	33,738.17	outreacn, and other unanticipated conditions.	
					-			
	PRELIMINAR	YEN	GINEERING	10%	\$	16,869.08		
(LUNSTKUCTION	NEN	GINEEKING	10%	Ş	16,869.08		
INDIRECT	r cost (IDC) - (CON	STRUCTION	10.49%	\$	17,695.67	Indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change.	
	,			SUBTOTAL	\$	51,433.84	- · · · · · · · · · · · · · · · · · · ·	

Estimated Total Project Cost \$ 220,124.67

			Health See	(G PA)	
Element	Score		Health Sco	anng muex	Comments
Pavement	1.5	Mill & fill parkir	ng areas and access roa	d	
Site	4.5	Replace sidewa	lks and lighting		
Water System	3.0	Replace well			
Vaulted Toilets	2.5				
Overall Health Index Score	= 11.5				
			Improvements	Cost Estimate	
	1	Estimated	Descond Total	Cost Estimate	
Item Description	Unit	Unit Price	Quantity	(2018)	Comments
	1	(2018)	DEMOLITI	ON ITEMS	
Overall Site Clearing	Acre	\$ 3,300.00		\$ -	
Asphalt Removal	Square Yard	\$ 12.00		\$ -	
Concrete Curb & Gutter Removal Concrete Sidewalk Removal	Square Foot	\$ 10.00	600	\$ - \$ 1.200.00	Remove and replace
Building/Structure Removal	Square Foot	\$ 50.00		\$ -	
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -	
Irrigation System Removal Well Removal/Abandonment	Each	\$ 2,000.00		\$ -	
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -	
	1	Den	nolition Items Subtotal	\$ 1,200.00	
			IMPROVEN	IENT ITEMS	
	Square Foot	\$ 0.40		\$ -	
Mill & Fill	Square Foot	\$ 1.70	74,000	\$ 125,800.00	Mill and replace asphalt, assume a 2" asphalt layer
Bituminous Pavement	Ton	\$ 120.00		\$ -	
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -	
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with ADA compliant
Striping	Linear Foot	\$ 2.50	2,400	\$ 6,000.00	Restriping
Signage	Each	\$ 750.00	2	\$ 1,500.00	Directional signage
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		ş -	
SITE IMPROVEMENTS					
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	300	\$ 12,500.00	Assumes all sidewalk is 5' wide
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -	
General Landscaping - Tree Replacement General Landscaping - Irrigation System Replacement	Each Square Foot	\$ 400.00		s - s -	
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -	
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -	
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -	
Picnic Table Sherters Replacement/New Picnic Table Replacement/New	Each	\$ 2,500.00	1	\$ 2.500.00	Stand alone picnic table
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -	
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700.00	Replace with ADA compliant
Site Lighting Replacement	Each	\$ 5,000.00	8	\$ 40,000.00	Replace and increase site lighting
Pet Area Replacement/New	Each	\$ 5,000.00		ş -	
Flag Pole	Each	\$ 5,000.00			
BUILDING/STRUCTURAL IMPROVEMENTS Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -	
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -	
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -	
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -	
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -	
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -	
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -	
Restroom Stalls Replacement Door/Doorway Replacement	Each	\$ 800.00		\$ - \$ -	
Drinking Fountain Replacement	Each	\$ 800.00		\$ -	
Sink/Toilet Replacement	Each	\$ 600.00		\$ -	
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -	
WASTEWATER SYSTEM IMPROVEMENTS	1	[1		
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -	
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -	
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ - ¢	
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ - \$ -	
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -	
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -	
WATER SYSTEM IMPROVEMENTS					
Public Well Replacement	Lump Sum	\$ 45,000.00	1	\$ 45,000.00	Replace well
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -	
Connection to Public Water System	Lump Sum	\$ 10,000.00		ş -	
Connection to Public Water System - Piping	Einear Foot	\$ 1000.00		، -	
connection to Fubic water system - valves, bends, etc.	Lacii	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 237.700.00	
					Includes all costs incurred in assembling and transporting materials to the work
	MOBILIZ	A FION/DEMOB.	18%	> 42,786.00	site. Included to account for unidentified items including but not limited to BMPs, traffic
		CONTINCEN		¢ 70.404.50	control, incidental pavement transitional areas, structural elements, public
		CONTINGENCY	SUBTOTAL	\$ 350.607.50	ourreach, and other unanticipated conditions.
				,,,,,,,,,,,,	-
	PRELIMINAR	Y ENGINEERING	10%	\$ 35,060.75	
	CONSTRUCTION	N ENGINEERING	10%	\$ 35,060.75	
	T (0(T ()	ONETRICE	40.40**	¢	Indirect costs are not directly associated with the construction of a project but are
INDIREC	., cosi (iDC) - (JUNGTRUCTION	SUBTOTAL	\$ 106,900.23	meaned during the construction process, the percentage is subject to change.
					-

Estimated Total Project Cost \$ 457,507.73

Lost Trail Pass										
			Health Sco	oring Index						
Element	Score	Chinseal narkin	g lot and access roads		Comments					
Site	4.7	Lighting improv	ighting improvements, sidewalk replacement							
Structure	14.3	Minor lighting i	linor lighting improvements							
Water	16.3	System improve Gravity drainfig	ystem improvements due to aging system							
Amenities	14.2	Gravity Grainine	iu replacement							
Overall Health Index Scor	e= 69.2									
		Fatimated	Improvements	Cost Estimate	1					
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments					
		(2018)	Quantity	(2018)						
Overall Site Clearing	Acre	\$ 3,300,00	DEMOLITI	ON ITEMS						
Asphalt Removal	Square Yard	\$ 12.00		ş -						
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$-						
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,300	\$ 2,600.00	Remove and replace					
Building/Structure Removal	Square Foot Each	\$ 50.00		\$ - \$						
Irrigation System Removal	Each	\$ 2,000.00		\$ -						
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -						
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
		Dem	olition Items Subtotal	\$ 2,600.00						
			IMPROVEN	IENT ITEMS						
PARKING AREA IMPROVEMENTS										
Chip Sealing	Square Foot	\$ 0.40	77,000	\$ 30,800.00	Parking and access road					
Mill & Fill Bituminous Pavement	Square Foot	\$ 1.70		<u>s</u> -						
Crushed Aggregate Base	Cubic Yard	\$ 60.00		s -						
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$						
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant					
Striping	Linear Foot	\$ 2.50	1,900	\$ 4,750.00	Restriping					
Signage Stormwater Culvert - 12 inch	Each Linear Foot	\$ 750.00 \$ 60.00		s -						
				· · · · · · · · · · · · · · · · · · ·						
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67		\$ -						
General Landscaping - Tree Replacement	Each	\$ 1.00		s -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -						
Site Utility - Replace Propane Storage Tanks Picnic Table Shelters Replacement/New	Eump Sum Fach	\$ 30,000.00		\$ -						
Picnic Table Replacement/New	Each	\$ 2,500.00		ş -						
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -						
Bench Replacement/New	Each	\$ 850.00	1	\$ 850.00	Replace with ADA compliant					
Site Lighting Replacement Site Signage Replacement/New	Each	\$ 5,000.00	4	\$ 20,000.00	Additional exterior lighting					
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -						
Flag Pole	Each	\$ 5,000.00								
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -						
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	200	\$ 10,000.00	Building lighting improvements					
Building/Structure Minor - HVAC Building/Structure Minor - Plumbing	Square Foot	\$ 40.00		\$ - \$						
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$-						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$ - \$						
Drinking Fountain Replacement	Each	\$ 800.00		\$ -						
Sink/Toilet Replacement	Each	\$ 600.00		\$-						
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -						
WASTEWATER SYSTEM IMPROVEMENTS	1	1			1					
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00	1	\$ 15,000.00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ - ¢						
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		- د -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
WATER SYSTEM IMPROVEMENTS	1									
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	System improvements, new pump, storage, piping, etc.					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Water System - Piping	Each	> 65.00 \$ 1,000.00		s -						
	-001	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 107,000.00	<u> </u>					
	MODIN	ATION/DEMOD	100/	\$ 10.250.00	Includes all costs incurred in assembling and transporting materials to the work					
	WUDILIZ	CONTRACTOR OF THE OTHER	18%	÷ 19,200.00	Included to account for unidentified items including but not limited to BMPs, traffic					
		CONTINGENCY	25%	\$ 31 565 00	control, incidental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions					
			SUBTOTAL	\$ 157,825.00	, sector enterprese enterfille.					
	005									
	CONSTRUCTION	T ENGINEERING	10%	> 15,782.50 \$ 15.787.50						
			2070							
INDIRI	ECT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 16,555.84	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 48,120.84	-					

Estimated Total Project Cost \$ 205,945.84

				Lyon's Creel	k ((North) PA	
				Health Sco	ori	ing Index	
Element	Score	Chi	seal 9	ine rames and and i			Comments
Site	3.5	Add	site lighting	and picnic table, repla	an ace	e sidewalk	
Structure							
Water System Vaulted Toilets	0.0	No	water at site				
Overall Health Index Score=	8.0						
		E	stimated	Improvements	s (Lost Estimate	
Item Description	Unit	U	nit Price	Proposed Total Quantity	E	stimated Improvement Cost (2018)	Comments
		-	(2018)	DEMOLITI	ION	NITEMS	
Overall Site Clearing	Acre	\$	3,300.00		\$		
Asphalt Removal	Square Yard	\$ ¢	12.00		\$ ¢		
Concrete Sidewalk Removal	Square Foot	\$	2.00	900	\$	1,800.00	Remove and replace
Building/Structure Removal	Square Foot	\$	50.00		\$	-	
Picnic Table and Shelter Removal	Each	Ş	5,000.00		Ş		
Well Removal/Abandonment	Each	\$	3,000.00		\$		
Septic System Removal/Abandonment	Each	\$	5,000.00		\$	-	
			Dem	olition Items Subtotal	\$	1,800.00	
				IMPROVEM	/EN	NT ITEMS	
PARKING AREA IMPROVEMENTS	1				r –		
Chip Sealing	Square Foot	\$ ¢	0.40	40,000	\$ ¢	16,000.00	Chipseal ramps and parking
Bituminous Pavement	Ton	Ş	120.00		\$		
Crushed Aggregate Base	Cubic Yard	\$	60.00		\$		
Concrete Curb & Gutter	Linear Foot	\$ ¢	30.00	180	\$ ¢	5,400.00	Replace with sidewalk Replace with ADA compliant
Striping	Linear Foot	ې \$	2.50	2,500	ډ \$	6,250.00	Restriping
Signage	Each	\$	750.00		\$		
Stormwater Culvert - 12 inch	Linear Foot	\$	60.00		\$		
	I				I		
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	180	\$	7,500.00	Replace with ADA compliant
General Landscaping - Turf/Seed/Hardscape	Square Foot	ş	1.00		Ş		
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00		\$		
Site Fencing Replacement	Linear Foot	\$	6.00		\$		
Site Utility - Upgrade Power/phone/cable Site Utility - Replace Propage Storage Tanks	Lump Sum	\$ \$	20,000.00	1	\$ \$	20,000.00	Install electricity for site lighting
Picnic Table Shelters Replacement/New	Each	\$	30,000.00		\$		
Picnic Table Replacement/New	Each	\$	2,500.00	2	\$	5,000.00	Stand alone picnic table
Waste Receptacle Replacement/New Rench Replacement/New	Each	ş	300.00		Ş		
Site Lighting Replacement	Each	\$	5,000.00	3	\$	15,000.00	Site lighting
Site Signage Replacement/New	Each	\$	750.00		\$	-	
Pet Area Replacement/New Flag Pole	Each	Ş	5,000.00		Ş	-	
			.,				
BUILDING/STRUCTURAL IMPROVEMENTS	Courses Frank	6	450.00		6		l
Building/Structure Complete Replacement Building/Structure Minor - Floor, tile, paint	Square Foot	ş Ş	450.00		\$ \$		
Building/Structure Minor - Electrical	Square Foot	\$	50.00		\$	-	
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$		
Building/Structure Minor - Plumbing Building/Structure Minor - Paint (exterior)	Square Foot	ې \$	5.00		\$ \$		
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$		
Building/Structure Minor - Exterior Siding	Square Foot	\$	15.00		\$		
Door/Doorway Replacement	Each	> \$	1,000.00		\$ \$		
Drinking Fountain Replacement	Each	\$	800.00		\$		
Sink/Toilet Replacement	Each	\$ ¢	600.00		\$ ¢		
valited foliet structure replacement/new	Eduli	Ş	30,000.00		Ş		
WASTEWATER SYSTEM IMPROVEMENTS	·				1		
Conventional Gravity System Replacement Pressure Dose System Replacement	Lump Sum	\$	15,000.00		\$	-	
Level II Treatment System Replacement/Install	Lump Sum	\$:	250,000.00		\$		
Pump Station Replacement	Lump Sum	\$	80,000.00		\$		
Connection to Public Wastewater System	Lump Sum	Ş ¢	10,000.00		\$ ¢		
Connection to Public Wastewater System - Manhole	Each	Ş	4,500.00		ډ \$		
WATER SYSTEM IMPROVEMENTS Public Well Replacement	Lump Sum	\$	45,000.00		Ŝ		
Water System Treatment	Lump Sum	\$	20,000.00		\$		
Connection to Public Water System	Lump Sum	\$	10,000.00		\$		
Connection to Public Water System - Piping Connection to Public Water System - Valves. Rends. etc.	Linear Foot Each	ş S	65.00 1,000.00		Ş		
			IMPROVEM	ENT ITEMS SUBTOTAL	\$	78,450.00	
	MORILIZ	ΔΤΙΟ		18%	¢	14 121 00	Includes all costs incurred in assembling and transporting materials to the work site
	MODIELE				-		Included to account for unidentified items including but not limited to BMPs, traffic
		CON	NTINGENCY	25%	\$	23,142.75	outreach, and other unanticipated conditions.
		-		SUBTOTAL	\$	115,713.75	
	PRELIMINAR	Y EN	GINEERING	10%	\$	11,571.38	
0	CONSTRUCTION	N EN	GINEERING	10%	\$	11,571.38	
							Indirect costs are not directly associated with the construction of a project but are
INDIRECT	COST (IDC) - C	ONS	STRUCTION	10.49%	\$	12,138.37	incurred during the construction process. IDC percentage is subject to change.
				SUBTOTAL	\$	35,281.12	

Estimated Total Project Cost \$ 150,994.87

			Health Sco	ring Index	
Flamout.	6	-	Health Sco	oring index	Commonts
Pavement	2.0	Chipseal & rest	ripe ramps and parking	area	comments
Site	3.5	Add site lightin	g and picnic table, repla	ace sidewalk	
Structure			8 F,F		
Water System	0.0	No water at site	2		
Vaulted Toilets	2.5				
Overall Health Index Score	= 8.0				
			Improvements	S Cost Estimate	
them Description	11-14	Estimated	Proposed Total	Estimated Improvement Cost	C
Item Description	Unit	(2018)	Quantity	(2018)	Comments
			DEMOLITI	ON ITEMS	•
Overall Site Clearing	Acre	\$ 3,300.00		\$-	
Asphalt Removal	Square Yard	\$ 12.00		\$-	
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -	
Concrete Sidewalk Removal	Square Foot	\$ 2.00	900	\$ 1,800.00	Remove and replace
Building/Structure Removal	Square Foot	\$ 50.00		\$ •	
Irrigation System Removal	Each	\$ 2,000,00		s -	
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -	
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -	
		Den	nolition Items Subtotal	\$ 1,800.00	
			IMPROVEN	1ENT ITEMS	
PARKING AREA IMPROVEMENTS					
Chip Sealing	Square Foot	\$ 0.40	45,000	\$ 18,000.00	Chipseal ramps and parking
Mill & Fill	Square Foot	\$ 1.70		ş -	
Crushed Aggregate Pace	Lon Cubic Yeard	\$ 120.00		ə -	
Concrete Curb & Gutter	Linear Foot	> 60.00	180	> - \$ 5,400,00	Replace with sidewalk
ADA Ramps	Fach	\$ 1.500.00	1	\$ 1500.00	Replace with ADA compliant
Striping	Linear Foot	\$ 2.50	3,500	\$ 8,750.00	Restriping
Signage	Each	\$ 750.00	.,	\$ -	
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -	
SITE IMPROVEMENTS					
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	180	\$ 7,500.00	Replace with ADA compliant
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -	
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -	
General Landscaping - Imgation System Replacement	Square Foot	\$ 6.00		\$ •	
Site Litility - Llograde Power/phone/cable	Lumn Sum	\$ 20,000,00	1	\$ 20,000,00	Install electricity for site lighting
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00	1	\$	
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -	
Picnic Table Replacement/New	Each	\$ 2,500.00	2	\$ 5,000.00	Stand alone picnic table
Waste Receptacle Replacement/New	Each	\$ 300.00		\$-	
Bench Replacement/New	Each	\$ 850.00		\$-	
Site Lighting Replacement	Each	\$ 5,000.00	4	\$ 20,000.00	Site lighting
Site Signage Replacement/New	Each	\$ 750.00		\$ -	
Pet Area Replacement/New	Each	\$ 5,000.00		ş -	
Flag Pole	Each	\$ 5,000.00			
Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -	
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -	
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -	
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$-	
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$-	
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -	
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -	
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		> -	
Restroom Stalls Replacement	Each	\$ 800.00		\$ -	
Drinking Fountain Replacement	Fach	\$ 200.00		- -	
Sink/Toilet Replacement	Each	\$ 600.00		s -	
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -	
		,			
WASTEWATER SYSTEM IMPROVEMENTS					
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -	
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -	
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		ş -	
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -	
Connection to Public Wastewater System	Linear Foot	\$ ±0,000.00			
Connection to Public Wastewater System - Piping	Each	\$ 4.500.00		s -	
in the construction of the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory action in the manufactory actio		, .,			
WATER SYSTEM IMPROVEMENTS					
Public Well Replacement	Lump Sum	\$ 45,000.00		\$-	
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -	
Connection to Public Water System	Lump Sum	\$ 10,000.00		ş -	
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		ş -	
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$	
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 87,950.00	Includes all costs incurred in assembling and transporting materials to the work
	MOBILIZ	ATION/DEMOB.	18%	\$ 15,831.00	site. Included to account for unidentified items including but not limited to RMPs traffic
					control, incidental pavement transitional areas, structural elements, public
		CONTINGENCY	25%	\$ 25,945.25	outreach, and other unanticipated conditions.
			SUBTOTAL	\$ 129,726.25	-
			100/	¢ 13.073.03	
	CONSTRUCTION		10%	\$ 12,572.03	
	-5.15.1.001101		10%	- 12,572.05	
					Indirect costs are not directly associated with the construction of a project but are
INDIREC	LI COST (IDC) - C	LONSTRUCTION	10.49%	> 13,608.28	incurred during the construction process. IDC percentage is subject to change.
			SOBIOIAL	- 39,553.53	_

Estimated Total Project Cost \$ 169,279.78

Mosby									
			Health Sco	oring Index					
Element	Score				Comments				
Pavement	9.7	Crack and chip	eal, restripe						
Site	4.7	Replace non-co	leplace non-compliant ADA sidewalk and ramps						
Structure	12.3	Increase canacit	processe capacity and storage						
Wastewater	8.7	System improve	ments						
Amenities	4.0								
Overall Health Index Score	51.3								
			Improvements	Cost Estimate					
		Estimated	Proposed Total	Estimated Improvement	A				
Item Description	Unit	(2018)	Quantity	(2018)	Comments				
		(2020)	DEMOLITI	ON ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00		\$-					
Asphalt Removal	Square Yard	\$ 12.00		\$-					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	2,500	\$ 5,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.				
Building/structure Removal	Square Foot	\$ 50.00		\$ - ¢					
Irrigation System Removal	Each	\$ 2,000.00		\$.					
Well Removal/Abandonment	Each	\$ 3.000.00		s -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -					
		Dem	olition Items Subtotal	\$ 5,000.00					
			IMPROVEN	IENT ITEMS					
PARKING AREA IMPROVEMENTS									
Chip Sealing	Square Foot	\$ 0.40	154,000	\$ 61,600.00	Parking and ramps				
Mill & Fill Ritumingur, Rayomont	Square Foot	\$ 1.70		s -					
Crushed Aggregate Base	Cubic Vaci	\$ 120.00		۰ - د د					
Concrete Curb & Gutter	Linear Foot	\$ 30.00							
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50	1,000	\$ 2,500.00	Parking and ramps				
Signage	Each	\$ 750.00	3	\$ 2,250.00	New directional signage				
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -					
SITE IMPROVEMENTS									
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	500	\$ 20,833.33	Assumes all sidewalk is 5' wide				
General Landscaping - Turt/Seed/Hardscape	Square Foot	\$ 1.00		\$ -					
General Landscaping - Tree Replacement	Each Square Foot	\$ 400.00		\$.					
Site Fencing Replacement	Linear Foot	\$ 6.00		s .					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -					
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -					
Picnic Table Replacement/New	Each	\$ 2,500.00		\$-					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -					
Bench Replacement/New	Each	\$ 850.00	4	\$ 3,400.00	Replace with ADA compliant				
Site Lighting Replacement	Each	\$ 5,000.00		\$ -					
Site Signage Replacement/New	Each	\$ 5,000,00		s -					
Flag Pole	Each	\$ 5,000.00		2					
		+ 0,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$-					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	150	\$ 7,500.00	Update interior lighting and ventilation				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -					
Building/Structure Minor - Plumbing Building/Structure Minor - Baint (actorion)	Square Foot	\$ 50.00		\$ -					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		s -					
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -					
Restroom Stalls Replacement	Each	\$ 800.00		\$ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00		\$ -					
Sink/Toilet Replacement	Each	\$ 600.00		ş -					
vaulteu i ollet Structure Keplacement/New	Each	ə 50,000.00		۰ ۲					
WASTEWATER SYSTEM IMPROVEMENTS	1	I			1				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -	Inclusive of drainfield & tank(s) - Assumes replacement area on-site				
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -	· · · · · · · · · · · · · · · · · · ·				
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -					
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Minor System Improvements	Lump Sum	\$ 8,000.00	1	\$ 8,000.00	System improvements: filters, cleaning, etc.				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -					
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		ş -					
WATER SYSTEM IMPROVEMENTS	I								
Public Well Replacement	Lumn Sum	\$ 45,000,00		s -					
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	Increase capacity and storage				
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -					
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 132,583.33					
	MODELT		1000	¢ 33.665.00	Includes all costs incurred in assembling and transporting materials to the work				
	NUBILIZ	A TIONY DEMUB.	18%	÷ 23,865.00	Included to account for unidentified items including but not limited to BMPs, traffic				
					control, incidental pavement transitional areas, structural elements, public				
		CONTINGENCY	25%	\$ 39,112.08	outreach, and other unanticipated conditions.				
			SUBTOTAL	ə 195,560.42	-				
	PRELIMINAR	Y ENGINEERING	10%	\$ 19.556.04					
	CONSTRUCTIO	N ENGINEERING	10%	\$ 19,556.04					
					to the second second second second second second second second second second second second second second second				
NIDIOT		ONSTRUCTION	10.49%	\$ 20 514 20	indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change				
INDIREC			SUBTOTAL	\$ 59,626.37	o contraction of the second state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the sta				

Estimated Total Project Cost \$ 255,186.79

Quartz Flats (East)										
<i>a</i> .			Health Sc	oring Index	•					
Pavement	8.3	Facility is cu	rrently 15 oversize stalls de	eficient: Estimate assumes appro	comments ox. 10 stall addition					
Site	4.0	Upgrade ligi	ting and signage; replace :	sidewalk and site amenities						
Structure	7.7	Replace stru	cture with new facility							
Water	6.8	Replace wit	ieplace with a level II treatment system							
Amenities	4.0									
Overall Health Index Score	= 48.8									
			Improvement	s Cost Estimate						
	1	Estimate	Bronorod Total	Estimated Improvement Cost						
Item Description	Unit	Unit Price	Quantity	(2018)	Comments					
		(2018)	DEMOLIT	TON ITEMS						
Overall Site Clearing	Acre	\$ 3,300	.00 2	\$ 6,600.00	General clearing & grubbing of existing site					
Asphalt Removal	Square Yard	\$ 12	.00 8,000	\$ 96,000.00	Estimated removal area limited to RA site only					
Concrete Sidewalk Removal	Square Foot	\$ 2	00 3,500	\$ 18,000.00 \$ 7,000.00	Estimated removal area limited to RA site only assume all walks are 5' wide					
Building/Structure Removal	Square Foot	\$ 50	.00 1,400	\$ 70,000.00						
Picnic Table and Shelter Removal	Each	\$ 5,000	.00 3	\$ 15,000.00	Remove for expanding truck parking					
Irrigation System Removal	Each	\$ 2,000	00 1	\$ 2,000.00						
Septic System Removal/Abandonment	Each	\$ 5,000	.00 1	\$ 5,000.00						
		• 0,000	Demolition Items Subtota	\$ 219,600.00						
			IMPROVE	MENT ITEMS						
PARKING AREA IMPROVEMENTS Chip Sealing	Square Foot	ś n	40	s -						
Mill & Fill	Square Foot	\$ 1	70	\$ -						
Bituminous Pavement	Ton	\$ 120	.00 2,450	\$ 294,000.00	Add approx. 26,000 sf for oversize parking; Assumes a full replacement of paved area					
Crushed Aggregate Base	Cubic Yard	\$ 60	.00 1.444	\$ 86.666.67	New base course on 26,000sf additional, assumes 18" section under asnhalt					
Concrete Curb & Gutter	Linear Foot	\$ 30	.00 2,300	\$ 69,000.00	new facility curb and gutter plus expanded parking area					
ADA Ramps	Each	\$ 1,500	.00 5	\$ 7,500.00	New/increased ADA ramps					
Striping Signage	Linear Foot	\$ 2	50 4,600	\$ 11,500.00 \$ 18,000.00	New striping					
Stormwater Culvert - 12 inch	Linear Foot	\$ 60	.00 24	\$ 18,000.00 \$ -	ohnare sikuake					
SITE IMPROVEMENTS										
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41	.67 700	\$ 29,166.67	Assumes all sidewalk is 5' wide					
General Landscaping - Turt/Seed/Hardscape General Landscaping - Tree Replacement	Each	\$ 400	00 20,000	\$ 20,000.00	Reseed disturbed areas					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1	.00 20,000	\$ 20,000.00	New irrigation system					
Site Fencing Replacement	Linear Foot	\$ 6	.00 1,500	\$ 9,000.00	New site fencing					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000	.00	\$ -						
Site Utility - Replace Propane Storage Lanks Picnic Table Shelters Replacement/New	Eump Sum Each	\$ 30,000	00 3	\$ 90,000,00	Replace due to expanded truck parking					
Picnic Table Replacement/New	Each	\$ 2,500	.00	\$ -						
Waste Receptacle Replacement/New	Each	\$ 300	.00 9	\$ 2,700.00						
Bench Replacement/New	Each	\$ 850	.00 2	\$ 1,700.00						
Site Lighting Replacement	Each	\$ 5,000	00 18	\$ 90,000.00 \$ 750.00	Replace and increase site lighting					
Pet Area Replacement/New	Each	\$ 5,000	.00 1	\$ 5,000.00	Teprace signage					
Flag Pole	Each	\$ 5,000	00							
BUILDING/STRUCTURAL IMPROVEMENTS	Square Foot	¢ 450	2 000	¢ 000.000.00	New building actimated cost includes structure electrical plumbing atc					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10	.00 2,000	\$ -	New building, estimated cost includes structure, electrical, plumbing, etc.					
Building/Structure Minor - Electrical	Square Foot	\$ 50	.00	\$-						
Building/Structure Minor - HVAC	Square Foot	\$ 40	.00	\$ -						
Building/Structure Minor - Plumbing Building/Structure Minor - Paint (exterior)	Square Foot	> 50 \$ 5	.00	> - \$ -						
Building/Structure Minor - Roofing	Square Foot	\$ 20	.00	\$ -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15	.00	\$ -						
Restroom Stalls Replacement	Each	\$ 800	.00	s -						
Door/Doorway Replacement Drinking Fountain Replacement	Each	> 1,000 \$ 800	.00	> - \$ -						
Sink/Toilet Replacement	Each	\$ 600	.00	\$ -						
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000	.00	\$-						
	1		1							
Conventional Gravity System Replacement	Lump Sum	\$ 15.000	.00	s -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000	.00	\$ -						
Lovel II Trootmont System Pagingenet function	Lume Com	6 250.000	00 1	ć 350.000.00	Inclusive of treatment, drainfield & tank(s) - Assumes replacement area on-site;					
Leven meatment system replacement/install	cump sum	⇒ ∠⊃U,U00	1	÷ 250,000.00	system.					
Pump Station Replacement	Lump Sum	\$ 80,000	.00 1	\$ 80,000.00						
Connection to Public Wastewater System	Lump Sum	\$ 10,000	00	5 - c						
Connection to Public Wastewater System - Piping Connection to Public Wastewater System - Manhole	Each	\$ 4.500	.00	s -						
· · · · · · · · · · · · · · · · · · ·		.,200								
WATER SYSTEM IMPROVEMENTS										
Public Well Replacement	Lump Sum	\$ 45,000	.00	\$ -						
Connection to Public Water System	Lump Sum	\$ 10.000	.00	\$ -						
Connection to Public Water System - Piping	Linear Foot	\$ 65	.00	\$ -						
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000	00	\$ -						
		IMPRO	EMENT ITEMS SUBTOTAL	\$ 2,206,583.33						
	MOBILIZ	ATION/DEM	OB. 18%	\$ 397,185.00	Includes all costs incurred in assembling and transporting materials to the work site.					
		,		,	Included to account for unidentified items including but not limited to BMPs, traffic					
		CONTINGE	ICY 25%	\$ 650,942.08	and other unanticipated conditions.					
			SUBTOTAL	\$ 3,254,710.42	-					
	0051-000-0	-		· · · · · ·						
	CONSTRUCTION	T ENGINEER	NG 10%	325,471.04 3 325,471.04						
			10/		teally as a second discussion of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s					
INDIRF	CT COST (IDC) - (ONSTRUCT	ON 10.49%	\$ 341.419.12	incurred during the construction process. IDC percentage is subject to change					
			SUBTOTAL	\$ 992,361.21						

Estimated Total Project Cost \$ 4,247,071.62

Quartz Flats (West)											
		-		Health Sco	ring Index	Commendar .					
Element	Score 8.0	Facilit	ty is curren	tly 17 oversize stalls de	ficient; Add approx. 10 oversize	comments e stalls.					
Site	4.3	Upgra	ade lighting	and signage; replace s	idewalk and site amenities						
Structure	7.7	Repla	ice structur	e with new facility; add	litional ROW needed due to incr	reased parking					
Water Wastewater	14.7	Repla	ice aging w	ell avel II treatment suctor	1						
Amenities	4.0	ncpid	•••ui d lt	a coonent system	•						
Overall Health Index Scor	e= 45.5										
	International Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control										
		Es	timated	mprovements	cost estimate						
Item Description	Unit	Ur	nit Price	Proposed Total Quantity	Estimated Improvement Cost (2018)	Comments					
		(2018)	DEMOLIT	ONITEMS						
Overall Site Clearing	Acre	\$	3,300.00	2	\$ 6,600.00	General clearing & grubbing of existing site					
Asphalt Removal	Square Yard	\$	12.00	16,333	\$ 195,996.00	Estimated removal area limited to RA site only					
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00	1,200	\$ 12,000.00	Estimated removal area limited to RA site only					
Concrete Sidewalk Removal Building/Structure Removal	Square Foot	Ş	2.00	4,500	\$ 9,000.00	Estimated removal area limited to KA site only, assume all walks are 5' wide.					
Picnic Table and Shelter Removal	Each	\$	5,000.00	3	\$ 15,000.00	Remove for expanding truck parking					
Irrigation System Removal	Each	\$	2,000.00	1	\$ 2,000.00						
Well Removal/Abandonment	Each	\$	3,000.00	1	\$ 3,000.00						
Septic System Removal/Abandonment	Each	Ş	5,000.00	1 Indition Items Subtotal	\$ 5,000.00 \$ 323.596.00						
			Den	iontion items subtotal	\$ 323,390.00						
	IMPROVEMENT ITEMS										
PARKING AREA IMPROVEMENTS		1.				T					
Chip Sealing	Square Foot	\$ \$	0.40		5 - 6						
Num oc rul	oquare Foot	\$	1.70	2 675							
bituminous Pavement	Ton	Ş	120.00	2,875	ə 345,000.00	Augure approx. 30,000 st for oversize parking; Assumes a full replacement of paved area					
Crushed Aggregate Base	Cubic Yard	\$	60.00	1,667	\$ 100,000.00	New base course on 30,000sf additional, assumes 18" section under asphalt.					
Concrete Curb & Gutter	Linear Foot	\$	30.00	1,700	\$ 51,000.00	new facility curb and gutter plus expanded parking area					
ADA Ramps	Each	\$	1,500.00	5	\$ 7,500.00	New/increased ADA ramps					
Striping Signage	Linear Foot	Ş	2.50	4,600	\$ 11,500.00 \$ 19,000.00	New striping					
Stormwater Culvert - 12 inch	Linear Foot	ې \$	/SU.U0 60.00	24	\$ 18,000.00	ohBrane sillingge					
		Ľ			· · · · · · · · · · · · · · · · · · ·						
SITE IMPROVEMENTS											
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	900	\$ 37,500.00	Assumes all sidewalk is 5' wide					
General Landscaping - Turf/Seed/Hardscape	Square Foot	Ş ¢	1.00	20,000	\$ 20,000.00	Reseed disturbed areas					
General Landscaping - Irrigation System Replacement	Square Foot	ŝ	1.00	20.000	\$ 20.000.00	New irrigation system					
Site Fencing Replacement	Linear Foot	\$	6.00	1,200	\$ 7,200.00	New site fencing					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$	20,000.00		\$ -						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$	50,000.00		\$ -						
Picnic Lable Shelters Replacement/New	Each	\$ \$	30,000.00	3	\$ 90,000.00 \$	Replace due to expanded truck parking					
Waste Receptacle Replacement/New	Each	ې \$	2,500.00	9	\$ 2.700.00						
Bench Replacement/New	Each	\$	850.00	2	\$ 1,700.00						
Site Lighting Replacement	Each	\$	5,000.00	13	\$ 65,000.00	Replace site lighting					
Site Signage Replacement/New	Each	\$	750.00	5	\$ 3,750.00						
Pet Area Replacement/New	Each	\$	5,000.00	1	\$ 5,000.00						
Flag Pole	Each	Ş	5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS						I					
Building/Structure Complete Replacement	Square Foot	\$	450.00	2,000	\$ 900,000.00	New building, estimated cost includes structure, electrical, plumbing, etc.					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$	10.00		\$ -						
Building/Structure Minor - Electrical	Square Foot	Ş	50.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$	50.00		\$ -						
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$ -						
Building/Structure Minor - Roofing	Square Foot	\$	20.00		\$ -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ ¢	15.00		\$ -						
Nestroom Stalls Replacement Door/Doorway Replacement	Each	> S	800.00		۰ - ۲						
Drinking Fountain Replacement	Each	\$	800.00		\$ -						
Sink/Toilet Replacement	Each	\$	600.00		\$ -						
Vaulted Toilet Structure Replacement/New	Each	\$	50,000.00		\$ -						
WASTEWATER SYSTEM IMPROVEMENTS	1	1									
Conventional Gravity System Replacement	Lump Sum	\$	15,000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$	30,000.00		\$ -						
level II Treatment System Replacement/Install	Lumo Sure	< ~	50 000 00	1	\$ 250,000,00	Inclusive of treatment, drainfield & tank(s) - Assumes replacement area on-site; Additional ROW area or combined east (wort curter may be preserved)					
covern reaction system replacement/install	comp sum	÷ 2		*	- 250,000.00	system.					
Pump Station Replacement	Lump Sum	\$	80,000.00	1	\$ 80,000.00						
Connection to Public Wastewater System	Lump Sum	\$	10,000.00		\$ -						
Connection to Public Wastewater System - Piping	Linear Foot Each	\$ \$	50.00		s -						
sector to radic water system - Manifold	COCH	ŕ	+,500.00		* *						
WATER SYSTEM IMPROVEMENTS						·					
Public Well Replacement	Lump Sum	\$	45,000.00	1	\$ 45,000.00	Replace well					
Water System Treatment	Lump Sum	\$ ¢	20,000.00		5 - ¢						
Connection to Public Water System Connection to Public Water System - Piping	Lump Sum Linear Foot	ې \$	10,000.00 65.00		۰ ۶ -						
Connection to Public Water System - Valves, Bends. etc.	Each	\$	1,000.00		\$ -						
	- 1	1	MPROVEM	ENT ITEMS SUBTOTAL	\$ 2,386,446.00						
		74710			¢ 400 FC0 20	Includer all costs incurred in accombling and transmission meta-side to C					
	MOBILI	2A1101	N/DEMOB.	18%	> 429,560.28	includes an costs incurred in assembling and transporting materials to the work site. Included to account for unidentified items including but not limited to BMPs, traffic					
			TINGTON		¢ 704.001.00	control, incidental pavement transitional areas, structural elements, public outreach,					
		CON	INGENCY	25% SUBTOTAI	 704,001.57 3.520.007.85 	and other unanticipated conditions.					
				SUBTOTAL	- 3,320,007.85	-					
	PRELIMINA	RYENG	GINEERING	10%	\$ 352,000.79						
	CONSTRUCTIO	IN ENG	SINEERING	10%	\$ 352,000.79						
						Indirect costs are not directly associated with the construction of a project but are					
INDIR	ECT COST (IDC) -	CONST	TRUCTION	10.49%	\$ 369,248.82	incurred during the construction process. IDC percentage is subject to change.					
				SUBTOTAL	\$ 1,073,250.39						

Estimated Total Project Cost \$ 4,593,258.24

Raynolds Pass										
	—	1	Health Sco	ring Index	A					
Element	Score 18.3				Comments					
Site	7.7									
Structure	19.0									
Water Wastewater	15.5		No Improvements							
Amenities	4.0									
Overall Health Index Sco	ore= 86.2									
Improvements Cost Estimate										
		Estimated	Proposed Total	Estimated Improvement						
Item Description	Unit	Unit Price	Quantity	Cost (2018)	Comments					
		(2018)	DEMOLITI	ON ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00		\$ -						
Asphalt Removal	Square Yard	\$ 12.00 \$ 10.00		\$ -						
Concrete Sidewalk Removal	Square Foot	\$ 2.00		\$ -						
Building/Structure Removal	Square Foot	\$ 50.00		\$ -						
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -						
Irrigation System Removal Well Removal/Abandonment	Each	\$ 2,000.00		s -						
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
		Dem	olition Items Subtotal	\$ -						
IMPROVEMENT ITEMS										
PARKING AREA IMPROVEMENTS			INIPROVEN							
Chip Sealing	Square Foot	\$ 0.40		\$ -						
Mill & Fill	Square Foot	\$ 1.70		\$ -						
Crushed Aggregate Base	Ton Cubic Yard	> 120.00 \$ 60.00		۰ - ۲						
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -						
ADA Ramps	Each	\$ 1,500.00		\$ -						
Striping	Linear Foot	\$ 2.50		\$ -						
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -						
SITE IMPROVEMENTS	10000000									
Concrete Sidewalk - 4 Inch General Landscaning - Turf/Seed/Hardscane	Square Foot	\$ 1.00		s -						
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		s -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -						
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -						
waste Receptacie Replacement/New Bench Replacement/New	Each	\$ 300.00		s -						
Site Lighting Replacement	Each	\$ 5,000.00		\$ -						
Site Signage Replacement/New	Each	\$ 750.00		\$ -						
Pet Area Replacement/New	Each	\$ 5,000.00		ş -						
Tag Fole	Lacii	\$ 5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS										
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -						
Building/Structure Minor - Floor, tile, paint Building/Structure Minor - Electrical	Square Foot	\$ 50.00		s -						
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		ş -						
Building/Structure Minor - Paint (exterior) Building/Structure Minor - Boofing	Square Foot	\$ 5.00		s -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$ -						
Door/Doorway Replacement	Each	\$ 1,000.00		s -						
Sink/Toilet Replacement	Each	\$ 600.00		\$ -						
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$-						
Conventional Gravity System Replacement	Lump Sum	\$ 15.000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -						
Pump Station Replacement	Lump Sum	\$ 80,000.00		s -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -						
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Water System - Piping	Linear Foot	\$ 65.00 \$ 1.000.00		۰ - د د						
	LdUI	IMPROVEM	ENT ITEMS SUBTOTAL							
					Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	ə -	Included to account for unidentified items including but not limited to BMPs, traffic					
		CONTINGENCY	254	s	control, incidental pavement transitional areas, structural elements, public					
		CONTINUENUT	25% SUBTOTAL	\$ -	our corr, and other unanticipated conditions.					
					-					
	PRELIMINAR		10%	s -						
	CONSTRUCTIO	- LINGINEERING	10%							
IN COLOR	ECT COST (IDC)	ONSTRUCTION	10.49%	\$	Indirect costs are not directly associated with the construction of a project but are incurred during the construction process. IDC percentage is subject to change					
INDIP			SUBTOTAL	\$ -						
	Estin	nated Tota	al Project Cost	ş -						

Page 54 of 66

			Red Rock	(North) PA						
	1 -		Health Sco	oring Index	• ·					
Element	Score	Ronlace island	surbing chipsonl and s	trining	Comments					
Site	3.5	Replace Island	mpliant ADA sidewalks	triping						
Structure	3.5	heplace non ce	inplant / b/t side walks							
Water System	0.0	No water at sit	2							
Vaulted Toilets	2.5									
Overall Health Index Score	8-0									
			Incompanyation	Cost Fatimate						
		Estimated	improvements	Cost Estimate						
Item Description	Unit	Unit Price	Proposed Total	Estimated Improvement Cost	Comments					
		(2018)	Quantity	(2018)						
		-	DEMOLITI	ON ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00		\$ -						
Asphalt Removal	Square Yard	\$ 12.00		\$ -						
Concrete Sidewalk Removal	Square Foot	\$ 10.00	500	\$ 9,000.00	Remova of curb and gutter					
Building/Structure Removal	Square Foot	\$ 50.00	500	\$ -						
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -						
Irrigation System Removal	Each	\$ 2,000.00		\$ -						
Well Removal/Abandonment	Each	\$ 3,000.00		\$-						
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -						
		Der	nolition Items Subtotal	\$ 10,000.00						
			IMPROVEN	IENT ITEMS						
Chin Sopling	Square Foot	¢ 0.40	95.000	ć 34.000.00	Pamer and parking area					
Mill & Fill	Square Foot	y U.40	00,000	ې 34,000.00 د	וישווףס פווט אפו אווצ פובפ					
Bituminous Pavement	Ton	\$ 120.00		\$ -						
Crushed Aggregate Base	Cubic Yard	\$ 60.00		\$ -						
Concrete Curb & Gutter	Linear Foot	\$ 30.00	900	\$ 27,000.00	Replace curbing					
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00						
Striping	Linear Foot	\$ 2.50	4,000	\$ 10,000.00	restriping					
Signage	Each	\$ 750.00		\$ -						
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		ş -						
Constants Sidowalk A inch	Lineal Foot	¢ 41.67	100	¢ 4 166 67	Poplace with ADA compliant					
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	100	\$ 4,100.07	Replace with ADA compliant					
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -						
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -						
Site Fencing Replacement	Linear Foot	\$ 6.00		\$-						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$-						
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -						
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -						
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -						
Pench Replacement/New	Each	\$ 300.00		\$ - ¢						
Site Lighting Replacement	Each	\$ 5,000.00		s -						
Site Signage Replacement/New	Each	\$ 750.00		\$ -						
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -						
Flag Pole	Each	\$ 5,000.00								
BUILDING/STRUCTURAL IMPROVEMENTS					1					
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -						
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -						
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		s -						
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -						
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$ -						
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00		ş -						
Sirik/ rollet Replacement	Each	\$ 50,000,00		> -						
vaurea rollet structure repidcement/new	Eacu	00.000.00 پ		ý -						
WASTEWATER SYSTEM IMPROVEMENTS	1	L	1		1					
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -						
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -						
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -						
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		ş -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ - ¢						
connection to rubile wastewater system - Mannole	Eduli	00.00 ډ, ب		ý -						
WATER SYSTEM IMPROVEMENTS	1	L	1		1					
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -						
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -						
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -						
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -						
		IMPROVEN	ENT ITEMS SUBTOTAL	\$ 86,666.67	Includes all costs incurred in accombling and transporting materials to the work					
	MOBIL 17	ATION/DEMOR	18%	\$ 15.600.00	site.					
	MODILIZ		2070	. 15,000.00	Included to account for unidentified items including but not limited to BMPs, traffic					
		CONTRACTO		é	control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	SURTOTAL	> 25,566.67	outreach, and other unanticipated conditions.					
			JUDICIAL	÷ 127,033.33	-					
	PRELIMINAR	Y ENGINEERING	10%	\$ 12,783.33						
	CONSTRUCTION	NENGINEERING	10%	\$ 12,783.33						
					Indirect costs are not directly according with the construction of a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec					
INDIRE	CT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 13,409.72	incurred during the construction process. IDC percentage is subject to change.					
			SUBTOTAL	\$ 38,976.38	e i spisis og stationer anvenger					

Estimated Total Project Cost \$ 166,809.72

Red Rock (South) PA											
		1	Health Sco	oring Index							
Element	Score				Comments						
Pavement	2.0	Replace curbing	g, chipseal, and striping								
Structure	5.5	Replace non-co	Inpliant ADA sidewalks								
Water System	0.0	No water at site	2								
Vaulted Toilets	2.5										
Overall Health Index Sco	re= 8.0										
			Improvements	Cost Estimate							
Itom Description	Unit	Estimated	Proposed Total	Estimated Improvement Cost	Commonte						
Item Description	Unit	(2018)	Quantity	(2018)	Comments						
			DEMOLITI	ON ITEMS	•						
Overall Site Clearing	Acre	\$ 3,300.00		\$-							
Asphalt Removal	Square Yard	\$ 12.00		\$ -							
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	900	\$ 9,000.00	Removal of curb and gutter						
Concrete Sidewalk Removal	Square Foot	\$ 2.00	500	\$ 1,000.00	Remove and replace						
Building/Structure Removal	Square Foot	\$ 50.00		\$ - ¢							
Irrigation System Removal	Each	\$ 2,000,00		\$							
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -							
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -							
		Den	nolition Items Subtotal	\$ 10,000.00							
IMPROVEMENT ITEMS											
PARKING AREA IMPROVEMENTS											
Chip Sealing	Square Foot	\$ 0.40	85,000	\$ 34,000.00	Ramps and parking area						
Mill & Fill Ritumingur, Davement	Square Foot	\$ 1.70		> -							
Crushed Aggregate Base	LON Cubic Vard	\$ 120.00 \$ 60.00									
Concrete Curb & Gutter	Linear Foot	\$ 30.00	900	\$ 27.000.00	Replace curbing						
ADA Ramps	Each	\$ 1.500.00	1	\$ 1.500.00							
Striping	Linear Foot	\$ 2.50	4,000	\$ 10,000.00	restriping						
Signage	Each	\$ 750.00		\$ -							
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -							
SITE IMPROVEMENTS											
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	100	\$ 4,166.67	Replace with ADA compliant						
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00		\$ -							
General Landscaping - Tree Replacement	Square Foot	\$ 400.00		\$ \$							
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -							
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -							
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -							
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$-							
Picnic Table Replacement/New	Each	\$ 2,500.00		\$-							
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -							
Bench Replacement/New	Each	\$ 850.00		\$ -							
Site Lighting Replacement	Each	\$ 5,000.00		\$ -							
Site Signage Replacement/New	Each	\$ 5,000,00		\$ •							
Flag Pole	Each	\$ 5,000.00		, ·							
	Eddi	Ş 3,000.00									
BUILDING/STRUCTURAL IMPROVEMENTS											
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$-							
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -							
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -							
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -							
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00 \$ E.00		· ·							
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		s -							
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -							
Restroom Stalls Replacement	Each	\$ 800.00		\$ -							
Door/Doorway Replacement	Each	\$ 1,000.00		\$-							
Drinking Fountain Replacement	Each	\$ 800.00		\$ -							
Sink/Toilet Replacement	Each	\$ 600.00		ş -							
vauited Toilet Structure Replacement/New	Each	ş 50,000.00		\$ -							
WASTEWATER SYSTEM IMPROVEMENTS		-	I	l	1						
Conventional Gravity System Replacement	Lumn Sum	\$ 15.000.00		\$ -							
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -							
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -							
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -							
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -							
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -							
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		ş -							
WATED SYSTEM INDON/EMENTS		-	I	l	1						
Public Well Replacement	Lump Sum	\$ 45,000,00		٢							
Water System Treatment	Lump Sum	\$ 20,000.00		\$ -							
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -							
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -							
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$-							
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 86,666.67							
	10000117		199/	¢ 15 600 00	Includes all costs incurred in assembling and transporting materials to the work						
	IVIUBILIZ	UCIVIUB.	1876	- 15,000.00	Included to account for unidentified items including but not limited to BMPs, traffic						
					control, incidental pavement transitional areas, structural elements, public						
		CONTINGENCY	25%	\$ 25,566.67	outreacn, and other unanticipated conditions.						
			SUBIOTAL	ə 127,833.33	-						
	PREI IMINAR	Y ENGINFFRING	10%	\$ 12.783.33							
	CONSTRUCTION	NENGINEERING	10%	\$ 12,783.33							
			2370	,							
		ONETRICTIC	10 40%	ć 12 400 T2	Indirect costs are not directly associated with the construction of a project but are						
INDIR		JUNGTRUCTION	10.49%	÷ 13,409.72	incorrect during the construction process, the percentage is subject to change.						

Estimated Total Project Cost \$ 166,809.72

Roberts										
			Health Sco	oring Index						
Element	Score	Roplace and	area came tita		Comments					
Pavement Site	15.3	Reconstruct site	ared, same size							
Structure	8.3	Remove and rep	emove and replace structure							
Water	8.7	Replace well an	splace well and increase storage.							
Wastewater	5.8	Future drainfiel	uture drainfield replacement due to age							
Overall Health Index Scor	42.8	Replace site an	eniues							
			Improvements	s Cost Estimate						
Itom Description	Unit	Estimated	Proposed Total	Estimated Improvement	Commonte					
tem bescription	onic	(2018)	Quantity	(2018)	Comments					
		1.	DEMOLIT	ION ITEMS						
Overall Site Clearing	Acre	\$ 3,300.00	1	\$ 3,300.00	General clearing & grubbing of existing site					
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	450	\$ 42,000.00 \$ 4,500.00	Estimated removal area limited to RA site only					
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,800	\$ 3,600.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.					
Building/Structure Removal	Square Foot	\$ 50.00	800	\$ 40,000.00	Remove and replace building and shed					
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -						
Irrigation System Removal Well Removal/Abandonment	Each	\$ 2,000.00	1	\$ - \$ 3,000,00	Abandon in place					
Septic System Removal/Abandonment	Each	\$ 5,000.00	1	\$ 5,000.00	Abundon wen					
		Dem	olition Items Subtotal	\$ 101,400.00						
IMPROVEMENT ITEMS										
Chin Sealing	Square Foot	\$ 0.40		s						
Mill & Fill	Square Foot	\$ 1.70		\$ -						
Bituminous Pavement	Ton	\$ 120.00	945	\$ 113,400.00	Assumes a full replacement of paved area and base					
Crushed Aggregate Base	Cubic Yard	\$ 60.00	969	\$ 58,140.00	Based on 10" section under asphalt area					
Concrete Curb & Gutter	Linear Foot	\$ 30.00	450	\$ 13,500.00	Replace curb and gutter					
ADA Ramps Strining	Lach	\$ 1,500.00	3	\$ 4,500.00 \$ 4,250.00	New strinning					
Signage	Each	\$ 750.00	8	\$ 6,000.00	Update/replace all signs					
Stormwater Culvert	Linear Foot	\$ 60.00	420	\$ 25,200.00	Replace drainage culvert & culvert irrigation ditch					
SITE IMPROVEMENTS	Lines! Feet	¢ 41.67	450	¢ 18.750.00	Assume all stdamplics Plucida					
Concrete Sidewaik - 4 Inch General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	450	\$ 18,750.00 \$ 10,000.00	Assumes all sidewalk is 5' wide					
General Landscaping - Tree Replacement	Each	\$ 400.00	5	\$ 2,000.00	replace and add trees					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00	10,000	\$ 10,000.00	Replace irrigation system					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -						
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	New					
Picnic Table Shelters Replacement/New	Eurip Sum Each	\$ 30,000.00	1	\$ 50,000.00	New					
Picnic Table Replacement/New	Each	\$ 2,500.00	4	\$ 10,000.00	Rehab shelter and replace picnic tables					
Waste Receptacle Replacement/New	Each	\$ 300.00	6	\$ 1,800.00	Replace waste receptacles					
Bench Replacement/New	Each	\$ 850.00	1	\$ 850.00	New bench					
Site Lighting Replacement	Each	\$ 5,000.00	4	\$ 20,000.00	Improve site lighting with LED					
Pet Area Replacement/New	Each	\$ 5.000.00	1	\$ 2,230.00 \$ 5.000.00	New fenced pet area					
Flag Pole	Each	\$ 5,000.00		, .,						
BUILDING/STRUCTURAL IMPROVEMENTS	1									
Building/Structure Complete Replacement	Square Foot	\$ 450.00	1,000	\$ 450,000.00	New building, estimated cost includes structure, electrical, plumbing, etc.					
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -						
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -						
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -						
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ - \$						
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -						
Restroom Stalls Replacement	Each	\$ 800.00		\$ -						
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -						
Drinking Fountain Replacement	Each	\$ 800.00		\$ -						
Sink/ rollet Replacement Vaulted Toilet Structure Replacement/New	Each	> 600.00 \$ 50.000.00		s -						
Concessione repidement/new	Lacii	- 50,000.00		* *						
WASTEWATER SYSTEM IMPROVEMENTS										
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -						
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00	1	\$ 30,000.00	Future drainfield replacement due to age					
Pump Station Replacement	Lump Sum	\$ 80 000 00		s -						
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -						
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -						
WATER SYSTEM IMPROVEMENTS	1			1						
Public Well Replacement	Lump Sum	\$ 45,000.00	1	\$ 45,000.00	New well					
Water System Treatment	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	Increase storage and capacity					
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -						
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		s -						
connection to Public Water System - Valves, Bends, etc.	Each	> 1,000.00	ENT ITEMS SUBTOTAL	\$ 1.022.040.00						
J		INTROVEM	SUBIUTAL	1,022,040.00	Includes all costs incurred in assembling and transporting materials to the work					
	MOBILIZ	ATION/DEMOB.	18%	\$ 183,967.20	site. Included to account for unidentified items including but not limited to BMPs, traffic control, incidental pavement transitional areas, structural elements, public					
		CONTINGENCY	25%	\$ 301,501.80	outreach, and other unanticipated conditions.					
			SUBTOTAL	\$ 1,507,509.00	-					
	PRELIMINAR	YENGINFERING	109/	\$ 150 750 90						
	CONSTRUCTIO	N ENGINEERING	10%	\$ 150,750.90						
					Indirect costs are not directly associated with the construction of a project but are					
INDIRE	CT COST (IDC) - (CONSTRUCTION	10.49%	\$ 158,137.69	incurred during the construction process. IDC percentage is subject to change.					
				ə 459,639.49	-					

Estimated Total Project Cost \$ 1,967,148.49

			Deals Core								
			Rock Cree	k (East) PA							
Element	Score	-	Health SCO	ing index	Comments						
Pavement	1.0	Chipseal parking	g area and ramps								
Site	4.5	Replace non-co	mpliant ADA sidewalks								
Water System	0.0	No water at site	1								
Vaulted Toilets	2.5										
Overall Health Index Sco	ore= 8.0										
			Improvements	Cost Estimate							
Itom Description	Unit	Estimated	Proposed Total	Estimated Improvement Cost	Commonts						
	Onic	(2018)	Quantity	(2018)	Comments						
Quantil City Classics	A	¢ 2,200,00	DEMOLITI	ON ITEMS							
Asphalt Removal	Square Yard	\$ 3,300.00		\$ -							
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -							
Concrete Sidewalk Removal	Square Foot	\$ 2.00	2,300	\$ 4,600.00	Remove and replace						
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -							
Irrigation System Removal	Each	\$ 2,000.00		\$ -							
Well Removal/Abandonment	Each	\$ 3,000.00		\$ - ¢ -							
Septic System Removaly Abandonment	Lacii	5 5,000.00 Dem	olition Items Subtotal	\$ 4,600.00							
Chip Sealing	Square Foot	\$ 0.40	91,000	\$ 36,400.00	Parking area and ramps						
Mill & Fill	Square Foot	\$ 1.70		\$ -							
Bituminous Pavement	Ton	\$ 120.00		\$ - ¢							
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -							
ADA Ramps	Each	\$ 1,500.00	1	\$ 1,500.00	Replace ado ramp						
Striping	Linear Foot	\$ 2.50	5,700	\$ 14,250.00	Ramp and parking restriping						
Signage Stormwater Culvert - 12 inch	Linear Foot	\$ 750.00		s -							
SITE IMPROVEMENTS		A 11.57	150	4 40466.67							
Concrete Sidewalk - 4 Inch General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 41.67 \$ 1.00	460	\$ 19,166.67 \$ -	Replace with ADA compliant						
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -							
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -							
Site Fencing Replacement Site Utility - Upgrade Power/phone/cable	Linear Foot	\$ 5.00 \$ 20.000.00		s -							
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -							
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -							
Picnic Table Replacement/New Waste Recentacle Replacement/New	Each	\$ 2,500.00	1	\$ 2,500.00	Add picnic table						
Bench Replacement/New	Each	\$ 850.00		\$ -							
Site Lighting Replacement	Each	\$ 5,000.00		\$ -							
Site Signage Replacement/New Pet Area Replacement/New	Each	\$ 750.00		s -							
Flag Pole	Each	\$ 5,000.00									
BUILDING/STRUCTURAL IMPROVEMENTS Building/Structure Complete Replacement	Square Foot	\$ 450.00		s -							
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -							
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -							
Building/Structure Minor - HVAC Building/Structure Minor - Plumbing	Square Foot Square Foot	\$ 40.00		\$ - \$ -							
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -							
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		s -							
Restroom Stalls Replacement	Each	\$ 800.00		\$ -							
Door/Doorway Replacement	Each	\$ 1,000.00		\$-							
Drinking Fountain Replacement	Each	\$ 800.00		\$ - \$							
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -							
WASTEWATER SYSTEM IMPROVEMENTS	Lumn Cure	\$ 15,000,00		\$							
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		<u>\$</u>							
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -							
Pump Station Replacement	Lump Sum	\$ 80,000.00		s -							
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		ş -							
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -							
WATER SYSTEM IMPROVEMENTS					1						
Public Well Replacement	Lump Sum	\$ 45,000.00		\$							
Water System Treatment	Lump Sum	\$ 20,000.00		s -							
Connection to Public Water System	Lump Sum	\$ 10,000.00		s -							
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		ş -							
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 78,416.67							
	MOBILIZ-	ATION/DEMOR	18%	\$ 14.115.00	Includes all costs incurred in assembling and transporting materials to the work site.						
	WIODILIZ		20/0	. 1-,115.00	Included to account for unidentified items including but not limited to BMPs, traffic						
		CONTINGENCY	25%	\$ 23,132.92	control, incluental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions.						
			SUBTOTAL	\$ 115,664.58	-						
	PREIIMINARY	YENGINFERING	10%	\$ 11.566.46							
	CONSTRUCTION	NENGINEERING	10%	\$ 11,566.46							
					Indirect costs are not directly associated with the construction of a project but are						
INDI	RECT COST (IDC) - C	CONSTRUCTION	10.49%	\$ 12,133.21	incurred during the construction process. IDC percentage is subject to change.						
			SUBTOTAL	\$ 35,266.13	-						

				Rock Creek	(West) PA	
Element	Score	-		Health Sco	ring Index	Comments
Pavement	1.5	Chi	ipseal parkini	g area and ramps		Commenta
Site	4.5	Rep	place non-co	mpliant ADA sidewalks		
Structure						
Water System	0.0	No	water at site	2		
Overall Health Index Score	= 8.5					
				Improvements	Cost Estimate	
them Description	11-14		Estimated	Proposed Total	Estimated Improvement Cost	C
Item Description	Unit	1	(2018)	Quantity	(2018)	Comments
				DEMOLITI	ON ITEMS	
Overall Site Clearing	Acre	\$	3,300.00		\$ -	
Asphalt Removal	Square Yard	Ş	12.00		\$ -	
Concrete Sidewalk Removal	Square Foot	ş S	2.00	2.300	\$ 4.600.00	Remove and replace
Building/Structure Removal	Square Foot	\$	50.00	_,	\$ -	
Picnic Table and Shelter Removal	Each	\$	5,000.00		\$ -	
Irrigation System Removal	Each	\$	2,000.00		\$ -	
Well Removal/Abandonment	Each	Ş	3,000.00		\$ -	
Septic System Removal/Abandonment	Each	Ş	5,000.00 Dem	olition Items Subtotal	\$ 4 600 00	
			Den		9 4,000.00	
		_		IMPROVEM		
PARKING AREA IMPROVEMENTS	1	_				
Chip Sealing	Square Foot	\$	0.40	91,000	\$ 36,400.00	Parking area and ramps
Mill & Fill Rituminous Pavement	Square Foot	\$	1.70		s -	
Crushed Aggregate Base	Cubic Yard	\$ \$	120.00		 ۲	
Concrete Curb & Gutter	Linear Foot	\$	30.00		\$ -	
ADA Ramps	Each	\$	1,500.00	1	\$ 1,500.00	Replace ado ramp
Striping	Linear Foot	\$	2.50	5,700	\$ 14,250.00	Ramp and parking restriping
Signage	Each	\$	750.00		\$ -	
Stormwater Culvert - 12 inch	Linear Foot	\$	60.00		\$ -	
SITE IMPROVEMENTS	1					I
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	460	\$ 19,166.67	Replace with ADA compliant
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00		\$ -	
General Landscaping - Tree Replacement	Each	\$	400.00		\$ -	
General Landscaping - Irrigation System Replacement	Square Foot	Ş	1.00		\$ -	
Site Litility - Llograde Power/phone/cable	Linear Foot	\$ ¢	20,000,00		s -	
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ \$	50,000.00		\$ -	
Picnic Table Shelters Replacement/New	Each	\$	30,000.00		\$ -	
Picnic Table Replacement/New	Each	\$	2,500.00	1	\$ 2,500.00	Add picnic table
Waste Receptacle Replacement/New	Each	\$	300.00		\$ -	
Bench Replacement/New	Each	Ş	850.00		\$ - ¢ -	
Site Signage Replacement/New	Each	Ş	750.00		s -	
Pet Area Replacement/New	Each	\$	5,000.00		\$ -	
Flag Pole	Each	\$	5,000.00			
BUILDING/STRUCTURAL IMPROVEMENTS			450.00			
Building/Structure Complete Replacement Building/Structure Minor - Floor, tile, paint	Square Foot	Ş	450.00		s -	
Building/Structure Minor - Electrical	Square Foot	\$	50.00		\$ -	
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$ -	
Building/Structure Minor - Plumbing	Square Foot	\$	50.00		\$ -	
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$ -	
Building/Structure Minor - Roofing Building/Structure Minor - Exterior Sidiog	Square Foot	Ş ¢	20.00		> - \$	
Restroom Stalls Replacement	Each	ŝ	800.00		\$ -	
Door/Doorway Replacement	Each	\$	1,000.00		\$ -	
Drinking Fountain Replacement	Each	\$	800.00		\$ -	
Sink/Toilet Replacement	Each	\$	600.00		\$ -	
vaulted Tollet Structure Replacement/New	Each	\$	50,000.00		۰ <	
WASTEWATER SYSTEM IMPROVEMENTS	1	I				1
Conventional Gravity System Replacement	Lump Sum	\$	15,000.00		ş -	
Pressure Dose System Replacement	Lump Sum	\$	30,000.00		\$-	
Level II Treatment System Replacement/Install	Lump Sum	\$	250,000.00		\$ -	
Pump Station Replacement	Lump Sum	\$	80,000.00		s -	
Connection to Public Wastewater System	Lump Sum	\$ ¢	10,000.00		> - \$	
Connection to Public Wastewater System - Piplig	Each	\$	4,500.00		\$ -	
		Ľ	,			
WATER SYSTEM IMPROVEMENTS						
Public Well Replacement	Lump Sum	\$	45,000.00		\$ -	
Water System Treatment	Lump Sum	Ş	20,000.00		\$ - \$	
Connection to Public Water System	Linear Foot	ş	65.00			
Connection to Public Water System - Valves, Bends. etc.	Each	\$	1,000.00		\$ -	
		. <u> </u>	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 78,416.67	
			011/05:			Includes all costs incurred in assembling and transporting materials to the work
	MOBILIZ	ATI	UN/DEMOB.	18%	> 14,115.00	site. Included to account for unidentified items including but not limited to BMPs, traffic
						control, incidental pavement transitional areas, structural elements, public
		CO	NTINGENCY	25%	\$ 23,132.92	outreach, and other unanticipated conditions.
				SUBIUTAL	ə 115,664.58	-
	PRELIMINAR	Y EN	NGINEERING	10%	\$ 11,566.46	
	CONSTRUCTION	N EM	NGINEERING	10%	\$ 11,566.46	
						Indirect costs are not directly associated with the construction of a project but are
INDIREC	T COST (IDC) - (CON	ISTRUCTION	10.49%	\$ 12,133.21	incurred during the construction process. IDC percentage is subject to change.
				SUBTOTAL	\$ 35,266.13	

Sweet Grass											
			Health Sco	oring Index							
Element	Score				Comments						
Pavement	9.0	Add 5 oversize	parking stalls								
Structure	5.3	Replace non-co	Impliant ADA sidewalk								
Water	26.0										
Wastewater	24.0										
Amenities	4.0										
Overall Health Index Scor	e= 83.3										
			Improvements	Cost Estimate							
	1	Estimated	improvementa	Estimated Improvement							
Item Description	Unit	Unit Price	Ouantity	Cost	Comments						
		(2018)	DEMOLIT	(2018)							
Overall Site Clearing	Acre	\$ 3,300.00	0	\$ 990.00							
Asphalt Removal	Square Yard	\$ 12.00		\$ -							
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00	430	\$ 4,300.00	Remove existing C&G for expanded parking						
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,700	\$ 3,400.00	Remove and replace						
Building/Structure Removal	Square Foot	\$ 50.00		\$ ·							
Irrigation System Removal	Each	\$ 2,000.00		\$ -							
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -							
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -							
		Den	nolition Items Subtotal	\$ 8,690.00							
PARVING AREA IMPROVEMENT TEMS											
Chip Sealing	Square Foot	\$ 0.40	1	\$ -							
Mill & Fill	Square Foot	\$ 1.70	1	\$ -							
Bituminous Pavement	Ton	\$ 120.00	325	\$ 39,000.00	Add 13,000 sf of paved truck parking, assume on existing site						
Crushed Aggregate Base	Cubic Yard	\$ 60.00	722	\$ 43,333.33	Based on 18" section under asphalt area						
Concrete Curb & Gutter	Linear Foot	\$ 30.00	500	\$ 15,000.00	New curb and gutter						
ADA Ramps Strining	Lach	\$ 1,500.00	2	\$ 3,000.00 \$ 1,250.00	Additional strining						
Signage	Each	\$ 750.00	4	\$ 3.000.00	Directional signage						
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -							
SITE IMPROVEMENTS											
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	340	\$ 14,166.67	Sidewalk re-alignment; Assumes all sidewalk is 5' wide						
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	3,000	\$ 3,000.00							
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00	,	\$ 2,000.00							
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -							
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$-							
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$ -							
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -							
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -							
Bench Replacement/New	Each	\$ 850.00	2	\$ 1,700,00	Replace with ADA compliant						
Site Lighting Replacement	Each	\$ 5,000.00	-	\$ -							
Site Signage Replacement/New	Each	\$ 750.00		\$ -							
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -							
Flag Pole	Each	\$ 5,000.00									
Building/Structure Complete Replacement	Square Foot	\$ 450.00	1	s -							
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -							
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -							
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -							
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	l	s -							
punning/Structure Minor - Paint (exterior) Building/Structure Minor - Roofing	Square Foot	> 5.00 \$ 20.00		۰ - د د							
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		\$ -							
Restroom Stalls Replacement	Each	\$ 800.00		\$ -							
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -							
Drinking Fountain Replacement	Each	\$ 800.00		\$ -							
Sink/ Lollet Replacement	Each	\$ 600.00		> -							
vanca rollet structure nepidcement/new	cacii	- 50,000.00	1	· ·							
WASTEWATER SYSTEM IMPROVEMENTS	1	1	1	L	I						
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$-							
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -							
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00	l	s -							
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00	l	s -							
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00	1	\$ -							
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -							
WATER SYSTEM IMPROVEMENTS	tum 10 1	¢ 45 000		c							
r done wen Replacement Water System Treatment	Lump Sum	\$ 45,000.00 \$ 20,000.00	+								
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -							
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -							
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -							
		IMPROVEN	IENT ITEMS SUBTOTAL	\$ 134,140.00							
	MOBIL 17	ATION/DEMOR	19%	\$ 24.145.20	includes all costs incurred in assembling and transporting materials to the work site.						
	WUDILIZ	ATTONY DEIVIOB	. 18%	- 24,145.20	Included to account for unidentified items including but not limited to BMPs, traffic						
		CONTINCENCE		ć 30.674.30	control, incidental pavement transitional areas, structural elements, public						
		CONTINGENCY	25% SUBTOTAL	> 39,571.30 \$ 197.856.50	outreach, and other unanticipated conditions.						
			SOBIOTAL	. 157,050.50	-						
	PRELIMINAR	Y ENGINEERING	i 10%	\$ 19,785.65							
	CONSTRUCTIO	N ENGINEERING	10%	\$ 19,785.65							
					Indirect costs are not directly associated with the construction of a project but are						
INDIRE	CT COST (IDC) - 0	CONSTRUCTION	10.49%	\$ 20,755.15	incurred during the construction process. IDC percentage is subject to change.						
			SUBTOTAL	\$ 60,326.45							

Estimated Total Project Cost \$ 258,182.95

Teton River (North)								
			Health Sco	oring Index				
Element	Score				Comments			
Pavement	17.7	Replace por	g area					
Structure	4.7	Replace non-co	Inpliant ADA sidewalk					
Water	26.0							
Wastewater	15.7	trainfield Improvements due to maintenance issues						
Amenities	4.0							
Overall Health Index Score	= 82.7							
				Cost Fatimate				
	1	Estimated	Improvements	Estimated Improvement				
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments			
		(2018)	Quantity	(2018)				
	1 .		DEMOLITI	ON ITEMS	l .			
Arabalt Removal	Acre Square Vard	\$ 3,300.00		\$ - ¢				
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$ -				
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,100	\$ 2,200.00	Remove and replace			
Building/Structure Removal	Square Foot	\$ 50.00		\$-				
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -				
Irrigation System Removal	Each	\$ 2,000.00		\$ -				
Well Removal/Abandonment	Each	\$ 3,000.00		\$ -				
Septic System Removal/Abandonment	Each	\$ 5,000.00	olition Itoms Subtotal	\$ -				
		Dem	Unition items Subtotal	\$ 2,200.00				
			IMPROVEN	IENT ITEMS				
PARKING AREA IMPROVEMENTS								
Chip Sealing	Square Foot	\$ 0.40		\$ -				
Mill & Fill	Square Foot	\$ 1.70		\$ -				
Bituminous Pavement	Ton	\$ 120.00		ş -				
Crushed Aggregate Base	Cubic Yard	\$ 60.00		s -				
ADA Ramos	Einear Foot	> 30.00 \$ 1.500.00	1	> - \$ 1 500 00	Replace with ADA compliant			
Striping	Linear Foot	\$ 2.50	1.200	\$ 3,000,00	restripe parking			
Signage	Each	\$ 750.00	4	\$ 3,000.00	Directional signage			
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -				
SITE IMPROVEMENTS					<u></u>			
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	220	\$ 9,166.67	Replace with ADA compliant			
General Landscaping - Turt/Seed/Hardscape	Square Foot	\$ 1.00		\$ -				
General Landscaping - Tree Replacement	Square Foot	\$ 1.00		s -				
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -				
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -				
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$-				
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -				
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -				
Waste Receptacle Replacement/New	Each	\$ 300.00	2	\$ -	Designed with ADA examplicant			
Site Lighting Replacement	Each	\$ 5,000,00	2	\$ 1,700.00	Replace with ADA compliant			
Site Signage Replacement/New	Each	\$ 750.00		\$ -				
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -				
Flag Pole	Each	\$ 5,000.00						
BUILDING/STRUCTURAL IMPROVEMENTS								
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -				
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ - \$				
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		\$ -				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -				
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ -				
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		ş -				
Nestroom Stalls Replacement	Each	> 800.00		<u>ې</u> -				
Drinking Fountain Replacement	Each	\$ 800.00						
Sink/Toilet Replacement	Each	\$ 600.00		\$ -				
Vaulted Toilet Structure Replacement/New	Each	\$ 50,000.00		\$ -				
WASTEWATER SYSTEM IMPROVEMENTS	_	-						
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00	,	> <	Surtam improvements due to maintenance insure			
Pressure Dose System Replacement	Lump Sum	\$ 250,000.00	1	> 30,000.00	system improvements due to maintenance issues.			
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -				
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$-				
Connection to Public Wastewater System - Manhole	Each	\$ 4,500.00		\$ -				
Public Well Replacement	Lumo Sum	\$ 45,000,00		s				
Water System Treatment	Lump Sum	\$ 20,000.00		s -				
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -				
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -				
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -				
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 50,566.67	la sluden all anote incorrect in an ambling a state of the state of the state			
	MOBIL 17	ATION/DEMOR	18%	\$ 9.102.00	includes all costs incurred in assembling and transporting materials to the work site.			
	MODILIZ		1876	+ 5,102.00	Included to account for unidentified items including but not limited to BMPs, traffic			
		CONTINCENCY	3541	¢	control, incidental pavement transitional areas, structural elements, public			
		CONTINUENCY	25% SURTOTAI	\$ 14,91/.17 \$ 74.585 83	ourcour, and other unanticipated conditions.			
			SOBIOTAL		-			
	PRELIMINAR	Y ENGINEERING	10%	\$ 7,458.58				
	CONSTRUCTIO	N ENGINEERING	10%	\$ 7,458.58				
					Indirect costs are not directly associated with the construction of a project but are			
INDIRE	CT COST (IDC) - 0	ONSTRUCTION	10.49%	\$ 7,824.05	incurred during the construction process. IDC percentage is subject to change.			
			SUBTOTAL	\$ 22,741.22				

Estimated Total Project Cost \$ 97,327.05

Teton River (South)											
		1	Health Sco	oring Index	Commente						
Element	Score 17.7	Restripe parkin	g area		comments						
Site	6.3	Replace non-co	mpliant ADA sidewalk								
Structure	14.7										
Water	15.7	Drainfield Impr	rainfield Improvements due to maintenance issues								
Amenities	4.0										
Overall Health Index Sco	re= 84.3	13									
			Improvements	Cost Estimate							
		Estimated	Deserved Total	Estimated Improvement							
Item Description	Unit	Unit Price	Quantity	Cost	Comments						
		(2018)	DEMOLIT	(2018) ON ITEMS							
Overall Site Clearing	Acre	\$ 3,300.00		\$-							
Asphalt Removal	Square Yard	\$ 12.00		\$ -							
Concrete Curb & Gutter Removal Concrete Sidewalk Removal	Square Foot	\$ 10.00 \$ 2.00	500	\$ 1.000.00	Remove and replace						
Building/Structure Removal	Square Foot	\$ 50.00		\$ -							
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -							
Irrigation System Removal	Each	\$ 2,000.00		\$ -							
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -							
		Dem	olition Items Subtotal	\$ 1,000.00							
PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPROVEMENTS PARKING AREA IMPRO											
Chip Sealing	Square Foot	\$ 0.40		ş -							
Mill & Fill	Square Foot	\$ 1.70		ş -							
Bituminous Pavement	Ton Cubic Yes 1	\$ 120.00		s -							
Concrete Curb & Gutter	Linear Foot	\$ 30.00		\$ -							
ADA Ramps	Each	\$ 1,500.00	3	\$ 4,500.00	Replace with ADA compliant						
Striping	Linear Foot	\$ 2.50	1,300	\$ 3,250.00	Restripe parking area						
Signage Stormwater Culvert - 12 inch	Each Linear Foot	\$ 750.00 \$ 60.00		s - s -							
	cincal root	+ 00.00		* *							
SITE IMPROVEMENTS			-		·						
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	100	\$ 4,166.67	Replace with ADA compliant						
General Landscaping - Tree Replacement	Each	\$ 1.00		s -							
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -							
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -							
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ - 6							
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -							
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -							
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -							
Bench Replacement/New Site Lighting Replacement	Each	\$ 5,000,00	2	\$ 1,700.00	Replace with ADA compliant						
Site Signage Replacement/New	Each	\$ 750.00		ş -							
Pet Area Replacement/New	Each	\$ 5,000.00		\$-							
Flag Pole	Each	\$ 5,000.00									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -							
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00		\$ -							
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -							
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00		ş -							
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -							
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		\$ - ¢							
Restroom Stalls Replacement	Square Foot Each	\$ 15.00 \$ 800.00		» - Տ -							
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -							
Drinking Fountain Replacement	Each	\$ 800.00		s -							
Sink/Toilet Replacement	Each	\$ 600.00	1	s -							
vanca rolet scactare repidcement/new	caun	÷ 50,000.00									
WASTEWATER SYSTEM IMPROVEMENTS											
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -							
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00 \$ 250,000.00	1	\$ 30,000.00 \$ -	system improvements due to maintenance issues.						
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -							
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		s -							
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ - ¢							
connection to Fubile wastewater system - Manifole	caun	÷ +,500.00									
WATER SYSTEM IMPROVEMENTS											
Public Well Replacement	Lump Sum	\$ 45,000.00		ş -							
Connection to Public Water System	Lump Sum	\$ 10.000.00		> - S -							
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		\$ -							
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$ -							
	-	IMPROVEM	ENT ITEMS SUBTOTAL	\$ 44,616.67	Includes all costs incurred in assembling and transporting materials to the work						
	MOBILIZ	ATION/DEMOB.	18%	\$ 8,031.00	site.						
					Included to account for unidentified items including but not limited to BMPs, traffic control, incidental payement transitional areas, structural elements, public						
		CONTINGENCY	25%	\$ 13,161.92	outreach, and other unanticipated conditions.						
			SUBTOTAL	\$ 65,809.58	-						
	PRELIMINAR	Y ENGINEERING	10%	\$ 6.580.96							
	CONSTRUCTION	NENGINEERING	10%	\$ 6,580.96							
					Indirect costs are not directly associated with the construction of a project but are						
INDIR	ECT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 6,903.43	incurred during the construction process. IDC percentage is subject to change.						
			SUBTOTAL	\$ 20,065.34							

Estimated Total Project Cost \$ 85,874.93

Тгоу									
Electron d			Health Sco	oring Index	Commente				
Element Pavement	Score 16.0				comments				
Site	4.0	Replace site lig	nting and signage, side	walk					
Structure	10.3	Update plumbin	pdate plumbing fixtures, floor, and HVAC						
Water	15.3	Replace drainfi	eplace drainfield due to age						
Amenities	4.0								
Overall Health Index Score	= 63.8	63.8							
			Improvement	Cost Estimate					
		Estimated	improvements	Estimated Improvement					
Item Description	Unit	Unit Price	Quantity	Cost	Comments				
		(2018)	DEMOLITI	(2018) ON ITEMS					
Overall Site Clearing	Acre	\$ 3,300.00		\$ -					
Asphalt Removal	Square Yard	\$ 12.00		\$ -					
Concrete Curb & Gutter Removal Concrete Sidewalk Removal	Linear Foot Square Foot	\$ 10.00 \$ 2.00	2.000	\$	Remove and replace				
Building/Structure Removal	Square Foot	\$ 50.00		\$ -					
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -					
Irrigation System Removal	Each	\$ 2,000.00		\$ -					
Septic System Removal/Abandonment	Each	\$ 5,000.00		\$ -					
		Dem	olition Items Subtotal	\$ 4,000.00					
PARKING AREA IMPROVEMENTS			IMPROVEN	1ENT ITEMS					
Chip Sealing	Square Foot	\$ 0.40		\$ -					
Mill & Fill	Square Foot	\$ 1.70		\$ -					
Bituminous Pavement	Ton	\$ 120.00		\$ - ¢					
Concrete Curb & Gutter	Linear Foot	\$ 30.00		s -					
ADA Ramps	Each	\$ 1,500.00	2	\$ 3,000.00	Replace with ADA compliant				
Striping	Linear Foot	\$ 2.50		\$ -					
Signage Stormwater Culvert - 12 inch	Each	\$ 750.00	l	<u>s</u> -					
Stormwater Covert - 12 men	Linedi FUUT	÷ 00.00		· ·					
SITE IMPROVEMENTS			· · · · · · · · · · · · · · · · · · ·						
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 41.67	400	\$ 16,666.67	Replace with ADA compliant				
General Landscaping - Turt/Seed/Hardscape General Landscaping - Tree Replacement	Square Foot	\$ 1.00 \$ 400.00		s -					
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		ş -					
Site Fencing Replacement	Linear Foot	\$ 6.00		\$-					
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ - \$					
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		s -					
Picnic Table Replacement/New	Each	\$ 2,500.00		\$ -					
Waste Receptacle Replacement/New	Each	\$ 300.00		\$ -					
Bench Replacement/New Site Lighting Replacement	Each	\$ 850.00	3	\$ 2,550.00 \$ 85.000.00	Replace with ADA compliant Replace site lighting				
Site Signage Replacement/New	Each	\$ 750.00	10	\$ 7,500.00	Replace site signage				
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -					
Flag Pole	Each	\$ 5,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS	1	1							
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -					
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	1,350	\$ 13,500.00	Update building flooring/paint				
Building/Structure Minor - Electrical	Square Foot	\$ 50.00	675	\$ - \$ 37,000,00	Indate ventilation				
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	610	\$ -	epone terrendition				
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$-					
Building/Structure Minor - Roofing	Square Foot	\$ 20.00		ş -					
Restroom Stalls Replacement	Each	\$ 15.00 \$ 800.00		» - Տ -					
Door/Doorway Replacement	Each	\$ 1,000.00		\$ -					
Drinking Fountain Replacement	Each	\$ 800.00	1	\$ 800.00	Replace with ADA compliant				
Sink/Toilet Replacement	Each	\$ 600.00	10	\$ 6,000.00	Update plumbing fixtures				
vauleu rollet structure replacement/New	Each	ου,000.00 φ		÷ -					
WASTEWATER SYSTEM IMPROVEMENTS	- I.				I				
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -					
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00 \$ 250,000.00	1	\$ 30,000.00 \$ -	inclusive of drainfield & tank(s) - Assumes replacement area on-site				
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -					
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -					
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ -					
Connection to Public Wastewater System - Manhole	Each	ə 4,500.00		ə -					
WATER SYSTEM IMPROVEMENTS	- I.				I				
Public Well Replacement	Lump Sum	\$ 45,000.00		\$ -					
water system Treatment Connection to Public Water System	Lump Sum	\$ 20,000.00	1	\$ 20,000.00	increase storage and minor system improvements				
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		ş -					
Connection to Public Water System - Valves, Bends, etc.	Each	\$ 1,000.00		\$-					
		IMPROVEM	ENT ITEMS SUBTOTAL	\$ 216,016.67	Includes all costs insurred in accompling and transmission metasistic to the				
	MOBILIZ	ATION/DEMOB.	18%	\$ 38,883.00	site.				
					Included to account for unidentified items including but not limited to BMPs, traffic control, incidental navement transitional account structural elements, sufficiently and the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structural elements of the second structura elements of the second structura elements of the				
		CONTINGENCY	25%	\$ 63,724.92	outreach, and other unanticipated conditions.				
			SUBTOTAL	\$ 318,624.58					
	PRELIMINAP		10%	\$ 31 867 46					
	CONSTRUCTION	NENGINEERING	10%	\$ 31,862.46					
					Indirect costs are not directly associated with the construction of a project but are				
INDIRE	CT COST (IDC) - C	ONSTRUCTION	10.49%	\$ 33,423.72	incurred during the construction process. IDC percentage is subject to change.				
			SUBTOTAL	\$ 97,148.64					

Estimated Total Project Cost \$ 415,773.22

Vandalia Health Consist Index												
		oring Index										
Element	Score					Comments						
Pavement	15.0	Add	4 truck stal	ls, mill and fill parking	lot and ramps, restripe. Remov	e and replace curb and gutter						
Site	3.3	Rem	ove and rep ove and rep	blace sloewalks, steps a	and ramps							
Water	8.7	Repla	ace well an	d increase capacity/sto	orage							
Wastewater	11.7	Repla	ace and up	grade wastewater syst	em							
Amenities	4.0	Rem	ove and rep	blace								
Overall Health Index Score	= 51.0											
				Improvomont	Cost Estimato							
-	1	Es	timated	improvementa	Estimated Improvement							
Item Description	Unit	Ur	nit Price	Proposed Total	Cost	Comments						
		(2018)	Quantity	(2018)							
Overall Site Clearing	Acre	5	3 300 00	2	\$ 6.600.00	General clearing & grubbing of existing site						
Asphalt Removal	Square Yard	ş	12.00		\$ -							
Concrete Curb & Gutter Removal	Linear Foot	\$	10.00	3,800	\$ 38,000.00	Estimated removal area limited to RA site only						
Concrete Sidewalk Removal	Square Foot	\$	2.00	2,500	\$ 5,000.00	Estimated removal area limited to RA site only, assume all walks are 5' wide.						
Building/Structure Removal	Square Foot	\$	50.00	800	\$ 40,000.00	Remove and replace						
Picnic Table and Shelter Removal	Each	Ş	5,000.00	3	\$ 15,000.00	Remove and replace						
Well Removal/Abandonment	Each	s S	2,000.00	1	\$ 2,000.00	Remove and replace						
Septic System Removal/Abandonment	Each	\$	5,000.00		ş -							
			Dem	olition Items Subtotal	\$ 106,600.00							
		IENT ITEMS										
PARKING AREA IMPROVEMENTS	Source Ferry											
Mill & Fill	Square Foot	\$ 113 000 00	Parking and ramps: includes milling and pavement									
Bituminous Pavement	Ton	\$ -	na pavellelle									
Crushed Aggregate Base	Cubic Yard	\$ -										
Concrete Curb & Gutter	Linear Foot	\$ 30,000.00	Replace with sidewalks									
ADA Ramps	Each	\$ 3,000.00	Replace with ADA compliant									
Striping	Linear Foot	Ş	2.50	1,000	\$ 2,500.00	Parking and ramps						
Stormwater Culvert - 12 inch	Linear Foot	s S	> 4,500.00 \$ -	Directional signage								
	Lincurroot	Ľ	00.00		Ŷ							
SITE IMPROVEMENTS	1											
Concrete Sidewalk - 4 inch	Lineal Foot	\$	41.67	500	\$ 20,833.33	Assumes all sidewalk is 5' wide						
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00	\$ 10,000.00	Replace construction damaged areas							
General Landscaping - Tree Replacement	Each	\$	400.00	5	\$ 2,000.00	Replace removed						
General Landscaping - Irrigation System Replacement	Square Foot	\$	1.00	5,000	\$ 5,000.00	Expand system						
Site Utility - Upgrade Power/phone/cable	Lumn Sum	S	20.000.00		\$ -							
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$	50,000.00		\$ -							
Picnic Table Shelters Replacement/New	Each	\$ 3	30,000.00	2	\$ 60,000.00	Estimates includes picnic table, concrete and shelter						
Picnic Table Replacement/New	Each	\$	2,500.00	8	\$ 20,000.00	Stand alone picnic table						
Waste Receptacle Replacement/New	Each	\$	300.00	6	\$ 1,800.00	Replace						
Bench Replacement/New	Each	ş	850.00	3	\$ 2,550.00	Replace with ADA compliant						
Site Signage Replacement/New	Each	ŝ	5,000.00	6	\$ 4500.00	Renlace						
Pet Area Replacement/New	Each	\$	5,000.00	1	\$ 5,000.00	New fenced						
Flag Pole	Each	\$	5,000.00	1	\$ 5,000.00							
BUILDING/STRUCTURAL IMPROVEMENTS	-	1.										
Building/Structure Complete Replacement	Square Foot	ş	450.00	1,200	\$ 540,000.00	New building, estimated cost includes structure, electrical, plumbing, etc.						
Building/Structure Minor - Floor, tile, paint	Square Foot	s	50.00		\$ -							
Building/Structure Minor - HVAC	Square Foot	\$	40.00		\$ -							
Building/Structure Minor - Plumbing	Square Foot	\$	50.00		\$-							
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00		\$ -							
Building/Structure Minor - Roofing	Square Foot	\$	20.00		ş -							
Building/Structure Minor - Exterior Siding	Square Foot	ş	15.00		s -							
Door/Doorway Replacement	Each	ş	1,000.00		s -							
Drinking Fountain Replacement	Each	\$	800.00		\$ -							
Sink/Toilet Replacement	Each	\$	600.00		\$ -							
Vaulted Toilet Structure Replacement/New	Each	\$	50,000.00		\$ -							
	1	1										
WASTEWATER SYSTEM IMPROVEMENTS	Lumo Sues	\$	15 000 00		¢							
Pressure Dose System Replacement	Lump Sum	\$	30,000.00	1	\$ 30.000.00	Inclusive of drainfield & tank(s) - Assumes replacement area on-site						
Level II Treatment System Replacement/Install	Lump Sum	\$ 2	50,000.00		\$ -							
Pump Station Replacement	Lump Sum	\$	80,000.00		\$ -							
Connection to Public Wastewater System	Lump Sum	\$	10,000.00		\$ -							
Connection to Public Wastewater System - Piping	Linear Foot	\$	50.00		<u>s</u> -							
Connection to Public Wastewater System - Manhole	Each	Ş	4,500.00		\$ ·							
WATER SYSTEM IMPROVEMENTS	1	1										
Public Well Replacement	Lump Sum	\$	45,000.00	1	\$ 45,000.00	Well replacement						
Water System Treatment	Lump Sum	\$ 3	20,000.00	1	\$ 20,000.00	Treatment & storage increase						
Connection to Public Water System	Lump Sum	\$	10,000.00		\$ -							
Connection to Public Water System - Piping	Linear Foot	\$	65.00		s -							
Connection to Public Water System - Valves, Bends, etc.	Each	5	1,000.00	ENT ITEMS CURTOT	>							
μ		IN	NYTOVEIN	LINE TIEIVIS SUBTUTAL	¢ 1,092,183.33	Includes all costs incurred in assembling and transporting materials to the work						
	MOBILIZ	ZATIO	N/DEMOB.	18%	\$ 196,593.00	site.						
						included to account for unidentified items including but not limited to BMPs, traffic control, incidental payement transitional areas, structural elements, public						
		CON	TINGENCY	25%	\$ 322,194.08	outreach, and other unanticipated conditions.						
				SUBTOTAL	\$ 1,610,970.42	_						
	0051											
	PRELIMINAR			10%	5 161,097.04 \$ 161,097.04							
	CONSTRUCTIO	- N CINC		10%	- 101,037.04							
	CT COCT (15.0)		DUCTO	10.000	¢	Indirect costs are not directly associated with the construction of a project but are						
INDIRE	Ci COSi (IDC) - I	CONST	RUCHON	10.49%	\$ 491 184 88	incurred during the construction process. IDC percentage is subject to Change.						

Estimated Total Project Cost \$ 2,102,155.30

Vista Point PA														
Visia Point PA Health Scoring Index														
Element	Score		Health S	cori	ng Index	Comments								
Pavement	2.5													
Site	4.5	Replace tr	ash receptacles, add picn	ic area	as; sidewalks, no power at si	te.								
Water System	0.0	No water	at site											
Vaulted Toilets	5.0													
Overall Health Index Scor	e= 12.0													
			Improvemen	nts C	Cost Estimate									
		Estimat	ed Proposed Total	Es	stimated Improvement Cost									
Item Description	Unit	Unit Pr (2018	ce Quantity		(2018)	Comments								
			DEMO	LITION	ITEMS									
Overall Site Clearing	Acre	\$ 3,30	0.00	\$										
Concrete Curb & Gutter Removal	Linear Foot	\$ 1	0.00 400	\$	4,000.00	Remove and replace								
Concrete Sidewalk Removal	Square Foot	\$	2.00 2,000	\$	4,000.00	Remove and replace								
Building/Structure Removal	Square Foot	\$ 5	0.00	\$										
Irrigation System Removal	Each	\$ 2,00	0.00	\$										
Well Removal/Abandonment	Each	\$ 3,00	0.00	\$	-									
Septic System Removal/Abandonment	Each	\$ 5,00	0.00	\$										
			Demolition Items Subto	tai ș	8,000.00									
IMPROVEMENT ITEMS ARKING AREA IMPROVEMENTS														
ARKING AREA IMPROVEMENTS hip Sealing Square Foot \$ 0.40 \$ -														
hip Sealing Square Foot \$ 0.40 \$ - Mill & Fill Square Foot \$ 1.70 \$ - Ituminous Pavement Ton \$ 120.00 \$ -														
Square Foot S - Stuminous Pavement Ton S 120.00 S - Tushed Aggregate Base Cubic Yard S 6.000 S -														
Crushed Aggregate Base	Cubic Yard	\$ 6	0.00	\$										
Concrete Curb & Gutter	Linear Foot	\$ 3	0.00	\$	-									
ADA Kamps Striping	Each Linear Foot	\$ 1,50 \$	2.50	Ş										
Signage	Each	\$ 75	0.00	\$										
Stormwater Culvert - 12 inch	Linear Foot	\$ 6	0.00	\$	-									
SITE IMPROVEMENTS														
Concrete Sidewalk - 4 inch	Lineal Foot	\$ 4	1.67 400	\$	16,666.67	Replace with ADA compliant								
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$	1.00	\$	-									
General Landscaping - Tree Replacement	Each Square Foot	\$ 40 ¢	0.00	\$ ¢										
Site Fencing Replacement	Linear Foot	\$	6.00	\$	-									
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,00	0.00	\$										
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,00	0.00	\$	-									
Picnic Table Replacement/New	Each	\$ 2,50	0.00 4	\$	10,000.00	Stand alone picnic table								
Waste Receptacle Replacement/New	Each	\$ 30	0.00 8	\$	2,400.00	Replace and add waste receptacles								
Bench Replacement/New	Each	\$ 85	0.00	\$										
Site Signage Replacement/New	Each	\$ 5,00	0.00	\$										
Pet Area Replacement/New	Each	\$ 5,00	0.00	\$	-									
Flag Pole	Each	\$ 5,00	0.00	\$										
BUILDING/STRUCTURAL IMPROVEMENTS														
Building/Structure Complete Replacement	Square Foot	\$ 45	0.00	\$	-									
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 1	0.00	\$										
Building/Structure Minor - Electrical Building/Structure Minor - HVAC	Square Foot	\$ 4	0.00	Ş										
Building/Structure Minor - Plumbing	Square Foot	\$ 5	0.00	\$	-									
Building/Structure Minor - Paint (exterior)	Square Foot	\$	5.00	\$										
Building/Structure Minor - Rooting Building/Structure Minor - Exterior Siding	Square Foot	\$ <u>1</u>	5.00	Ş										
Restroom Stalls Replacement	Each	\$ 80	0.00	\$	-									
Door/Doorway Replacement	Each	\$ 1,00	0.00	\$	-									
ידוווגוחg Fountain keplacement Sink/Toilet Replacement	Each Each	\$ 80 \$ 60	0.00	Ş										
Vaulted Toilet Structure Replacement/New	Each	\$ 50,00	0.00	\$										
WASTEWATER SYSTEM IMPROVEMENTS	Lumn Sum	\$ 15.00	0.00	¢	-									
Pressure Dose System Replacement	Lump Sum	\$ 30,00	0.00	\$	-									
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,00	0.00	\$	-									
Pump Station Replacement Connection to Public Wastewater System	Lump Sum	\$ 80,00	0.00	\$	-									
Connection to Public Wastewater System	Linear Foot	\$ 5	0.00	\$	-									
Connection to Public Wastewater System - Manhole	Each	\$ 4,50	0.00	\$										
WATER SYSTEM IMPROVEMENTS														
Public Well Replacement	Lump Sum	\$ 45,00	0.00	\$										
Water System Treatment	Lump Sum	\$ 20,00	0.00	\$										
Connection to Public Water System	Lump Sum	\$ 10,00	0.00	\$	-									
Connection to Public Water System - Piping Connection to Public Water System - Valves, Bends. etc.	Each	\$ 1,00	0.00	\$										
		IMPRO	VEMENT ITEMS SUBTOT	AL Ş	37,066.67									
	MORIU 7	ATION/DE	40B. 1	8% \$	6.672.00	Includes all costs incurred in assembling and transporting materials to the work site.								
	WODILIZ			¥	0,072.00	Included to account for unidentified items including but not limited to BMPs, traffic								
		CONTING	ENCY 2	5%\$	10,934.67	control, incluental pavement transitional areas, structural elements, public outreach, and other unanticipated conditions.								
			SUBTOT	AL \$	54,673.33	· · · · · · · · · · · · · · · · · · ·								
	DDELIMANNAD		PING	096 ¢	E 467 33									
	CONSTRUCTION	N ENGINEE	RING 1	270 ≯ 0% \$	5,467.33									
						Indirect costs are not directly associated with the construction of a project but are								
INDIRE	CT COST (IDC) - C	ONSTRUC	TION 10.4	9% \$	5,735.23	incurred during the construction process. IDC percentage is subject to change.								
			SUBTOT	AL \$	16,669.90									

Wibaux Health Secretary												
Health Scoring Index												
Element	Score				Comments							
Pavement	9.3	Mill and fill par	king and ramp, restripe	e								
Site	5.3	Undate interior	features and replace n	lumbing fixtures								
Water	26.0											
Wastewater	24.0											
Amenities	4.0											
Overall Health Index Score	= 82.0											
				Cost Fatimate								
	1	Estimated	improvements	Estimated Improvement								
Item Description	Unit	Unit Price	Proposed Total	Cost	Comments							
		(2018)	Quantity	(2018)								
Quorall Site Clearing	Acro	\$ 2,200,00	DEMOLITI	¢ ON ITEMS								
Asphalt Removal	Square Yard	\$ 3,300.00		; ;								
Concrete Curb & Gutter Removal	Linear Foot	\$ 10.00		\$								
Concrete Sidewalk Removal	Square Foot	\$ 2.00	1,700	\$ 3,400.0	Remove and replace							
Building/Structure Removal	Square Foot	\$ 50.00		\$ -								
Picnic Table and Shelter Removal	Each	\$ 5,000.00		\$ -								
Irrigation System Removal	Each	\$ 2,000.00		\$ -								
weil Removal/Abandonment Sentic System Removal/Abandonment	Each	\$ 5,000.00		\$								
Septe System temovaly domain and	Eden	0 5,000.00 Dem	olition Items Subtotal	\$ 3,400.0)							
			IMPROVEN	IENT ITEMS								
PARKING AREA IMPROVEMENTS												
Chip Sealing	Square Foot	\$ 0.40		\$ -								
Mill & Fill Rituminaur Pavament	Square Foot	\$ 1.70	87,000	\$ 147,900.00	Parking and ramp							
Crushed Aggregate Base	Cubic Vard	\$ 120.00 \$ 60.00		ب د								
Concrete Curb & Gutter	Linear Foot	\$ 30.00										
ADA Ramps	Each	\$ 1,500.00	3	\$ 4,500.0	Replace with ADA compliant							
Striping	Linear Foot	\$ 2.50	1,400	\$ 3,500.0	Parking and ramp							
Signage	Each	\$ 750.00	4	\$ 3,000.0	Directional signage							
Stormwater Culvert - 12 inch	Linear Foot	\$ 60.00		\$ -								
SITE IMPROVEMENTS	Lineal Foot	\$ 41.67	350	\$ 14 583 3	Assumes all sidewalk is 5' wide							
General Landscaping - Turf/Seed/Hardscape	Square Foot	\$ 1.00	330	\$ 14,383.3	Assumes an sucewark is 5 wide							
General Landscaping - Tree Replacement	Each	\$ 400.00		\$ -								
General Landscaping - Irrigation System Replacement	Square Foot	\$ 1.00		\$ -								
Site Fencing Replacement	Linear Foot	\$ 6.00		\$ -								
Site Utility - Upgrade Power/phone/cable	Lump Sum	\$ 20,000.00		\$ -								
Site Utility - Replace Propane Storage Tanks	Lump Sum	\$ 50,000.00		\$								
Picnic Table Shelters Replacement/New	Each	\$ 30,000.00		\$ -								
Waste Receptacle Replacement/New	Each	\$ 2,300.00		s -								
Bench Replacement/New	Each	\$ 850.00	3	\$ 2,550.0	Replace with ADA compliant							
Site Lighting Replacement	Each	\$ 5,000.00		\$ -								
Site Signage Replacement/New	Each	\$ 750.00	4	\$ 3,000.0	Directional signage							
Pet Area Replacement/New	Each	\$ 5,000.00		\$ -								
Flag Pole	Each	\$ 5,000.00	1									
Building/Structure Complete Replacement	Square Foot	\$ 450.00		\$ -								
Building/Structure Minor - Floor, tile, paint	Square Foot	\$ 10.00	2,100	\$ 21,000.0	Update men's and women's							
Building/Structure Minor - Electrical	Square Foot	\$ 50.00		\$ -								
Building/Structure Minor - HVAC	Square Foot	\$ 40.00		\$ -								
Building/Structure Minor - Plumbing	Square Foot	\$ 50.00	2,100	\$ 105,000.00	New plumbing and fixtures							
Building/Structure Minor - Paint (exterior)	Square Foot	\$ 5.00		\$ -								
Building/Structure Minor - Exterior Siding	Square Foot	\$ 15.00		s -								
Restroom Stalls Replacement	Each	\$ 800.00	3	\$ 2,400.0	Replace with ADA compliant							
Door/Doorway Replacement	Each	\$ 1,000.00		\$								
Drinking Fountain Replacement	Each	\$ 800.00	2	\$ 1,600.0	Replace with ADA compliant							
Sink/Toilet Replacement	Each	\$ 600.00	6	\$ 3,600.00	Replace with ADA compliant							
vauited Foilet Structure Replacement/New	Each	\$ 50,000.00		\$ -								
WASTEWATER SYSTEM IMPROVEMENTS	1	I										
Conventional Gravity System Replacement	Lump Sum	\$ 15,000.00		\$ -								
Pressure Dose System Replacement	Lump Sum	\$ 30,000.00		\$ -								
Level II Treatment System Replacement/Install	Lump Sum	\$ 250,000.00		\$ -								
Pump Station Replacement	Lump Sum	\$ 80,000.00		\$ -								
Connection to Public Wastewater System	Lump Sum	\$ 10,000.00		\$ -								
Connection to Public Wastewater System - Piping	Linear Foot	\$ 50.00		\$ - \$								
connection to Public wastewater system - Manhole	LdUI	÷ +,500.00		× -								
WATER SYSTEM IMPROVEMENTS	1	1			1							
Public Well Replacement	Lump Sum	\$ 45,000.00		\$								
Water System Treatment	Lump Sum	\$ 20,000.00		\$								
Connection to Public Water System	Lump Sum	\$ 10,000.00		\$ -								
Connection to Public Water System - Piping	Linear Foot	\$ 65.00		> -								
Connection to Public Water System - Valves, Bends, etc.	Each	> 1,000.00	ENIT ITEMAS CURTOTO	\$								
L		INIPROVEM	LIVE TENTS SUBTOTAL	پ 316,033.3	Includes all costs incurred in assembling and transporting materials to the work							
	MOBILIZ	ATION/DEMOB.	18%	\$ 56,886.0	0 site.							
					included to account for unidentified items including but not limited to BMPs, traffic control incidental payement transitional areas structural elements public							
		CONTINGENCY	25%	\$ 93,229.8	3 outreach, and other unanticipated conditions.							
			SUBTOTAL	\$ 466,149.1	7							
	_											
	PRELIMINAR	Y ENGINEERING	10%	\$ 46,614.9	2							
	CONSTRUCTIO	IN ENGINEERING	10%	÷ 46,614.9	<u> </u>							
					Indirect costs are not directly associated with the construction of a project but are							
INDIRE	CT COST (IDC) - O	CONSTRUCTION	10.49%	\$ 48,899.0	5 Incurred during the construction process. IDC percentage is subject to change.							
			SUBTOTAL	> 142,128.8	8							

Estimated Total Project Cost \$ 608,278.05

	1								CROSS SLOPE	DASSING WIDTH			
1	ODIFCTID	AN ALL IN		C Classe		Tain Hanna			CRUSS SLUPE			COMMENT	RECOMMENDATION
Location	ORIECTID	WidthIN	SIOPEPER	CrossSlope	P_widthin	Trip_Hazar	2- 40 01	<- 3%	<- 3%	2= 60	< 0.5	COMMENT	RECOMMENDATION
BOZEMAN	2	118	1.6	0.4	118	none	OK	OK	OK	OK	OK	UK	Replace spot location where settling has
BOZEMAN	3	76	1.6	0.8	76	none	OK	OK	OK	OK	OK	OK	created grade and trip hazards.
BOZEMAN	4	76	1.2	0.9	76	none	OK	OK	OK	OK	OK	OK	(Approximate 80')
BOZEMAN	6	71.75	0.1	2.6	71.75	.25' or less	OK	OK	OK	OK	OK	OK	
BOZEMAN	7	72	0.3	1.9	72	none	OK	OK	OK	OK	OK	OK	
BOZEMAN	8	/2	0.4	3.2	/2	.25' or less	OK	OK	NU	OK	OK	ADDRESS	
BOZEMAN	9	77	0.4	2	77	none	OK	OK	OK	OK	OK	OK	
BOZEMAN	10	60	0.8	1.9	60	none	OK	OK	OK	UK	OK	UK	
BOZEMAN	11	59	0.4	1.4	59	none	OK	OK	OK	NO	OK	OK	
BOZEMAN	12	58.5	1.2	1.2	58.5	none	ОК	ОК	OK	NO	ОК	OK	
BOZEMAN	14	59.5	2.7	3.8	59.5	none	ОК	ОК	NO	NO	ОК	ADDRESS	
BOZEMAN	15	59	1.7	4	59	none	ОК	ОК	NO	NO	ОК	ADDRESS	
BOZEMAN	16	59.75	0.3	1.2	59.75	none	ОК	ОК	OK	NO	ОК	OK	
BOZEMAN	17	59	0.5	2.6	59	none	ОК	ОК	ОК	NO	ОК	OK	
BOZEMAN	18	58	0.4	0.9	58	.25' or less	OK	OK	OK	NO	OK	OK	
BOZEMAN	19	59	0.1	1.8	59	none	OK	OK	OK	NO	OK	OK	
BOZEMAN	20	48	1.3	2.5	48	.25' or less	OK	OK	OK	NO	OK	OK	
BOZEMAN	21	58.5	0.5	2.5	58.5	.5 or greater	OK	OK	OK	NU	NO	ADDRESS	
BOZEMAN	23	108	2.2	1.9	108	.25' to .5'	OK	OK	OK	OK	OK	OK	
BOZEMAN	24	107	0.1	0.5	108	none	OK	OK	OK	OK	OK	OK	
BOZEMAN	25	48.5	3.4	1.5	48.5	none	ОК	ОК	OK	NO	ОК	OK	
HOMESTAKE WEST	26	43	0.9	1.4	43	.25' or less	NO	ОК	ОК	NO	ОК	ADDRESS	Replace entire 240' of sidewalk with
HOMESTAKE WEST	27	43	0.1	1.9	43	.25' or less	NO	ОК	OK	NO	ОК	ADDRESS	curb ramps, picnic tables, exterior
HOMESTAKE WEST	28	44	3.6	0.5	44	.25' or less	NO	ОК	OK	NO	ОК	ADDRESS	lighting, and new vaulted toilets.
HOMESTAKE WEST	29	60	0.2	2.2	60	none	OK	OK	OK	OK	OK	OK	
HOMESTAKE WEST	30	48	0.2	0.2	48	none	OK	OK	OK	NO	OK	OK	
HOMESTAKE WEST	31	43	0.4	0.5	43	none	NO	OK	OK	NO	OK	OK	
HOMESTAKE WEST	32	48	0.4	0.1	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	1
HOMESTAKE WEST	33	47.5	2.6	0.2	47.5	.25' to .5'	NO	ОК	OK	NO	OK	ADDRESS	1
HOMESTAKE WEST	34	48	2.8	1.4	48	.25' to .5'	ОК	ОК	OK	NO	OK	OK	1
HOMESTAKE WEST	35	48	0.6	0.4	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	1
HOMESTAKE WEST	36	48	0.7	0.1	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	1
HOMESTAKE WEST	37	47.5	0.1	1.1	47.5	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	
LIVINGSTON	71	60.5	1.4	2.2	60.5	none	ОК	OK	OK	OK	OK	OK	Replace 40' sidewalk with rehabilitation
LIVINGSTON	72	60.5	1.9	1.1	60.5	.25' to .5'	OK	OK	OK	OK	OK	OK	of PA.
LIVINGSTON	73	60.5	1.5	2.2	60.5	none	ОК	ОК	OK	OK	OK	OK	
LIVINGSTON	74	60.5	1.3	1.8	60.5	.25' to .5'	OK	OK	OK	OK	OK	OK	
LIVINGSTON	75	60.5	2.4	2.1	60.5	.25' or less	OK	OK	OK	OK	OK	OK	
LIVINGSTON	76	60	2.3	1.9	60	.25' to .5'	ОК	OK	OK	OK	OK	OK	
LIVINGSTON	77	60.5	3.1	2.7	60.5	none	ОК	OK	OK	OK	OK	OK	
LIVINGSTON	78	62	3.2	1.6	62	.25' to .5'	ОК	ОК	OK	OK	OK	OK	
LIVINGSTON	79	53.5	1.7	1.8	53.5	none	ОК	ОК	OK	NO	OK	OK	
LIVINGSTON	80	59	1.1	2.2	59	none	ОК	ОК	OK	NO	OK	OK	
LIVINGSTON	81	59	4	1.4	59	none	ОК	ОК	OK	NO	ОК	OK	
LIVINGSTON	82	55	4.1	2.1	55	none	ОК	ОК	OK	NO	ОК	OK	
LIVINGSTON	83	57	6.4	1.7	57	.25' to .5'	ОК	NO	OK	NO	ОК	ADDRESS	
LIVINGSTON	84	60	8.6	4.6	60	none	ОК	NO	NO	OK	OK	ADDRESS	
LIVINGSTON	85	60	1.6	1.9	60	.25' to .5'	OK	ОК	OK	OK	OK	OK	
LIVINGSTON	86	60	1.3	1.8	60	none	OK	OK	OK	OK	OK	OK	
EMIGRANT	87	94	0.1	3.5	94	none	OK	OK	NO	OK	OK	ADDRESS	Remove and replace entire 420' of
EMIGRANT	88	91	2.2	3.5	91	5' or greater	OK	OK	NO	OK	NO	ADDRESS	sidewalk with rebabilitation of BA due
EMIGRANT	89	95	2.2	2.8	95	5' or greater	OK	OK	OK	OK	NO	ADDRESS	to condition
EMIGRANT	90	96	0.9	2.3	96	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
FMIGRANT	91	95	0.5	1.6	95	.25' or less	OK	OK	OK	OK	OK	OK	
EMIGRANT	92	96	2.5	2.7	96	5' or greater	OK	OK	OK	OK	NO	ADDRESS	
EMIGRANT	93	54	1.2	3.8	54	none	OK	OK	NO	NO	OK	ADDRESS	
EMIGRANT	94	57.5	3.9	2.2	57.5	none	OK	OK	OK	NO	OK	OK	
FMIGRANT	95	54	1	2.2	54	.25' or less	ОК	OK	OK	NO	OK	OK OK	1
FMIGRANT	96	54	46	1 0	54	.25' or less	OK	OK	OK	NO	OK	OK	1 1
EMIGRANT	97	60	0	0.3	60	none	ОК	OK	OK	ОК	OK	OK	1 1
EMIGRANT	98	60	6.5	1.1	60	none	ОК	NO	OK	ОК	ОК	ADDRESS	1
EMIGRANT	99	60	2.7	2.9	60	.5' or greater	ОК	ОК	OK	ОК	NO	ADDRESS	1
EMIGRANT	100	59	1.5	1.2	59	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	1
EMIGRANT	101	59	0.6	1.6	59	.5' or greater	ОК	ОК	ОК	NO	NO	ADDRESS	1
EMIGRANT	102	54	3.3	2.3	54	none	ОК	ОК	ОК	NO	OK	OK	1
EMIGRANT	103	60	1.4	1.3	60	none	ОК	ОК	OK	ОК	ОК	OK	1
EMIGRANT	104	60	3	0.2	60	.25' or less	OK	OK	OK	ОК	OK	OK	1
EMIGRANT	105	60	1.5	1.7	60	.25' or less	ОК	ОК	OK	ОК	OK	OK	1
EMIGRANT	106	60	7.8	1.3	60	.25' or less	ОК	NO	ОК	ОК	OK	ADDRESS	1
FMIGRANT	107	60	2.0 4.4	1.0	50 60	none	OK	OK	OK	ОК	OK	OK	1 1
COLUMBUS FAST	108	95.25	1.9	0.9	95.25	none	ОК	OK	OK	OK	OK	OK OK	No improvement needed
COLUMBUS FAST	100	95.23	1.5	1 5	95.25	none	ОК	OK	OK	ОК	OK	OK OK	
COLUMBUS FAST	110	95.5	1.7	1.3	05.25	none	OK	OK	OK	OK	OK	OK OK	1
COLUMBUS EAST	111	JJ.25	0.9	1.4	55.25	none	OK	OK	OK	OK	OK	OK	1
COLUMBUS EAST	117	90 90	0.5	2.2	96 05	none	OK	OK	OK	OK	OK	OK OK	1
COLUMBUS EAST	112	95	0.0	2.0	95	none	OK	OK	OK	OK	OK	OK	1
	114	04 75	0.7	1.9	55.25	none	OK	OK	OK	OK	OK	OK	1
	114	94.75	0.9	1.1	94.75	none	OK	OK	OK	OK	OK	OK	1
COLUMBUS EAST	115	95./5	1	1.1	35.75	2E' or loss	OK	OK	OK	OK	OK	OK	1
	117	95.5	0.7	1.2	93.5	101 1855	OK	OK	OK	OK	OK	OK	1
COLUMBUS EAST	11/	95.5	0.6	1.8	95.5	none	OK	OK	OK	OK	OK	OK	1
COLUMBUS EAST	118	72.25	1.9	0.9	72.25	nono	OK	OK	OK	OK	OK	OK	1
	119	12	2.7	1.1	/2 EAF	none	OK	OK	OK	NO	OK	OK	1
COLUMBUS EAST	120	54.5	0	1.1	54.5	none	OK	OK	OK	OK	OK	OK OK	1
COLUMBUS EAST	121	60	0.3	1.2	60	none	OK	OK	OK		OK	UK OK	4
COLUMBUS EAST	122	54.5	0.1	1.5	54.5	none	UK OK	UK OK	OK		UK OK	UK CK	4
COLUMBUS EAST	123	72	0.4	0.7	72	none	OK	UK	UK	UK	UK	OK	
BROADUS	124	58.5	3.1	2.2	58.5	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	Replace spot location where settling has
BROADUS	125	57.5	2.6	2.7	57.5	none	OK	OK	OK	NO	OK	OK	created grade and trip hazards.

Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P WidthIN	Trip Hazar	WIDTH >= 48"	SLOPE <= 5%	CROSS SLOPE <= 3%	PASSING WIDTH >= 60"	TRIP HAZ < 0.5"	COMMENT	RECOMMENDATION
BROADUS	126	56.5	3	1.6	56.5	.25' or less	ОК	ОК	ОК	NO	ОК	OK	(Approximate 60')
BROADUS	120	58.25	2.5	4.1	58.25	none	ОК	OK	NO	NO	OK	ADDRESS	(pproximate oo)
BROADUS	128	57	1.6	3	57	.25' or less	ОК	ОК	ОК	NO	ОК	OK	
BROADUS	129	57.5	6.6	0.7	57.5	none	OK	NO	OK	NO	OK	ADDRESS	
LOCATE	130	48	1.4	0.4	48	.5' or greater	ОК	ОК	ОК	NO	NO	ADDRESS	Replace spot location where settling has
LOCATE	131	48	3	2.2	48	none	ОК	ОК	OK	NO	ОК	OK	created grade and trip hazards.
LOCATE	132	48	0.5	2.2	48	none	OK	ОК	ОК	NO	OK	OK	(Approximate 20')
LOCATE	133	48	0.1	0.3	48	none	OK	ОК	ОК	NO	OK	OK	
LOCATE	134	59.5	1.3	1.5	59.5	none	OK	OK	OK	NO	OK	OK	
LOCATE	135	59.5	2.1	0.2	59.5	none	OK	OK	ОК	NO	OK	OK	
LOCATE	136	48	3.4	1.4	48	none	OK	ОК	OK	NO	OK	OK	
LOCATE	137	48	0.7	2.1	48	.25' or less	OK	ОК	OK	NO	OK	OK	
LOCATE	138	48	0.5	1.5	48	none	OK	ОК	OK	NO	OK	OK	
BAD ROUTE	139	60	2	2.5	60	.25' or less	OK	ОК	OK	OK	OK	OK	Remove all and replace 400' of sidewalk
BAD ROUTE	140	60	0.9	2.2	60	.25' or less	ОК	ОК	OK	OK	ОК	OK	with reconstruction of site due to
BAD ROUTE	141	60	0.4	3.5	60	.5' or greater	ОК	ОК	NO	OK	NO	ADDRESS	condition.
BAD ROUTE	142	60	1.6	3.6	60	.25' or less	OK	ОК	NO	OK	OK	ADDRESS	
BAD ROUTE	143	60	0.9	4.5	60	.5' or greater	ОК	ОК	NO	OK	NO	ADDRESS	
BAD ROUTE	144	60	1.6	2.6	60	.25' to .5'	OK	OK	OK	OK	OK	OK	
BAD ROUTE	145	60	1.2	3	60	.25' to .5'	ОК	ОК	ОК	OK	ОК	OK	
BAD ROUTE	146	60	0.4	2.9	60	.25' or less	OK	ОК	OK	OK	OK	OK	
BAD ROUTE	147	48	3.2	2.8	48	.25' or less	OK	ОК	OK	NO	OK	OK	
BAD ROUTE	148	48	1.1	1.1	48	.25° or less	OK	ОК	OK	NO	OK	UK	
BAD ROUTE	149	48	1.8	0.7	48	.25° or less	OK	OK	OK	NO	OK	OK	
BAD ROUTE	150	48	4.3	0.9	48	none	UK OK	OK OK	OK	NO	UK	UK	
BAD ROUTE	151	48	2.7	1.4	48	.5 or greater	OK	OK	OK	NO	NU	ADDRESS	
BAD ROUTE	152	40	3.5	1.5	40	JE' or loss	OK	OK	OK	NO	OK	OK	•
RAD ROUTE	153	48 Q6	2.9	1.9	48	5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
BAD ROUTE	154	No 20	1.3	0.7	10	5' or greater	OK	OK	OK	NO	NO	ADDRESS	1
BAD ROUTE	155	40	1.0	0.1	40	25' to 5'	OK	OK	OK	NO	OK	OK	
BAD ROUTE	150	40	3.6	0.5	40	none	OK	OK	OK	NO	OK	OK	
BAD ROUTE	158	40	0.8	0.1	40	none	OK	OK	OK	NO	OK	OK	
BAD ROUTE	150	40	1.7	0.5	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
BAD ROUTE	160	60	0.8	4.8	60	.25' to .5'	ОК	ОК	NO	OK	OK	ADDRESS	
BAD ROUTE	161	60	2.1	3.6	60	.25' to .5'	ОК	OK	NO	OK	OK	ADDRESS	
BAD ROUTE	162	60	1.9	3.1	60	.25' to .5'	ОК	ОК	NO	OK	ОК	ADDRESS	
BAD ROUTE	163	60	2.8	3.3	60	none	OK	ОК	NO	OK	OK	ADDRESS	
BAD ROUTE	164	60	2.7	4.1	60	.5' or greater	ОК	ОК	NO	ОК	NO	ADDRESS	
BAD ROUTE	165	60	2.1	3.3	60	none	ОК	ОК	NO	OK	OK	ADDRESS	
BAD ROUTE	166	60	2	2.9	60	none	ОК	ОК	OK	OK	ОК	OK	
BAD ROUTE	167	47	1.2	0.4	47	none	NO	ОК	OK	NO	ОК	OK	
BAD ROUTE	168	47	0.9	1.1	47	none	NO	OK	ОК	NO	OK	OK	
BAD ROUTE	169	47	2.1	1.8	47	.25' or less	NO	OK	OK	NO	OK	OK	
BAD ROUTE	170	60	1.3	1	60	none	OK	ОК	OK	OK	OK	OK	
WIBAUX	172	60	2.9	3.1	60	none	OK	ОК	NO	OK	OK	ADDRESS	Replace spot location where settling has
WIBAUX	173	60	2.4	1.7	60	none	OK	OK	OK	OK	OK	OK	created grade and trip hazards.
WIBAUX	174	60	2.3	0.1	60	.25' or less	OK	ОК	OK	OK	OK	OK	(Approximate 80')
WIBAUX	175	60	2.1	2.5	60	.25' to .5'	ОК	ОК	OK	OK	ОК	OK	
WIBAUX	176	60	4.2	0.9	60	none	OK	ОК	OK	OK	OK	OK	
WIBAUX	177	60	2.5	0.1	60	none	OK	ОК	OK	OK	OK	OK	
WIBAUX	178	120	3.3	1.1	120	.5' or greater	ОК	ОК	ОК	OK	NO	ADDRESS	
WIBAUX	179	120	1.5	1.3	120	none	OK	ОК	OK	OK	OK	OK	
WIBAUX	180	112	4.2	1.3	112	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
WIBAUX	181	120.5	8.2	1.3	120.5	.25' to .5'	OK	NU	OK	OK	OK	ADDRESS	
WIBAUX	182	60	0.7	3	60	none	UK OK	OK OK	OK	OK	UK OK	UK OK	
WIBAUX	183	50.5	2.5	0.4	50.5	.25 t0.5	UK OK	OK OK	OK	UK	UK OK	UK OK	
WIDAUX W/IRALIV	104	50.5	5.1 2 E	2.2	50.5	none	OK	OK	OK	NO	OK	OK OK	1
WIBAUX	185		2.5	2.4	29	none	OK	OK	OK	ОК	OK	OK	1
WIBAUX	187	60	0.6	2.8	60	none	ОК	OK	OK	ОК	OK	OK	1
WIBALIX	188	60	1.8	2.5	60	none	ОК	OK	OK	ОК	OK	ОК	1
WIBAUX	189	60	2.5	2.2	60	none	OK	OK	OK	ОК	OK	ОК	1
CULBERTSON	190	60.5	0.1	0.9	60.5	none	ОК	ОК	OK	ОК	OK	ОК	No improvement needed.
CULBERTSON	191	60.5	0.2	0.2	60.5	none	ОК	OK	OK	ОК	ОК	ОК	1
CULBERTSON	192	60.5	1.3	1.1	60.5	.25' to .5'	ОК	OK	OK	ОК	OK	ОК	
CULBERTSON	193	60.5	0.4	1.1	60.5	none	ОК	OK	OK	ОК	OK	ОК]
CULBERTSON	194	60	3.4	0.8	60	.25' to .5'	ОК	OK	OK	ОК	OK	ОК	J
CULBERTSON	195	59.25	0.4	1.2	59.25	none	ОК	OK	OK	NO	OK	ОК]
CULBERTSON	196	59.25	0	2	59.25	.25' or less	ОК	OK	OK	NO	OK	ОК	1
CULBERTSON	197	59.25	0.6	2.1	59.25	.25' or less	OK	ОК	OK	NO	OK	OK	
CULBERTSON	198	59.25	0.1	1.4	59.25	.25' to .5'	ОК	OK	OK	NO	ОК	ОК	1
CULBERTSON	199	59.25	0.2	2.3	60	.25' or less	ОК	OK	OK	ОК	OK	ОК	1
CULBERTSON	200	59.25	2.4	0.5	59.25	.25' or less	OK	ОК	OK	NO	OK	OK	
CULBERTSON	201	60	0.9	0.5	60	none	ОК	OK	OK	OK	OK	OK	4
CULBERTSON	202	60	0.5	1.6	60	none	OK	OK	OK	OK	OK	OK	4
CULBERTSON	203	58.75	0.7	1.8	58.75	none	OK	0K	UK	NU	UK OK	OK	4
CULBERTSON	204	60	1	0.3	60	.25 or less	UK	UK	UK	UK	UK	OK	
VANDALIA	205	74	0.1	0.1	74	none	OK	UK OK	UK	UK	UK	OK	Remove all and replace 500' of sidewalk
VANDALIA	206	72	0.9	0.5	72	.25' or less	OK	UK	UK	UK	UK	OK	with reconstruction of site due to
VANDALIA	207	47	8.5	0.8	47	.5 or greater	NO		OK	NO	NU	ADDRESS	condition.
VANDALIA	208	42	0.3	1.7	42	none	NO	OK	OK	NO	OK	OK	4
VANDALIA	209	44	0.1	1.9	44	25' to 5'	OK	OK	OK	NO	OK	OK	1
VANDALIA	210	48	1.2	1.1	48	25' to 5'	OK	OK	OK	OK	OK	OK	1
VANDALIA	211	/2	0.7	1.3	/2	25' to 5'	OK	OK	OK	NO	OK	OK OK	1
VANDALIA	212	40	3.1	1.2	40	.5' or greater	ОК	OK	OK	NO	NO	ADDRESS	1
	213	-0 -	0.4	2.0	6F-	none	OK	OK	OK	OK	OK	OK	A few shot locations are not compliant
I LOWING WELLS	214	00	0.2	2.0	30		51	51	U N		31	UK	A rew sportiocations are not compliant.

	1												
							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
FLOWING WELLS	215	88.25	0.9	3.1	88.25	none	OK	OK	NO	OK	OK	ADDRESS	No improvement recommended due to
FLOWING WELLS	216	89.75	0.9	3	89.75	none	OK.	OK	OK	OK	OK	OK	now facility and isolated condition
	210	605.175	0.5	2.4	60.75	none	OK OK	OK OK	OK	OK	OK	OK	new racinty and isolated condition.
	217	72	0.3	2.4	72	25' or loss			OK	OK	OK	OK	
FLOWING WELLS	218	72	0	0.2	72	.25 OF less	UK OK	UK OK	UK OK	OK OK	UK OK	UK OK	
FLOWING WELLS	219	/2	0.3	0.1	/2	.25° or less	OK	OK	OK	OK	OK	UK	
FLOWING WELLS	5 220	27.5	0.5	2.7	27.5	.25' to .5'	NO	ОК	OK	NO	ОК	OK	
FLOWING WELLS	5 221	36.5	0.6	3.1	36.5	.25' to .5'	NO	ОК	NO	NO	OK	ADDRESS	
FLOWING WELLS	5 222	43.75	0.2	1.9	43.73	none	NO	OK	OK	NO	OK	OK	
FLOWING WELLS	5 223	59.75	0	0.7	59.75	none	ОК	ОК	OK	NO	OK	OK	
FLOWING WELLS	5 224	72	2.2	0.2	72	none	OK	OK	OK	OK	OK	OK	
FLOWING WELLS	225	72	2	0.5	72	none	ОК	ОК	OK	OK	OK	OK	
MOSBY	226	62.5	0.4	0	62.5	.25' or less	ОК	ОК	ОК	OK	ОК	OK	Remove all and replace entire 500' of
MOSBY	227	62.5	0.4	0.5	62.5	25' or less	OK	OK	OK	OK	OK	OK	sidewalk with rebabilitation of site due
MOSBY	/ 228	59.5	1.4	3.2	59.5	25' to 5'	OK	OK	NO	NO	OK	ADDRESS	to condition
MOSBY	220	50.5	0.2	0.2	50.5	25' or loss	OK		OK	NO	OK	OK	
MOSBI	223	55.5	0.2	0.3	55.5	E' or greater	OK	OK	OK	NO	NO	ADDRESS	
NIO3B1	230	33	3.5	2.3	33	.5 of greater			NO			ADDRESS	
IVIO3B1	231	90	5.1	5.1	96	.25 UT less	OK OK	OK	NU	OK	OK	ADDRESS	
MOSBY	232	95.25	1.4	2.1	95.25	.25 or less	UK OK	UK OK	UK OK	UK OK	UK	UK	
MOSBY	233	96	1.1	0.1	96	.5 or greater	OK	OK	OK	OK	NO	ADDRESS	
MOSBY	234	51	0	1.2	51	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	
MOSBY	235	59.25	0.5	1.5	59.25	.25' or less	ОК	ОК	OK	NO	OK	OK	
MOSBY	236	59.5	0.8	0.9	59.5	.25' or less	ОК	ОК	OK	NO	OK	OK	
MOSBY	237	60	2.4	1.4	60	none	ОК	ОК	OK	OK	OK	OK	
MOSBY	238	60	2.8	0.5	60	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
MOSBY	239	97.5	2.3	2	97.5	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
MOSBY	240	57	0.6	0.6	57	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	1
MOSBY	241	60	1.2	3.8	60	.25' or less	ОК	ОК	NO	OK	OK	ADDRESS	
MOSRY	247	60	2.3	1.8	60	.5' or greater	ОК	ОК	ОК	ОК	NO	ADDRESS	1
MOSBY	242	60	0.3	1.0	50 60	.5' or greater	OK	OK	OK	ОК	NO	ADDRESS	1
MOCDY	2+3	60.75	10	1.5	50 60 75	5' or greater	OK	OK	OK	OK	NO	ADDRESS	
IVIUSBI	244	60 5	1.9	2.3	60.75 60	none	OK	OK	NO	OK	OK		
IVIO3B1	245	00.5	1.1	3	60	none	UK OK	UK OK	NO	OK OK	UK OK	ADDRESS	
MOSBY	246	60	0.6	3.8	60	none	UK SU	ОК	NO	UK	OK	ADDRESS	
MOSBY	247	59.75	1	3.3	59.75	none	ОК	ОК	NO	NO	ОК	ADDRESS	
MOSBY	248	59.5	0.2	2.7	59.5	none	ОК	ОК	OK	NO	OK	OK	
MOSBY	249	73	2.1	0.5	73	.25' or less	OK	OK	OK	OK	OK	OK	
MOSBY	250	72.5	2.7	0.3	72.5	.25' to .5'	ОК	OK	OK	OK	OK	OK	
MOSBY	251	72	3.5	4.4	72	.5' or greater	ОК	ОК	NO	OK	NO	ADDRESS	
MOSBY	252	71.5	1.9	1.1	71.5	.25' to .5'	OK	OK	OK	OK	OK	OK	
MOSBY	253	72	7.6	4.8	72	.25' to .5'	ОК	NO	NO	OK	OK	ADDRESS	1
MOSBY	254	57	0.5	2.6	57	.25' or less	ОК	ОК	OK	NO	OK	OK	
COLUMBUS WEST	255	96	4.3	1.1	96	none	ОК	ОК	ОК	ОК	ОК	OK	A few spot locations are not compliant.
COLUMBUS WEST	255	96	3.4	1.1	96	none	OK	OK	OK	OK	OK	OK	No improvement recommended due to
COLUMBUS WEST	250	72	5.6	1.5	72	none	OK	NO	OK	OK	OK	ADDRESS	new facility and isolated condition
COLUMPUS WEST	257	06	2.6	1.0	96	none			OK	OK	OK	ADDITESS	new racinty and isolated condition.
COLUMPUS WEST	256	90	5.0	0.4	96	none	OK OK	OK OK	OK	OK	OK OK	OK	
COLUMBUS WEST	259	96	2.6	0.1	96	none	UK OK	UK OK	UK OK	UK OK	UK	UK	
COLUMBUS WEST	260	96	1.2	1.2	96	.25' to .5'	OK	OK	OK	OK	OK	OK	
COLUMBUS WEST	261	96	1.3	1.9	96	.25' or less	ОК	ОК	OK	ОК	ОК	OK	
COLUMBUS WEST	262	96	1.6	1	96	none	ОК	ОК	OK	OK	OK	OK	
COLUMBUS WEST	263	96	3.1	0.9	96	none	OK	ОК	OK	OK	OK	OK	
COLUMBUS WEST	264	96	3.4	0.8	96	none	OK	OK	OK	OK	OK	OK	
COLUMBUS WEST	265	72	2.3	1.3	72	none	ОК	OK	OK	OK	OK	OK	
COLUMBUS WEST	266	72	3.9	1.3	72	none	ОК	ОК	OK	OK	OK	OK	
COLUMBUS WEST	267	55.5	0.2	1.5	55.5	none	ОК	OK	OK	NO	OK	ОК	
COLUMBUS WEST	268	67	1.7	1.3	67	.25' or less	ОК	ОК	OK	OK	OK	OK	
COLUMBUS WEST	269	55	0.1	0.2	55	none	ОК	ОК	OK	NO	OK	OK	1
COLUMBUS WEST	270	71	4.8	1.1	71	none	ОК	ОК	OK	OK	OK	OK	
BRIDGER	271	59	2.6	23	59	25' or less	OK	OK	OK	NO	OK	OK	Replace 160' of sidewalk with
BRIDGER	271	60	12.0	1.1	60	E' or greater	OK	NO	OK	OK	NO	ADDRESS	replace 100 of side walk with
BRIDGER	272	59	15	2.4	59	none	OK	OK	OK	NO	OK	OK	renabilitation.
BRIDGER	273	50	1.5	2.4	59	none	OK	OK	OK	NO	OK	OK	
DRIDGER	2/4	59	1.4	2.2	59	25' or loss	OK	OK	NO	NO	OK		
DRIDGER	2/5	59	1.2	5.4	59	22 01 1255	OK	OK	NO	NO	OK	ADDRESS	1
BRIDGER	2/6	59	0.4	4	59	none	OK	OK	NO	NO	OK	ADDRESS	
BRIDGER	2/7	59	0.5	3.1	59	none	OK	UK	OK		OK OK	ADDRESS	
BRIDGER	278	58	2.5	2.1	58	none	UK	UK	UK	NU OK	UK	UK	
BRIDGER	279	61	6.8	2.1	61	none	OK	NO	UK	UK	UK	ADDRESS	
BRIDGER	280	60.5	6.9	5.1	60.5	.5' or greater	ОК	NO	NO	ОК	NO	ADDRESS	
BRIDGER	281	146	5.2	0.4	59	.25' to .5'	ОК	NO	OK	NO	ОК	ADDRESS	
BRIDGER	282	61	4.1	2.9	6.1	none	ОК	ОК	OK	NO	OK	OK	
BRIDGER	283	60	1.4	2.5	60	none	ОК	OK	OK	ОК	OK	OK	
BRIDGER	284	60	0.7	3	59	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	
BRIDGER	285	59.5	0.2	1.3	59.5	none	ОК	OK	OK	NO	OK	OK	
HARDIN EAST	286	71	0.7	2.1	71	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	Replace 120' of sidewalk with
HARDIN FAST	287	71	0.3	2.1	71	none	ОК	ОК	ОК	ОК	ОК	ОК	rehabilitation.
HARDIN FAST	288	71	0.6	2.8	71	.25' or less	ОК	OK	ОК	ОК	OK	ОК	1
HARDIN FAST	280	62	5.0	2.5	63	25' or less	ОК	ОК	OK	ОК	ОК	OK	1
	209	71 F	0.3	1 4	71 5	none	OK	OK	OK	OK	OK	OK	
	290	11.5	12 1	1.4	/1.5	25' to 5'	NO	NO	OK	NO	OK		1
	291	40	12.1	0.7	40	.2.3 (0.3	OK	OK	OK	NO	OK	ADDRESS	
1400010	292	48	2.8	0.2	48	none	UK	UK	UK OK	NO NO	UK OK	UK CK	
HARDIN EAST		47	0.9	0.7	47	none	NU	UK	UK	NU	UK	UK	
HARDIN EAST	293				47	none	NO	NO	UK	NO	UK	ADDRESS	
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST	293	47	11.1	2			N/V	OK	COK.	101/	NIO		
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST	293 294 295	47 77.5	11.1 0.5	2.2	77.5	.5' or greater	UK	UK	OK	UK	NU	ADDRESS	
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST	293 294 295 295	47 77.5 47	11.1 0.5 10.5	2.2	77.5 47	.5' or greater .25' to .5'	NO	NO	OK	NO	OK	ADDRESS	
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST	293 294 295 296 297	47 77.5 47 47	11.1 0.5 10.5 0.6	2.2 0.7 1.3	77.5 47 47	.5' or greater .25' to .5' none	NO NO	NO OK	OK OK	NO NO	OK OK	ADDRESS ADDRESS OK	
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST	293 294 295 296 297 297 297	47 77.5 47 47 47 47	11.1 0.5 10.5 0.6 3.1	2.2 0.7 1.3 0.6	77.5 47 47 47	.5' or greater .25' to .5' none none		NO OK OK	ок ок ок	NO		ADDRESS ADDRESS OK OK	
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST	293 294 295 296 297 298 298 299	47 77.5 47 47 47 47 46.5	11.1 0.5 10.5 0.6 3.1 12.2	2.2 0.7 1.3 0.6 0.2	77.5 47 47 47 47 46.5	.5' or greater .25' to .5' none none .25' or less	NO NO NO NO	NO OK OK NO		NO NO NO NO		ADDRESS ADDRESS OK OK ADDRESS	
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN WEST HARDIN WEST	293 294 295 296 297 298 299 300	47 77.5 47 47 47 47 46.5 72	11.1 0.5 10.5 0.6 3.1 12.2 0.8	2.2 2.2 0.7 1.3 0.6 0.2 2.7	77.5 47 47 47 47 46.5 72	.5' or greater .25' to .5' none none .25' or less .5' or greater	NO NO NO OK		ок ок ок ок ок	NO NO NO OK	ок ок ок ок ок	ADDRESS ADDRESS OK OK ADDRESS ADDRESS	Replace 100' of sidewalk with
HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN EAST HARDIN WEST HARDIN WEST	293 294 295 296 297 297 298 299 299 300 301	47 77.5 47 47 47 46.5 72 71	11.1 0.5 10.5 0.6 3.1 12.2 0.8 0.7	2.2 2.2 0.7 1.3 0.6 0.2 2.7 2.6	77.5 47 47 47 46.5 72 71	.5' or greater .25' to .5' none none .25' or less .5' or greater .5' or greater	NO NO NO OK OK	NO OK OK NO OK OK	OK OK OK OK OK	NO NO NO OK OK	OK OK OK OK NO NO	ADDRESS ADDRESS OK OK ADDRESS ADDRESS ADDRESS	Replace 100' of sidewalk with rehabilitation.

							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P WidthIN	Trip Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
HARDIN WEST	303	71	0.1	2.4	- 71	none	ОК	ОК	ОК	ОК	ОК	OK	
HARDIN WEST	304	71	0.3	1.9	71	none	OK	OK	OK	OK	OK	OK	
HARDIN WEST	305	47.5	2.7	0.5	47.5	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	
HARDIN WEST	306	47.5	3.6	0.8	47.5	.25' or less	NO	ОК	OK	NO	OK	OK	
HARDIN WEST	307	47.5	1.2	1.3	47.5	none	NO	ОК	OK	NO	OK	OK	
HARDIN WEST	308	60.5	4.8	0.3	60.5	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
HARDIN WEST	309	54	1.2	1.9	54	.25' to .5'	ОК	ОК	OK	NO	OK	ОК	
HARDIN WEST	310	62	3.4	2	62	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	
HARDIN WEST	311	47.5	1.9	1.5	47.5	none	NO	OK	OK	NO	OK	OK	
HARDIN WEST	312	46.5	1.5	0.2	46.5	none	NO	OK	OK	NO	OK	OK	
HARDIN WEST	313	47.5	0.2	0.4	47.5	none	NO	ОК	OK	NO	ОК	OK	
CUSTER WEST	314	60	1.4	3.3	60	.25' to .5'	ОК	OK	NO	OK	OK	ADDRESS	Replace 140' of sidewalk with
CUSTER WEST	315	60	0.6	1.2	60	.25' or less	ОК	OK	OK	OK	OK	OK	rehabilitation due to condition.
CUSTER WEST	316	48	1.4	3.1	60	none	ОК	OK	NO	OK	OK	ADDRESS	
CUSTER WEST	317	60	3.2	1.6	60	.25' to .5'	OK OK	OK	OK	UK OK	OK	OK OK	
CUSTER WEST	318	60	5	2.2	60	none	OK	OK	OK	UK	OK	OK	
CUSTER WEST	220	40	4.5	2.3	40	none	OK	OK	OK	NO	OK	OK	
CUSTER WEST	221	45.5	1.5	0.3	49.5	25' to 5'	OK	NO	OK	NO	OK	ADDRESS	
CUSTER WEST	321	40	11.1	0.4	48	none	OK	NO	OK	NO	OK	ADDRESS	
CUSTER WEST	323	48	11.1	4.2	48	none	OK	NO	NO	NO	OK	ADDRESS	
CUSTER WEST	324	72	0.9	3.5	72	.5' or greater	ОК	OK	NO	OK	NO	ADDRESS	
CUSTER WEST	325	48	1.3	3.3	48	.25' or less	OK	OK	NO	NO	OK	ADDRESS	
CUSTER FAST	326	60	1.4	3.9	60	none	OK	OK	NO	OK	OK	ADDRESS	Remove all and replace entire 320' of
CUSTER EAST	327	60	0.8	3	60	none	ОК	ОК	OK	OK	OK	OK	sidewalk with rehabilitation due to
CUSTER EAST	328	60	0.4	6.1	60	none	ОК	ОК	NO	OK	OK	ADDRESS	condition.
CUSTER EAST	329	60	1.9	3.6	60	.5' or greater	ОК	ОК	NO	OK	NO	ADDRESS	
CUSTER EAST	330	60	0.5	5.2	60	.5' or greater	ОК	ОК	NO	ОК	NO	ADDRESS	
CUSTER EAST	331	60	1	3.3	60	.25' to .5'	ОК	ОК	NO	OK	ОК	ADDRESS	
CUSTER EAST	332	60	0.1	0.6	60	none	OK	OK	OK	ОК	OK	OK	
CUSTER EAST	333	48	10.3	3.2	48	none	OK	NO	NO	NO	OK	ADDRESS	
CUSTER EAST	334	47	27.4	8.1	47	.5' or greater	NO	NO	NO	NO	NO	ADDRESS	
CUSTER EAST	335	48.25	18.6	3.3	48.25	.25' or less	ОК	NO	NO	NO	OK	ADDRESS	
CUSTER EAST	336	49	0.4	1.6	49	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
CUSTER EAST	337	47.5	2.5	0.9	47.5	none	NO	OK	OK	NO	OK	OK	
CUSTER EAST	338	72	0.9	4.1	72	.5' or greater	ОК	ОК	NO	OK	NO	ADDRESS	
CUSTER EAST	339	48	1.8	4	48	.25' to .5'	OK	OK	NO	NO	OK	ADDRESS	
CUSTER EAST	340	48.5	2.4	3	48.5	.25' or less	ОК	ОК	OK	NO	OK	OK	
CUSTER EAST	341	49	15.2	8.8	49	.5' or greater	ОК	NO	NO	NO	NO	ADDRESS	
HYSHAM EAST	342	98	1.6	1.1	98	none	ОК	OK	OK	OK	OK	OK	No improvement needed.
HYSHAM EAST	343	96	0.7	1.2	96	none	ОК	OK	OK	OK	OK	OK	
HYSHAM EAST	344	96	0.9	0	96	none	OK	OK	OK	OK	OK	OK	
	345	67	0	0.8	67	none	OK	OK	OK	OK	OK	OK	
HVSHAM FAST	340	90	0.8	1.4	90	none	OK	OK	OK	OK	OK	OK	
HYSHAM EAST	348	60	1.5	1.5	60	none	OK	OK	OK	OK	OK	OK OK	
HYSHAM EAST	349	60	0.8	0.5	60	none	ОК	ОК	OK	OK	OK	OK	
HYSHAM EAST	350	84	2.3	0.9	84	none	ОК	ОК	OK	OK	OK	OK	
HYSHAM EAST	351	84	1.6	0.9	84	none	OK	OK	OK	OK	OK	OK	
HYSHAM WEST	352	96	1.5	0.8	96	none	ОК	ОК	OK	OK	ОК	OK	No improvement needed.
HYSHAM WEST	353	96	0.8	1.1	96	none	OK	OK	OK	OK	OK	OK	
HYSHAM WEST	354	96	0.4	0.9	96	none	OK	ОК	OK	OK	OK	OK	
HYSHAM WEST	355	84	0.5	0.8	84	none	OK	OK	OK	OK	OK	OK	
HYSHAM WEST	356	96	0.2	0.9	96	none	ОК	ОК	OK	OK	OK	OK	
HYSHAM WEST	357	96	0.2	1	96	none	ОК	ОК	OK	OK	ОК	OK	
HYSHAM WEST	358	95.5	0.4	1.1	95.5	none	ОК	ОК	OK	OK	OK	OK	
HYSHAM WEST	359	84	2.5	1.1	84	none	ОК	OK	OK	OK	OK	OK	
HYSHAM WEST	360	59.5	2.8	0.6	59.5	none	OK	OK	OK	NU	OK	OK	
HYSHAM WEST	361	96	1.5	1.3	96	none	UK	OK	OK	UK	UK	UK	
HATHAWAY EAST	362	47.5	14.2	1.2	47.5	.5' or greater	NU	NO	OK	NO	NU	ADDRESS	Remove all and replace entire 400° of
ΗΔΤΗΔΙΛΙΔΥ ΕΛΟΤ	364	48 /17 E	2.7	0.8	48 //7 ⊑	5' or greater	NO	OK	OK	NO	NO	ADDRESS	condition
ΗΑΤΗΑ₩ΑΥ ΕΑΣΤ	304	47.5 <u>4</u> 0	1.5	1	47.5 <u>A</u> Q	.25' to .5'	OK	OK	OK	NO	OK	OK	condition.
ΗΑΤΗΑ₩ΑΥ ΕΑST	365	48 5	1 5	11	49	.25' or less	OK	OK	OK	NO	ОК	OK	
HATHAWAY FAST	367	48	0,4	0.8	48	.25' to .5'	ОК	OK	OK	NO	OK	OK	
HATHAWAY EAST	368	48	0.2	0.1	48	.25' or less	ОК	ОК	OK	NO	ОК	ОК	
HATHAWAY EAST	369	48.75	0.8	0.1	48.75	.25' or less	ОК	ОК	OK	NO	OK	ОК	
HATHAWAY EAST	370	46.5	0.2	1.6	46.5	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
HATHAWAY EAST	371	48	8.7	1	48	.5' or greater	OK	NO	OK	NO	NO	ADDRESS	
HATHAWAY EAST	372	61.5	0.4	0.4	61.5	.25' or less	OK	OK	OK	OK	OK	OK	
HATHAWAY EAST	373	61.5	0.3	0.2	61.5	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	
HATHAWAY EAST	374	61.5	0.2	0.1	61.5	.25' or less	OK	OK	OK	OK	OK	OK	
HATHAWAY EAST	375	61.5	0.7	0.8	61.5	none	ОК	ОК	OK	OK	OK	OK	
HATHAWAY EAST	376	61.5	0.3	0.5	61.5	.25' to .5'	ОК	ОК	ОК	ОК	ОК	OK	
HATHAWAY EAST	377	60.5	0.2	1	60.5	none	OK	OK	OK	OK	OK	OK	
HA (HAWAY EAST	378	64	9.2	0.3	64	.25 or less	UK OK	NU	UK	UK OK	UK	ADDRESS	Demons all and the second second
HATHAWAY WEST	379	61	3.3	0.1	61	.5 or greater	UK OK	UK OK	UK	UK OK	NU	ADDRESS	Remove all and replace entire 400' of
HATHAWAY WEST	380	60.5	3	1.5	60.5	.25 OF less	OK	OK	OK	OK	OK	OK	suewark with reconstruction due to
	381	0U.5 61	1.1	1.4	60.5	25' to 5'	OK	OK	OK	OK	OK	OK	condition.
	202	61 5	1.8	0.3	10 61 E	.25' or less	OK	OK	OK	OK	OK	OK	
ΗΑΤΗΔΙΛΑΥ Μ/ΕΥΤ	303	47 5	0.3	0.3	47 5	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	
HATHAWAY WEST	385	48	0,7	0.5	48	.25' or less	ОК	OK	OK	NO	ОК	OK	
HATHAWAY WEST	386	48	2.3	0.3	48	.25' or less	ОК	ОК	OK	NO	ОК	ОК	
HATHAWAY WEST	387	47	0.6	1.4	47	none	NO	OK	OK	NO	ОК	ОК	
HATHAWAY WEST	388	48	2.5	0.6	48	.25' or less	ОК	OK	OK	NO	ОК	ОК	
HATHAWAY WEST	389	48.5	1.1	0.6	48.5	.25' or less	ОК	OK	OK	NO	ОК	ОК	
HATHAWAY WEST	390	47.5	0.9	0.3	47.5	.25' to .5'	NO	ОК	OK	NO	OK	OK	

								_					
							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
HATHAWAY WEST	391	47	1	0.1	47	none	NO	OK	OK	NO	OK	OK	
HATHAWAY WEST	392	47	0.8	4.8	47	.5' or greater	NO	OK	NO	NO	NO	ADDRESS	
HATHAWAY WEST	393	47	0.9	1.8	47	none	NO	ОК	ОК	NO	ОК	OK	
HATHAWAY WEST	394	47	1.7	0.8	47	25' or less	NO	OK	OK	NO	OK	OK	
HATHAWAY WEST	395	48	0.5	0.2	48	25' or less	OK	OK	OK	NO	OK	OK	
ΗΔΤΗΔW/ΔΥ WEST	306	/8	13	0	/8	none	OK	OK	OK	NO	OK	OK	
HATHAWAT WEST	307	47.5	1.3	03	47.5	none	NO	OK	OK	NO	OK	OK	1
	200	47.5	1.3	0.5	47.5	none	OK	OK	OK	NO	OK	OK	1
	200	46.3	1.7	1.1	46.5	none		OK	OK	NO	OK	OK	4
HATHAWAY WEST	399	47	2	0.6	47	none	NU	OK	OK OK	NO	UK OK	UK OK	
HATHAWAY WEST	400	46	1.2	2.9	46	none	NU	UK	UK	NU	UK	UK	
JEFFERSON CITY NORTH	401	48	3.2	4.5	48	.5' or greater	ОК	ОК	NO	NO	NO	ADDRESS	Remove all and replace 400' of sidewalk
JEFFERSON CITY NORTH	402	45	2.5	0.7	45	none	NO	ОК	OK	NO	OK	OK	with reconstruction due to condition.
JEFFERSON CITY NORTH	403	48	0.2	0.3	72	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
JEFFERSON CITY NORTH	404	48	2.1	1.2	48	none	ОК	OK	OK	NO	OK	OK	
JEFFERSON CITY NORTH	405	44	0.4	1.3	44	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
JEFFERSON CITY NORTH	406	42	1.2	0.8	42	.25' to .5'	NO	OK	OK	NO	OK	OK	
JEFFERSON CITY NORTH	407	42	1.6	0.4	42	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
JEFFERSON CITY NORTH	408	47	1.1	0.7	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
JEFFERSON CITY NORTH	409	48	1.7	1.9	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	
JEFFERSON CITY NORTH	410	51	0.4	2.5	51	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	1
IFFEERSON CITY NORTH	411	44 5	1	03	44 5	25' to 5'	NO	OK	OK	NO	OK	OK	
JEFFERSON CITY NORTH	412	48	0.2	2.6	2.6	5' or greater	OK	OK	OK	NO	NO	ADDRESS	1
	/12	47	2.7	1.0	47	nono	NO	OK	OK	NO	OK	OK	
JEFFERSON CITY NORTH	413	47	2.7	1.3	47	none	NO	OK	OK	NO	OK	OK	4
JEFFERSON CITY NORTH	414	47	3.5	0.3	47	none	NU	OK	OK	NO	UK OK	UK OK	-
JEFFERSON CITY NORTH	415	48	4.8	0.5	48	.25 t0.5	UK	UK	UK	NU	UK	UK	
JEFFERSON CITY NORTH	416	47.5	1.7	0.5	47.5	.25' or less	NO	ОК	OK	NO	OK	OK	
JEFFERSON CITY NORTH	417	74	2.5	2.4	60	.25' to .5'	ОК	ОК	OK	ОК	ОК	OK	
JEFFERSON CITY NORTH	418	109	10.2	1.9	109	.25' or less	ОК	NO	OK	OK	OK	ADDRESS	
JEFFERSON CITY NORTH	419	44	6.2	0.4	44	.25' or less	NO	NO	OK	NO	OK	ADDRESS	
JEFFERSON CITY NORTH	420	46	0.6	2.6	46	.25' to .5'	NO	ОК	OK	NO	OK	OK	
JEFFERSON CITY NORTH	421	44	15.7	0.8	44	.5' or greater	NO	NO	OK	NO	NO	ADDRESS	
JEFFERSON CITY NORTH	422	46	7.8	4	46	.25' or less	NO	NO	NO	NO	OK	ADDRESS	
JEFFERSON CITY NORTH	423	53	3.4	2.8	53	.25' to .5'	ОК	ОК	ОК	NO	OK	OK	
JEFFERSON CITY NORTH	424	127	0.9	3.9	127	.5' or greater	ОК	ОК	NO	ОК	NO	ADDRESS	1
IFFFFRSON CITY NORTH	425	106	5.1	2.6	106	.5' or greater	OK	NO	OK	OK	NO	ADDRESS	
RAVNOLDS PASS	426	90	1.6	17	90	25' or less	OK	OK	OK.	OK	OK	OK	No improvement needed
RATINOLDS PASS	420	90	1.0	1.7	30	25 or loss	OK	OK	OK	OK	OK	OK	No improvement needed.
RATINOLDS PASS	427	07.5	1.5	1.5	07.5	.25 OF less	OK OK	OK OK	OK	OK OK	OK OK	UK OK	
RAYNOLDS PASS	428	87.5	2.1	1.3	87.5	.25 or less	UK	UK	UK	UK	UK	UK	
RAYNOLDS PASS	429	89	1.2	1.5	89	none	OK	OK	OK	UK	OK	UR	
RAYNOLDS PASS	430	90	1.5	1.5	90	none	ОК	ОК	OK	ОК	OK	OK	
RAYNOLDS PASS	431	90.25	1.2	1.1	90.25	none	ОК	ОК	OK	OK	OK	OK	
RAYNOLDS PASS	432	90.5	2.8	1.8	90.5	none	ОК	ОК	OK	OK	OK	OK	
RAYNOLDS PASS	433	124	0.4	0.6	124	none	ОК	OK	OK	OK	OK	OK	
RAYNOLDS PASS	434	125	1.2	1.8	125	none	ОК	ОК	OK	OK	OK	OK	
RAYNOLDS PASS	435	72	0.1	1.6	72	none	ОК	OK	OK	OK	OK	OK	
RAYNOLDS PASS	436	72	2	0.2	72	none	ОК	OK	OK	OK	OK	OK	
GREYCLIFF EAST	437	84	1.9	1.6	84	none	ОК	OK	OK	OK	OK	OK	No improvement needed.
GREYCLIFF EAST	438	84	2.5	1.5	84	none	ок	ОК	ОК	ОК	ОК	OK	
GREYCLIFE FAST	439	84	2.8	2	84.5	none	OK	OK	OK	OK	OK	OK	
GREYCLIEE EAST	440	85	23	17	85	none	OK	OK	OK	OK	OK	OK	
GREVCLIFE EAST	441	84.5	2.5	1.7	84.5	none	OK	OK	OK	OK	OK	OK	
GREVCLIFE EAST	1/12	84	1.6	1.5	84	none	OK	OK	OK	OK	OK	OK	
CDEVCLIEF FAST	442	04	1.0	1.2	04	none	OK	OK	OK	OK	OK	OK	1
	445	04	0.4	14	04	none	OK	OK	OK	OK	OK	OK	-
	444	04	0.0	1.4	04	none	OK OK	OK	OK	OK	OK OK	OK	-
GREYCLIFF EAST	445	84	0.1	1.1	84	none	UK OK	UK OK	UK OK	UK	UK	UK	-
GREYCLIFF EAST	446	83	0.7	1.2	83	none	OK	OK	OK	UK	OK	UK	
GREYCLIFF EAST	447	84	0.5	1.2	84	.25' or less	ОК	OK	OK	OK	OK	OK	
GREYCLIFF EAST	448	83.5	0.6	1.5	83.5	none	ОК	ОК	OK	ОК	OK	OK	
GREYCLIFF EAST	461	56.5	0.3	2	56.5	none	OK	ОК	OK	NO	OK	OK	
GREYCLIFF WEST	449	84	1.8	1.2	84	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	Maintenance to address trip hazard.
GREYCLIFF WEST	450	84	1.5	0.8	84	none	ОК	ОК	OK	OK	OK	OK	4
GREYCLIFF WEST	451	83.5	0.6	1.1	83.5	none	ОК	ОК	OK	OK	OK	OK	
GREYCLIFF WEST	452	83.5	1.6	1.6	83.5	none	OK	OK	OK	OK	OK	OK	
GREYCLIFF WEST	453	84	0.9	1.5	84	none	ОК	ОК	OK	OK	OK	OK	
GREYCLIFF WEST	454	83	0.9	1.6	83	none	ОК	ОК	OK	OK	OK	OK	
GREYCLIFF WEST	455	84.5	0.2	1.5	84.5	.25' or less	ОК	ОК	OK	OK	OK	OK	
GREYCLIFF WEST	456	84	1.2	1.4	84	.25' or less	ОК	ОК	ОК	OK	OK	OK	
GREYCLIFF WEST	457	84	1.1	1.5	84	none	ОК	ОК	ОК	ОК	OK	ОК	
GRFYCLIFF WEST	458	83	0.2	0.8	83	.25' or less	ОК	ОК	ОК	ОК	ОК	OK.	1
GREYCLIFF WEST	.50 450	57 75	2 2	1 /	57 75	none	ОК	ОК	OK	NO	OK	OK	1
GREYCLIFF WEST	4.09	83.5	2.3	1.4	83 5	.25' or less	ОК	ОК	OK	OK	OK	OK	1
	400	55.5	2.2	1	55.J	5' or greater	OK	OK	OK	NO	NO	ADDRESS	Poplace 60' of sidewalk with
HARLOWTON	402	54	5.8		54	25' to 5'	OK	OK	OK	OK	OK	ADDRESS	reprace of or suewark with
HARLOWTON	463	93.5	0.4	1.7	93.5	.25 t0 .5	OK	OK	OK	OK	OK	UK OK	reconstruction.
HARLOW ION	464	115./5	1.9	2.5	115./5	.25 or less	UK OK	UK OK	OK		OK	UK	4
HARLOWTON	465	121	1.8	2.5	121	.25° or less	UK	OK	UK	UK	UK	OK	4
HARLOWTON	466	122	3.1	1.8	122	none	ОК	ОК	UK	UK	UK	OK	4
HARLOWTON	467	121.5	3.2	0.4	121.5	none	OK	ОК	OK	OK	OK	OK	4
HARLOWTON	468	84.5	5.2	1.8	84.5	.25' to .5'	ОК	NO	OK	OK	OK	ADDRESS	1
HARLOWTON	469	160	2.2	2.4	160	.25' or less	ОК	ОК	OK	OK	OK	OK	4
HARLOWTON	470	114.5	2.5	2.2	114.5	.25' or less	ОК	ОК	OK	OK	OK	OK	4
HARLOWTON	471	98.5	2.2	1.6	98.5	none	OK	OK	OK	OK	OK	OK	
HARLOWTON	472	99	1.3	0.4	99	.25' or less	ОК	ОК	OK	OK	OK	OK	
HARLOWTON	473	94.5	4.6	0.3	94.5	.25' to .5'	ОК	ОК	OK	OK	OK	OK	1
HARLOWTON	474	95.5	0.3	1.5	95.5	.25' or less	ОК	ОК	OK	OK	OK	OK	
HARLOWTON	475	160.5	1.3	0.2	160.5	.25' or less	ОК	ОК	ОК	ОК	OK	ОК	
HARLOWTON	476	94.5	0.5	2.1	94.5	.25' to .5'	ОК	ОК	ОК	ОК	OK	OK	1
HARLOWTON	477	199	3.7	0.4	100	25' or less	ОК	ОК	ОК	OK	ОК	OK .	1
HARLOWTON	478	95.5	0.8	2.4	95.5	.25' or less	ОК	ОК	ОК	ОК	ОК	OK	1

									-			-	-
							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
HARLOWTON	479	96.25	2.8	1.3	96.25	.25' or less	ОК	ОК	OK	OK	OK	OK	
HARLOWTON	480	95	0.4	0.6	95	25' or less	OK	OK	OK	OK	OK	OK	
HARLOWTON	481	96	0.5	0.8	95	25' or less	OK	OK	OK	OK	OK	OK	
HARLOWTON	482	192.25	3.9	0.0	192 25	25' to 5'	OK	OK	OK	OK	OK	OK	
HARLOWTON	/83	125.25	11	0.1	125.25	25' or less	OK	OK	OK	OK	OK	OK	
HARLOWTON	405	01 75	0.2	1.7	01 75	25' to 5'			OK	OK	OK	OK	
HARLOWTON	404	106.25	0.2	1.7	106.25	.25 to .5			OK	OK	OK	OK	
HARLOWTON	405	110.25	1.4	4.7	110.25	25' or loss			NO	OK	OK	ADDRESS	
HARLOWTON	400	01.5	0.2	4.7	01.5	25' or loss			OK	OK	OK	ADDRESS	
HARLOWTON	487	91.5	0.2	2.8	91.5	.25 or less	UK OK	OK	OK OK	UK OK	OK	UK OK	
HARLOWTON	400	127.75	4.5	2.1	127.73	none	UK OK	UK OK	OK OK	UK	UK OK	UK OK	
ARMINGTON JUNCTION	489	48	1.7	1.5	48	none	OK	OK	OK	NO	OK	UK	Replace 180' of sidewalk with
ARMINGTON JUNCTION	490	48	1.6	0.5	48	none	ОК	ОК	OK	NO	OK	OK	rehabilitation.
ARMINGTON JUNCTION	491	48	1	1.2	48	.5' or greater	OK	OK	OK	NU	NO	ADDRESS	
ARMINGTON JUNCTION	492	60	1.1	0.2	60	none	ОК	ОК	OK	OK	ОК	OK	
ARMINGTON JUNCTION	493	60	0.7	1.1	60	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	
ARMINGTON JUNCTION	494	60	0.6	1.7	60	.25' to .5'	ОК	ОК	OK	OK	ОК	OK	
ARMINGTON JUNCTION	495	48	1	0.2	48	.25' to .5'	ОК	ОК	OK	NO	ОК	OK	
ARMINGTON JUNCTION	496	48	0.5	0.8	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	
ARMINGTON JUNCTION	497	48	0.5	0.8	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	
ARMINGTON JUNCTION	498	48	2	3.1	48	.5' or greater	OK	OK	NO	NO	NO	ADDRESS	
ARMINGTON JUNCTION	499	48	1.3	1.2	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
ARMINGTON JUNCTION	500	48	0.8	1.7	48	.25' to .5'	OK	ОК	OK	NO	OK	OK	
ARMINGTON JUNCTION	501	45	0.2	0.3	45	.25' to .5'	NO	ОК	OK	NO	OK	OK	
ARMINGTON JUNCTION	502	48	0.7	0.1	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS	
ARMINGTON JUNCTION	503	46	0.4	0.8	46	none	NO	OK	OK	NO	OK	OK	
ARMINGTON JUNCTION	504	48	0.4	0.9	48	.25' to .5'	OK	OK	OK	NO	ОК	OK	1
ARMINGTON JUNCTION	505	48	1.4	1.3	48	none	ОК	OK	OK	NO	OK	OK	1
ARMINGTON JUNCTION	506	121	2.9	0.8	121	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
ARMINGTON JUNCTION	507	47.5	0.7	0.9	47.5	.25' or less	NO	OK	OK	NO	ОК	OK	1
ARMINGTON JUNCTION	508	48	0.2	2.7	48	.25' or less	ОК	ОК	OK	NO	OK	OK	
ARMINGTON JUNCTION	509	47	1.5	1.7	47	none	NO	OK	OK	NO	ОК	OK	
ARMINGTON JUNCTION	510	48	0.4	1.4	48	.25' or less	OK	OK	OK	NO	ОК	OK	
ARMINGTON JUNCTION	511	44	3	1.3	44	.25' to .5'	NO	ОК	OK	NO	OK	OK	
ARMINGTON JUNCTION	512	47	2.1	2.5	47	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	
ARMINGTON JUNCTION	513	48	0.2	1.4	48	none	OK	ОК	OK	NO	OK	OK	
ARMINGTON JUNCTION	514	47.5	2.2	1.4	47.5	.25' to .5'	NO	ОК	OK	NO	OK	OK	
DEARBORN SOUTH	515	96	1	1.4	96	.25' to .5'	OK	OK	OK	OK	OK	OK	Maintenance to address trip hazards.
DEARBORN SOUTH	516	95.5	0.4	1.4	95.5	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	No improvement recommended for
DEARBORN SOUTH	517	96.25	0.5	1.1	96.25	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	cross slope due to isloated condition.
DEARBORN SOUTH	518	96.75	0.6	0.9	96.75	.25' or less	OK	ОК	OK	OK	OK	OK	
DEARBORN SOUTH	519	96	0.4	0.7	96	.25' to .5'	ОК	OK	OK	OK	OK	OK	
DEARBORN SOUTH	520	96	1.2	1.6	96	.25' or less	OK	OK	OK	OK	OK	OK	
DEARBORN SOUTH	521	96	1.3	1.9	96	.25' or less	ОК	ОК	OK	OK	OK	OK	
DEARBORN SOUTH	522	96	1.5	1.9	96	none	ОК	ОК	OK	OK	OK	OK	
DEARBORN SOUTH	523	94.5	1.5	2	94.5	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	
DEARBORN SOUTH	524	69	4.8	4.7	69	.5' or greater	OK	ОК	NO	OK	NO	ADDRESS	
DEARBORN SOUTH	525	71	2	1.3	71	.25' or less	ОК	ОК	OK	OK	ОК	OK	
DEARBORN SOUTH	526	45	0.5	1.2	45	none	NO	ОК	OK	NO	ОК	OK	
DEARBORN SOUTH	527	42.5	1.9	0.9	42.5	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	
DEARBORN SOUTH	528	72	0.6	0.4	72	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	
DEARBORN SOUTH	529	74	1.2	1.5	74	.25' or less	OK	OK	OK	OK	OK	OK	
DEARBORN SOUTH	530	90	0.1	1.5	90	.25' or less	ОК	ОК	OK	OK	OK	OK	
DEARBORN SOUTH	531	40.5	0	0.3	40.5	.25' to .5'	NO	OK	OK	NO	OK	OK	
DEARBORN SOUTH	532	96	3	0.4	96	none	UK	UK	UK	UK	UK	UK	
DEARBORN NORTH	533	66.25	1.6	0.6	66.25	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	Maintenance to address trip hazards.
DEARBORN NORTH	534	95	1	2.1	95	none	OK	OK	OK	OK	OK	UK	
DEARBORN NORTH	535	96	0.5	2.1	96	none	ОК	ОК	OK	OK	OK	OK	
DEARBORN NORTH	536	96	1	1.9	96	none	OK	OK	OK	OK	OK	OK	
DEARBORN NORTH	537	95	0.7	1.9	95	.25' to .5'	OK	ОК	OK	OK	OK	UK	
DEARBORN NORTH	538	95.5	0.8	2.1	95.5	none	UK OK	OK	OK	OK	OK	UK OK	
	539	90.25	0.9	1./	90.25	25' or los-	OK	OK	OK	OK	OK	OK	1
	540	94.5	0.3	1./	94.5	25' or loss	OK	OK	OK	OK	OK	OK	1
	541	92	0.7	1.1	92	12J UI 1855	NO	OK	OK	NO	OK	OK	1
	542	52 5	1.9	16	44 52 5	none	OK	OK	OK	NO	OK	OK	1
	545	70.25	1.5	1.0	70.25	5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
DEARBORN NORTH	545	77.25	0.2	0.4	77.25	25' or less	OK	OK	OK	OK	OK	OK	
DEARBORN NORTH	545	52	0.1	17	58	.25' or less	ОК	OK	OK	NO	OK	OK	1
DEARBORN NORTH	547	52 5	0.2	0.8	52.5	none	OK	ОК	OK	NO	OK	OK	
DEARBORN NORTH	548	95.5	4.1	1	95.5	.25' or less	OK	ОК	OK	OK	OK	OK	
DEARBORN NORTH	549	72.25	4.1	0.5	72.25	.25' or less	OK	OK	OK	OK	OK	OK	
LYONS CREEK SOUTH	550	43	1	23	43	25' or less	NO	OK	OK	NO	OK	OK	Replace 140' of sidewalk with
LYONS CREEK SOUTH	551	46	0.2	2.1	46	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	rehabilitation.
LYONS CREEK SOUTH	552	45.5	0.6	1.2	45.5	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREFK SOUTH	553	47.5	0.7	2.3	47.5	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREFK SOUTH	554	46.25	0.5	1.2	46.25	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREEK SOUTH	555	47	0.1	1.7	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREEK SOUTH	556	47.75	0.6	1.8	47.75	.5' or greater	NO	ОК	OK	NO	NO	ADDRESS	
LYONS CREEK SOUTH	557	45	0.4	2.1	45	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREEK NORTH	558	50	2.1	2.4	50	.25' to .5'	ОК	ОК	OK	NO	ОК	ОК	Replace 140' of sidewalk with
LYONS CREEK NORTH	559	48	1.5	1.7	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	rehabilitation.
LYONS CREEK NORTH	560	47	3.8	2.6	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREEK NORTH	561	45	0.9	0.8	45	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREEK NORTH	562	44	1.2	2.7	44	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	J
LYONS CREEK NORTH	563	48	2.3	1.2	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	J
LYONS CREEK NORTH	564	47.5	3.6	1.5	47.5	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
LYONS CREEK NORTH	565	65.5	6.3	0.2	65.5	.25' or less	OK	NO	OK	ОК	OK	ADDRESS	J
LYONS CREEK NORTH	566	72	7.3	1.4	72	.25' or less	OK	NO	OK	OK	OK	ADDRESS	

							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN Trip	_Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
ALBERTON WEST	567	47.5	2.7	1.8	47.5 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	Remove all degraded sidewalk and
ALBERTON WEST	568	48.5	0.7	1.1	48.5 .5' o	or greater	OK	OK	OK	NO	NO	ADDRESS	replace 140' of sidewalk with
ALBERTON WEST	569	48.5	6.7	2.8	48.5 .5' 0	or greater	OK	NO	OK	NO	NO	ADDRESS	rehabilitation.
ALBERTON WEST	571	49	1.6	10.8	49.50	to 5'	NO	OK	OK	NO	OK	ADDRESS OK	
ALBERTON WEST	572	45	2.4	1.0	45 .5' 0	or greater	NO	OK	OK	NO	NO	ADDRESS	
ALBERTON WEST	573	47	9.7	1	47 .25'	or less	NO	NO	OK	NO	ОК	ADDRESS	
ALBERTON WEST	574	53.5	8.3	6.8	53.5 .25	or less	ŌК	NO	NO	NO	OK	ADDRESS	
ALBERTON WEST	575	53.5	6	6.4	53.5 .25'	to .5'	ОК	NO	NO	NO	OK	ADDRESS	
ALBERTON WEST	576	41	7.9	2.8	41 .25'	or less	NO	NO	OK	NO	OK	ADDRESS	
ALBERTON WEST	577	41	9.5	0.3	41 .25'	to .5'	NO	NO	OK	NO	OK	ADDRESS	
ALBERTON WEST	578	42	3.3	2	42 .25	to .5'	NO	OK	OK	NO	OK	OK	
ALBERTON WEST	579	93	0.5	1.1	93.5'0	or greater	UK	OK	OK	OK	NO	ADDRESS	
ALDERTON WEST	560	47	0.7	0.5	47.5 0	or loss	NO		OK	NO		ADDRESS	
ALBERTON WEST	582	45	1.1	0.3	86.5'0	or greater	OK	OK	OK	OK	NO	ADDRESS	
ALBERTON WEST	583	46	1.3	0.9	46 none	ne	NO	OK	OK	NO	OK	OK	
ALBERTON WEST	584	49	2	49	49 .5' o	or greater	ОК	ОК	NO	NO	NO	ADDRESS	
ALBERTON WEST	585	53	2	2.1	53 .5' o	or greater	ОК	OK	OK	NO	NO	ADDRESS	
ALBERTON WEST	586	39	10	2.1	39 none	ne	NO	NO	OK	NO	OK	ADDRESS	
ALBERTON WEST	587	42.5	1.5	4.6	42.5 none	ne	NO	OK	NO	NO	OK	ADDRESS	
ALBERTON EAST	588	48.5	2.4	2.1	48.5 none	ne –	OK	OK	OK	NO	OK	OK	Remove all degraded sidewalk and
ALBERTON EAST	589	48.5	2.2	2.1	48.5 .25	to .5'	OK	OK	OK	NO	OK	OK	replace 140' of sidewalk with
ALBERTON EAST	590	48	0.8	0.7	48 none	le or loss	OK	OK	OK	NO	OK	OK	renabilitation.
ALBERTON EAST	592	48	1.5	0.0	99 25'	to 5'		OK	OK	OK	OK	OK	
ALBERTON FAST	593	57.5	4.4	1.8	57.5.25	or less	OK	OK	OK	NO	OK	OK	
ALBERTON EAST	594	42	1.4	2.2	42 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	
ALBERTON EAST	595	43	0.2	1.1	43 .25'	'to .5'	NO	ОК	OK	NO	OK	OK	
ALBERTON EAST	596	98	1.4	0.8	98 .5' o	or greater	ОК	OK	OK	ОК	NO	ADDRESS	
QUARTZ FLATS WEST	597	60	0.2	1.2	60 .25	or less	OK	OK	OK	ОК	OK	OK	Remove all sidewalk and replace 400' of
QUARTZ FLATS WEST	598	59.5	0.6	3.6	59.5 .5' o	or greater	ОК	OK	NO	NO	NO	ADDRESS	sidewalk with reconstruction.
QUARTZ FLATS WEST	599	60	2.4	0.6	60 .25'	or less	ОК	OK	OK	ОК	OK	OK	
QUARTZ FLATS WEST	600	60	1.3	1.4	60 none	ne	OK	OK	OK	OK	OK	OK	
QUARTZ FLATS WEST	601	55.75	0.8	3.3	55.75 .25	or less	OK	OK	NO	NO	OK	ADDRESS	
QUARTZ FLATS WEST	602	59	03	2.3	60 25	to 5'		OK	OK	OK	OK	OK	
OUARTZ FLATS WEST	604	56.25	0.3	1.3	56.25 .25	or less	OK	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	605	58	0.3	0.4	58 none	ne	OK	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	606	45	0.9	1.2	45 .25'	or less	NO	ОК	OK	NO	OK	OK	
QUARTZ FLATS WEST	607	28.5	0.9	0.1	28.5 .25'	to .5'	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	608	48	0.7	0.7	48 .5' o	or greater	OK	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS WEST	609	38	0.6	1.1	38 .25'	to .5'	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	610	24.5	0.1	0.4	24.5 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARIZ FLATS WEST	611	46	0.6	1.1	46.25	to .5	NO	OK	UK NO	NO	OK	UK	
OLIARTZ FLATS WEST	613	44	0.3	4.0	44 .25	to 5'	NO	OK	OK	NO	OK	OK OK	
QUARTZ FLATS WEST	614	142	2.8	1.5	142 .25	'to .5'	ОК	OK	OK	ОК	OK	OK	
QUARTZ FLATS WEST	615	70	1.1	1.9	70 none	ie	ОК	OK	OK	OK	OK	OK	
QUARTZ FLATS WEST	616	71	3.4	0.9	71 .5' o	or greater	ОК	OK	OK	OK	NO	ADDRESS	
QUARTZ FLATS WEST	617	46.25	0.1	1.4	46.25 .25	to .5'	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	618	48	0.5	0.6	48 .25'	or less	OK	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	619	39.5	0.9	2.9	39.5 .5' 0	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS WEST	620	31.5	0.6	1.9	31.5 .25	to .5	NO	OK	OK	NO	OK	OK	
OUARTZ FLATS WEST	622	35.5	0.0	0.9	35.5 none	101 1033	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	623	30	0.2	1	30 .25'	or less	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	624	42	1.5	0.4	42 .25	or less	NO	ОК	OK	NO	ОК	OK	
QUARTZ FLATS WEST	625	43	1.6	0.8	43 none	ne	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS WEST	626	40	0.8	1.1	40 .25	or less	NO	OK	OK	NO	ОК	ОК	
QUARTZ FLATS WEST	627	45	0.3	0.7	45 .25	or less	NO	0K	OK	NO	OK	OK	
QUARTZ FLATS WEST	628	45.25	0.9	1.2	45.25 .25	or less	NO	OK	OK		OK	OK	
	629	3/	0.2	1.6	37.25			OK	OK	NO	OK	OK	Remove all sidewalk and realises 4001 -f
QUARTZ FLATS FAST	630	59	0.2	2.1	60.25	or less	OK	OK	OK	OK	OK	OK	sidewalk with reconstruction
QUARTZ FLATS EAST	632	59	0.1	1.2	59.25	or less	OK	OK	OK	NO	OK	ОК	
QUARTZ FLATS EAST	633	58.5	0.3	0.8	58.5 none	ne	OK	OK	OK	NO	ОК	ОК	
QUARTZ FLATS EAST	634	60	1	0.6	60 .25'	to .5'	OK	OK	OK	ОК	OK	ОК	
QUARTZ FLATS EAST	635	59.5	1.4	4	59.5 .5' o	or greater	OK	OK	NO	NO	NO	ADDRESS	
QUARTZ FLATS EAST	636	60	1.6	3.4	60 none	ne	OK	OK	NO	ОК	OK	ADDRESS	
QUARTZ FLATS EAST	637	57.5	0.5	2.1	57.5 .25	to .5'	OK	OK	OK	NO	OK	OK	
QUARIZ FLATS EAST	638	59.5	1.7	1.3	59.5 .25	t0.5		OK	OK	NO	OK	OK	
OUARTZ FLATS EAST	640	4/	0.3	0.2	47.25	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS FAST	641	30	1.3	1.3	30.5' 0	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS EAST	642	44	0.5	0.3	44 .5' o	or greater	NO	ОК	ОК	NO	NO	ADDRESS	
QUARTZ FLATS EAST	643	38	0.5	0.7	38 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS EAST	644	46	0.4	0.9	46 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS EAST	645	48	0.4	0.9	48 .5' o	or greater	OK	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS EAST	646	144	0.9	1.7	144 .5' o	or greater	OK	OK	OK	OK	NO	ADDRESS	
QUARTZ FLATS EAST	647	72	0.6	0.8	72 .5' 0	or greater	OK	UK OK	OK	OK	NU	ADDRESS	
QUARIZ FLAIS EAST	648	/2	0.7	0.6	/2 .25	ι0.5	OK	OK	OK	NO	OK	OK	
OUARTZ FLATS EAST	650	48 43	0.2	0.1	40.25	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS FAST	651	47	0,5	0.1	47.5'0	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS EAST	652	35	0.3	0.7	35 .25	to .5'	NO	ОК	OK	NO	ОК	OK	
QUARTZ FLATS EAST	653	38	0.2	1.3	38 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	
QUARTZ FLATS EAST	654	46	0.7	2.1	46 .5' o	or greater	NO	OK	OK	NO	NO	ADDRESS	

													1
							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		DECOMPTENDATION
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48	<= 5%	<= 3%	>= 60	< 0.5	COMMENT	RECOMMENDATION
QUARTZ FLATS EAST	655	42	0.9	1.5	42	.25' or less	NO	OK	OK	NO	OK	OK	
	650	50.5	0.2	0.4	50.5	.5 or greater	UK NO	OK	OK	NO	NU OK	ADDRESS	•
OUARTZ FLATS EAST	658	38	0.2	0.2	38	.25' to .5'	NO	OK	OK	NO	OK	OK	
QUARTZ FLATS EAST	659	39	0	0.9	39	.25' or less	NO	OK	OK	NO	OK	OK	
DENA MORA EAST	660	93	0.7	2.7	93	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	Replace 440' of sidewalk with
DENA MORA EAST	661	94	0.3	3.9	94	.5' or greater	ОК	OK	NO	OK	NO	ADDRESS	rehabilitation due to condition.
DENA MORA EAST	662	93	1.8	1.5	93	.25' to .5'	ОК	OK	OK	OK	OK	OK	
DENA MORA EAST	663	96	0.1	2	96	.25' to .5'	OK	OK	OK	OK	OK	OK	
DENA MORA EAST	664	94	1.3	1.4	94	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
DENA MORA EAST	665	94	1.4	2.1	94	.25' to .5'	ОК	OK	OK	OK	OK	OK	
DENA MORA EAST	666	94	2	0.8	94	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
DENA MORA EAST	667	93.5	1.8	3.9	93.5	.5' or greater	OK	OK	NO	OK	NO	ADDRESS	
DENA MORA EAST	668	93.5	1.1	2.1	93.5	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
DENA MORA EAST	670	94.5	2.2	2.7	94.5	25' to 5'	OK	OK	OK	OK		ADDRESS	
DENA MORA EAST	671	61.5	0.1	2.1	61.5	25' to 5'	OK	OK	OK	OK	OK	OK	
DENA MORA EAST	672	63	2.8	1.6	63	.25' or less	ОК	OK	OK	OK	OK	OK	
DENA MORA EAST	673	62	4.4	0.1	62	.25' or less	OK	OK	OK	OK	OK	OK	
DENA MORA EAST	674	62	0.2	1.1	62	.5' or greater	ОК	OK	ОК	OK	NO	ADDRESS	
DENA MORA EAST	675	60	0	2.9	60	.25' to .5'	ОК	OK	ОК	OK	OK	OK	
DENA MORA EAST	676	58	0.8	3.1	58	.25' to .5'	OK	OK	NO	NO	OK	ADDRESS	
DENA MORA EAST	677	60	0.2	1.4	60	.5' or greater	ОК	OK	ОК	OK	NO	ADDRESS	
DENA MORA EAST	678	59	0.9	1.9	59	.5' or greater	ОК	OK	OK	NO	NO	ADDRESS	
DENA MORA EAST	679	64.5	2.4	0.2	64.5	.25' to .5'	ОК	ОК	ОК	OK	OK	OK	
DENA MORA EAST	680	61	0.3	2.9	61	.25' to .5'	OK	OK	OK	OK	OK	OK	
DENA MORA EAST	681	63	3.5	1.3	63	.25' to .5'	OK	OK	OK	OK	OK	UK	
DENA MORA WEST	682	98	0.4	2.3	98	.25' or less	OK	OK	OK		OK	OK	Replace 440° of sidewalk with
DENA WORA WEST	604	96	0.7	1./	9b 04 F	25' to 5'	OK	OK	OK	OK	OK	OK	reconstruction due to condition.
DENA WORA WEST	685	94.5 QC	0.6	1.8	94.5	.25' or less	OK	OK	OK	OK	OK	OK OK	1
DENA MORA WEST	686	94	1.7	1.5	94	.5' or greater	ОК	ОК	OK	ок	NO	ADDRESS	1
DENA MORA WEST	687	94	0,6	2.9	94	.25' to .5'	OK	OK	OK	ОК	OK	OK	1
DENA MORA WEST	688	95	1.4	3.2	95	.5' or greater	OK	OK	NO	OK	NO	ADDRESS	
DENA MORA WEST	689	93	1.7	2.3	93	.5' or greater	ОК	ОК	ОК	ОК	NO	ADDRESS	
DENA MORA WEST	690	94	1.8	3	94	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
DENA MORA WEST	691	63.5	1.3	1.7	63.5	.25' to .5'	ОК	OK	OK	OK	OK	OK	
DENA MORA WEST	692	63	0.6	0.4	63	.25' or less	ОК	OK	OK	OK	OK	OK	
DENA MORA WEST	693	63	1	0.5	63	.25' or less	ОК	OK	OK	OK	ОК	OK	
DENA MORA WEST	694	59.5	1.2	0.9	59.5	.25' or less	ОК	OK	ОК	NO	OK	OK	
DENA MORA WEST	695	60	0.4	2.7	59.5	.5' or greater	ОК	ОК	ОК	NO	NO	ADDRESS	
DENA MORA WEST	696	60	0.2	3.4	60	.25' or less	OK	OK	NO	OK	OK	ADDRESS	
DENA MORA WEST	697	94.5	0.6	0.5	94.5	.25 t0.5	OK	UK	OK	OK	OK	UK	
DENA MORA WEST	699	64	8.1	0.1	64	none	OK	NO	OK	OK	OK	ADDRESS	
DENA MORA WEST	700	63	11.9	0.5	63	none	ОК	NO	OK	OK	OK	ADDRESS	
DENA MORA WEST	701	63.5	1.2	0.1	63.5	.25' or less	OK	OK	OK	OK	OK	OK	
DENA MORA WEST	702	63.5	1.5	3.5	63.5	.25' or less	OK	OK	NO	OK	OK	ADDRESS	
DENA MORA WEST	703	61.25	3	3.4	61.25	.25' or less	ОК	ОК	NO	OK	ОК	ADDRESS	
TROY	704	60	9.9	2.7	60	.5' or greater	ОК	NO	OK	OK	NO	ADDRESS	Replace 80' of sidewalk with
TROY	705	60	0.8	2.3	50	none	ОК	OK	OK	NO	OK	OK	rehabilitation.
TROY	706	60	0.3	1.9	60	.25' or less	ОК	OK	OK	OK	ОК	OK	
TROY	707	60	1	2.9	60	.25' or less	ОК	OK	OK	OK	OK	OK	
TROY	708	60	0.4	3.3	60	.25' or less	ОК	ОК	NO	OK	OK	ADDRESS	
TROY	709	60	1	2.8	60	.25' or less	OK	OK	OK	OK	OK	OK	
TROY	710	60.5	1.0	2.4	60.5	.25 of less	OK	OK	OK	OK	OK	OK	
TROY	711	60	1.2	2.9	60	25 or loss			NO	OK	OK	ADDRESS	
TROY	712	46 5	2.9	0.8	46.5	25' to 5'	NO	OK	OK	NO	OK	OK	
TROY	714	48	0,8	0.2	48	.25' or less	OK	OK	OK	NO	OK	OK	1
TROY	715	39	0.6	0.6	39	.25' or less	NO	ОК	OK	NO	ОК	ОК	1
TROY	716	36	0.7	1.5	36	.25' to .5'	NO	OK	OK	NO	OK	ОК	
TROY	717	46	4.7	1.8	46	.25' or less	NO	OK	OK	NO	OK	ОК	
TROY	718	48	6.9	0.5	48	.25' to .5'	OK	NO	OK	NO	OK	ADDRESS	1
TROY	719	48	2.8	0.8	48	.25' to .5'	ОК	OK	OK	NO	ОК	OK	1
TROY	720	122	0.8	0.6	122	.25' or less	OK	OK	OK	ОК	OK	OK	4
TROY	721	48	4.5	0.8	48	.25' or less	OK	OK	OK	NO	OK	OK	
TROY	722	47	0.6	0.2	47	.25 t0 .5'		OK	OK	NO	OK	OK	1
IKOY TROY	723	45.5	2.1	0.8	45.5	.∠⊃ UF IESS	NO	OK	OK	NO	OK	OK	1
TROY	724	46	0.0	1 2	35 26	.25' or less	NO	OK	OK	NO	OK	OK OK	1
TROY	726	48	3	0.1	48	.25' to .5'	OK	OK	OK	NO	OK	OK	1
DUPUYFR	727	48	0,4	1.8	48	.25' to .5'	ОК	OK	OK	NO	ОК	OK	Replace 40' of sidewalk with
DUPUYER	728	48	1	2.9	48	.25' to .5'	ОК	OK	OK	NO	ОК	OK	rehabilitation.
DUPUYER	729	48	0.4	1.6	48	.25' to .5'	ОК	ОК	OK	NO	ОК	ОК	1
DUPUYER	730	101	0.5	1.2	101	none	ОК	OK	OK	ОК	ОК	OK	
DUPUYER	731	48	6.1	3	48	.25' or less	ОК	NO	OK	NO	OK	ADDRESS	
DUPUYER	732	46	0.4	3.8	46	.25' to .5'	NO	OK	NO	NO	OK	ADDRESS	
SWEET GRASS	733	60	3.2	1.6	60	none	OK	ÖK	OK	ОК	OK	ОК	Replace 160' of sidewalk with
SWEET GRASS	734	60	2.1	3.1	60	.25' to .5'	ОК	OK	NO	ОК	ОК	ADDRESS	rehabilitation.
SWEET GRASS	735	60	0.2	0.4	60	.25' or less	OK	OK	OK	OK	OK	OK	4
SWEET GRASS	736	60	1.1	1.6	60	.25' to .5'	OK	OK	OK	OK	OK	OK	4
SWEET GRASS	737	60	2	5.1	60	.5 or greater	OK	UK OK	NU		NO	ADDRESS	4
SWEET GRASS	738	60	1.6	2.2	60	.5 or greater	OK	OK	OK	UK NO	NO	ADDRESS	4
SWEET GRASS	739	59	0.3	2.3	59	5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
SWEET GRASS	740	60	0.0	2.9	00 60	5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
SWEET GRASS	/41	00	0.1	1.9	00	or greatel	51	51				AUDILU00	4

oome tilleonolas taly i				cottabiliti						1			
							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
SWEET GRASS	743	61 59	3.1	2.4	59 59	.25' or less	OK	OK	OK	OK NO	OK	OK	
SWEET GRASS	745	59	2.5	2.2	59	.25' to .5'	OK	OK	OK	NO	ОК	OK	
SWEET GRASS	746	57.5	4.7	2.6	57.5	.25' to .5'	OK	OK	OK	NO	ОК	OK	
SWEET GRASS	747	59	6.2	1	59	.5' or greater	OK	NO	OK	NO	NO	ADDRESS	
SWEET GRASS	748	59.5	2.3	1.2	59.5	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
SWEET GRASS	749	60	1.6	1.7	60	.25' to .5'	OK	OK	OK	OK	OK	OK	
SWEET GRASS	750	57.5	3.8	11	57.5	5' or greater	OK	OK	OK	NO	NO	ADDRESS	
SWEET GRASS	752	60	3.6	1.1	60	.25' to .5'	OK	OK	OK	OK	OK	OK	
CONRAD	753	93.5	1.4	1.4	93.5	.5' or greater	ОК	OK	OK	ОК	NO	ADDRESS	Maintenance to address trip hazards.
CONRAD	754	94	1.8	1.4	94	none	OK	OK	OK	ОК	OK	OK	
CONRAD	755	94.5	0.8	2	94.5	none	OK	OK	OK	OK	OK	OK	
CONRAD	756	94	1.6	2.2	94	none	OK	OK	OK	OK	OK	OK	
CONRAD	757	94.5	0.8	2.6	94.5	.25' to .5'	OK	OK	OK	OK	OK	ADDRESS OK	
CONRAD	759	94	0.1	1.3	94	none	OK	OK	OK	ОК	OK	OK	
CONRAD	760	93.5	1.2	2.2	93.5	none	ОК	OK	OK	ОК	OK	OK	
CONRAD	761	93	0.6	0.6	93	none	OK	OK	OK	OK	ОК	OK	
CONRAD	762	93.5	1.2	0	93.5	none	OK	OK	OK	OK	OK	OK	
CONRAD	763	94.5	0.6	1.5	94.5	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
CONRAD	764	94 69 5	23	0.2	94 69 5	.25 LU .5	OK	OK	OK	OK	OK	OK	
CONRAD	766	70.75	0.3	0.5	70.75	none	OK	OK	OK	ОК	OK	OK	
CONRAD	767	71	0.4	0.7	71	.25' or less	ОК	OK	ОК	ОК	ОК	OK	
CONRAD	768	70.5	0.1	0.1	70.5	none	OK	OK	OK	ОК	OK	OK	
CONRAD	769	69.5	0.8	1.2	69.5	none	OK	OK	OK	OK	OK	OK	
CONRAD	770	96	2.7	1	96	.25' or less	OK	OK	OK	OK	OK	OK	
CONRAD	772	108	11	07	108	none	OK	OK	OK	OK	OK	OK	
CONRAD	773	136	0.2	1.9	136	none	OK	OK	OK	ОК	OK	OK	
CONRAD	774	72.25	0.5	0.6	72.25	.25' or less	OK	OK	OK	ОК	ОК	OK	
TETON SOUTH	775	72	0.8	0	72	none	OK	OK	OK	OK	OK	OK	Replace 40' of sidewalk with
TETON SOUTH	776	66	2.8	0.2	66	.25' to .5'	OK	OK	OK	ОК	ОК	OK	rehabilitation.
TETON SOUTH	777	72	0.8	0.1	72	none	OK	OK	OK	OK	OK	OK	
TETON SOUTH	779	64	3	0.6	7Z 64	none	OK	OK	OK	OK	OK	OK	•
TETON SOUTH	780	66	1.1	0	66	.25' to .5'	OK	OK	OK	OK	OK	OK	
TETON SOUTH	781	71	1.2	0.9	71	.25' to .5'	ОК	OK	ОК	ОК	ОК	OK	
TETON SOUTH	782	72	2.5	2.2	72	none	OK	OK	OK	ОК	ОК	OK	
TETON SOUTH	783	85	1.8	2.4	85	.5' or greater	OK	OK	OK	ОК	NO	ADDRESS	
TETON SOUTH	784	76	2.7	3.3	76	.5' or greater	OK	OK	NO	OK	NO	ADDRESS	
TETON SOUTH	785	72	1.2	0.8	72	25 or less	OK	OK	OK	NU OK	OK	OK	•
TETON SOUTH	787	72	1.4	0.6	72	.25' or less	OK	OK	OK	OK	OK	OK	
TETON NORTH	788	71	1.4	0.3	71	none	OK	OK	OK	ОК	OK	OK	Replace 80' of sidewalk with
TETON NORTH	789	71	4	2.4	71	none	OK	OK	OK	ОК	OK	OK	rehabilitation.
TETON NORTH	790	71.5	4.1	1.5	71.5	none	ОК	OK	OK	ОК	ОК	OK	
TETON NORTH	791	72	0.8	1.8	72	none	OK	OK	OK	OK	OK	OK	
TETON NORTH	792	72 75	0.4	2.5	71	none 5' or groater	OK	OK	NO	OK	NO		
TETON NORTH	793	72.73	5	0.8	72.73	none	OK	OK	OK	OK	OK	OK	
TETON NORTH	795	71.25	6	1.9	71.25	none	OK	NO	OK	ОК	ОК	ADDRESS	
TETON NORTH	796	72.5	2.2	0.2	72.5	none	OK	OK	OK	OK	OK	OK	
TETON NORTH	797	72.5	1.5	0.5	72.5	none	OK	OK	OK	OK	OK	OK	
TETON NORTH	798	72	0.7	0.7	72	none	OK	OK	OK	OK	OK	OK	
TETON NORTH	799	67	4.3	0.7	67	none	OK		OK	OK	OK	ADDRESS	
TETON NORTH	801	66	6.9	2.9	66	none	OK	NO	OK	ОК	OK	ADDRESS	
JEFFERSON CITY SOUTH	802	44	0.4	2.6	44	.25' or less	NO	OK	OK	NO	ОК	ADDRESS	Remove all and replace 500' of sidewalk
JEFFERSON CITY SOUTH	803	48	1.7	3.2	48	.25' or less	ОК	OK	NO	NO	OK	ADDRESS	with reconstruction due to condition.
JEFFERSON CITY SOUTH	804	47.5	0.5	5.2	47.5	.25' or less	NO	OK	NO	NO	OK	ADDRESS	4
JEFFERSON CITY SOUTH	805	50	1.6	4.4	50	.25' to .5'	UK	OK	NO	NO	OK	ADDRESS	4
JEFFERSON CITY SOUTH	806	47	11.2	0.9	47 81	.25 (0.5 5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
JEFFERSON CITY SOUTH	808	47	2.6	0.3	47	.25' to .5'	NO	OK	OK	NO	OK	ADDRESS	1
JEFFERSON CITY SOUTH	809	48	6.5	2.5	48	.5' or greater	ОК	NO	OK	NO	NO	ADDRESS]
JEFFERSON CITY SOUTH	810	48	0	4	48	.25' to .5'	OK	OK	NO	NO	OK	ADDRESS	1
JEFFERSON CITY SOUTH	811	48	4.8	4	48	.25' or less	ОК	OK	NO	NO	ОК	ADDRESS	
JEFFERSON CITY SOUTH	812	47.5	5.8	2.4	47.5	.25' to .5'	NO	NO	OK	NO	OK	ADDRESS	
JEFFERSON CITY SOUTH	813	/1.5	2.4	4.3	/1.5	5 or greater	NO		OK	NO	NO	ADDRESS	•
JEFFERSON CITY SOUTH	815	48.5	0.3	2.4	48.5	.25' or less	OK	OK	OK	NO	OK	OK	
JEFFERSON CITY SOUTH	816	47	1.5	0.6	47	.25' or less	NO	OK	OK	NO	ОК	OK	
JEFFERSON CITY SOUTH	817	48	11.2	4.8	48	.25' to .5'	OK	NO	NO	NO	OK	ADDRESS	1
JEFFERSON CITY SOUTH	818	46	2.6	0.9	46	.25' or less	NO	OK	OK	NO	OK	ADDRESS	4
JEFFERSON CITY SOUTH	819	46	1.5	0.2	46	.25' or less	NO	OK	UK	NO	OK	ADDRESS	4
JEFFERSON CITY SOUTH	820	45.5 12	2.6	3.6	45.5	25' to 5'	NO	OK	NO	NO	OK	ADDRESS	1
JEFFERSON CITY SOUTH	821	43 57.5	6.9	23	43 57 5	.5' or greater	OK	NO	OK	NO	NO	ADDRESS	1
JEFFERSON CITY SOUTH	823	67	11.7	1.4	67	.25' to .5'	OK	NO	ОК	ОК	ОК	ADDRESS	1
JEFFERSON CITY SOUTH	824	48	2.9	3	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS]
JEFFERSON CITY SOUTH	825	45	1.2	0.3	45	none	NO	OK	ОК	NO	OK	ОК	
JEFFERSON CITY SOUTH	826	48	4.2	1.7	48	none	OK	OK	OK	NO	OK	OK	4
JEFFERSON CITY SOUTH	827	47	3	2.6	47	.5 or greater	NU	OK	OK		NO	ADDRESS	Romovo all and roplace 500' of side-
	828	93.5 07	1.6	1.1	93.5	.5 or greater	OK	OK	OK	OK	NO	ADDRESS	with rehabilitation
VISTA POINT	830	96.5	0.8	0.7	96.5	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
Proposed criteria for rehabilitation or replacement of sidewalk at existing MDT Safety Rest Areas. (i) If running slope was measured to be greater than 5% = Address issues. (ii) If cross slope was measured to be greater than 3.0% = Address issues. (ii) If trip hazard was measured to be greater than 0.5" = Address issues. (iii) Width was not considered for replacement unless condition was severely degraded as determined by visual field inspection. Some thresholds vary from PROWAG in order to help establish minimum criteria considered for rehabilitation or reconstruction of sidewalks.

							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
VISTA POINT	831	96	3.4	0.3	96	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
VISTA POINT	832	51	0.5	2.2	51	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
VISTA POINT VISTA POINT	834	52.5	1.4	0.7	52.5	.5' or greater	OK	NO	OK	NO	NO	ADDRESS	
VISTA POINT	836	91.75	1	2.3	91.75	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
VISTA POINT	837	88	2.5	2.8	88	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	
VISTA POINT	838	89	2.7	11.4	89	.5' or greater	OK	OK	NO	OK	NO	ADDRESS	
VISTA POINT	839	93	2.2	5.3	93	.25' to .5'	OK	OK	NO	OK	OK	ADDRESS	
VISTA POINT	840	74.5	0.7	1.4	/4.5	.25' to .5'	OK	OK	UK NO	OK	OK NO		4
VISTA POINT VISTA POINT	842	93.5	3.2	2.9	93.5	.5 of greater	OK	OK	OK	OK	OK	OK OK	
VISTA POINT	843	73.5	2.8	2	93.5	.5' or greater	OK	OK	OK	OK	NO	ADDRESS	1
VISTA POINT	844	72	2.8	4.5	72	.25' to .5'	OK	OK	NO	OK	ОК	ADDRESS	
VISTA POINT	845	75	3.5	6.3	75	.25' to .5'	OK	OK	NO	OK	OK	ADDRESS	
VISTA POINT	846	70	2.8	2.4	93.5	.25' to .5'	OK	OK	OK	OK	OK	OK	
VISTA POINT	847	181	1.3	2.9	181	.25' or less	OK	OK	OK	OK	OK	OK	4
VISTA POINT VISTA POINT	848	98	34	0.7	98	25 or less	OK	OK	NO	OK	OK	ADDRESS	4
VISTA POINT	850	80	3.2	1.4	80	.25' or less	OK	OK	OK	OK	OK	OK	
HOMESTAKE EAST	851	48	0.4	0.8	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	Remove all and replace 240' of sidewalk
HOMESTAKE EAST	852	48.5	1	1	48.5	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	with rehabilitation.
HOMESTAKE EAST	853	48	1.2	0.3	48	.25' or less	ОК	OK	OK	NO	OK	OK	
HOMESTAKE EAST	854	49	0.9	0.3	49	.25' to .5'	OK	OK	OK	NO	OK	OK	
HOMESTAKE EAST	855	48	0.5	2.2	48	.25' to .5'	OK	OK	OK	NO	OK	OK	4
HOMESTAKE EAST	850	48	0.7	0.6	48	5 or greater		OK	OK	NO	NO	ADDRESS	4
HOMESTAKE FAST	858	41	2,4	0.4	44	.25' to .5'	NO	OK	OK	NO	OK	OK	1
HOMESTAKE EAST	859	47	0.5	0	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	1
HOMESTAKE EAST	860	48	1.1	0.2	48	.5' or greater	ОК	ОК	OK	NO	NO	ADDRESS]
HOMESTAKE EAST	861	47	1	1.9	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
HOMESTAKE EAST	862	48	2.8	2	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
HOMESTAKE EAST	863	40	1.6	1.1	40	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	4
HOMESTAKE EAST	864	49	1	0.3	49	.5' or greater	OK OK	OK	UK	NO	NO	ADDRESS	
DIVIDE SOUTH	865	96	0.3	2.8	96	none	OK	OK	OK	OK	OK	OK	No improvement needed.
DIVIDE SOUTH	866	96	0.5	1	96	none	OK	OK	OK	OK	OK	OK	4
DIVIDE SOUTH	868	76	0.1	0.7	76	none	OK	OK	OK	OK	OK	OK	1
DIVIDE SOUTH	869	96	0.7	1.0	96	none	ОК	OK	OK	OK	OK	OK	1
DIVIDE SOUTH	870	96.25	0.4	0.3	96.25	none	ОК	OK	OK	OK	OK	OK	1
DIVIDE SOUTH	871	95.5	0.1	0.7	95.5	none	ОК	OK	ОК	OK	OK	OK	
DIVIDE SOUTH	872	52	3.2	2.7	52	none	ОК	OK	OK	NO	OK	OK	
DIVIDE SOUTH	873	61	0.1	0.6	61	none	OK	OK	OK	OK	OK	OK	
DIVIDE SOUTH	874	63	0	1	63	none	ОК	OK	OK	OK	OK	OK	
DIVIDE SOUTH	875	51	4.8	1.1	51	none	OK	OK	OK	NO	OK	OK	
DIVIDE SOUTH	8/6	50.5	0.8	0.8	50.5	none	OK	OK	OK	NO	OK	OK	
	8//	58	0.5	1.1	58	none	OK	OK	OK	NU	OK	OK	A four spot logations are not compliant
DIVIDE NORTH	878	96	0.5	12	96	none	OK	OK	OK	OK	OK	OK	No improvement recommended due to
DIVIDE NORTH	880	95	0.3	0.9	95	none	OK	OK	OK	OK	OK	OK	new facility and isolated condition.
DIVIDE NORTH	881	95.5	2	1.4	95.5	none	ОК	OK	ОК	OK	OK	OK	
DIVIDE NORTH	882	70	0.9	1	70	none	OK	OK	OK	OK	OK	OK	
DIVIDE NORTH	883	96	0.9	0.8	96	none	ОК	OK	ОК	OK	OK	OK	
DIVIDE NORTH	884	96	0.8	1.3	96	none	OK	OK	OK	OK	OK	OK	
DIVIDE NORTH	885	95	0.7	1	95	none	OK	OK	OK	OK	OK	OK	
DIVIDE NORTH	887	69	0.2	0.9	69	none	OK	OK	OK	OK	OK	OK	1
DIVIDE NORTH	888	60	0.2	2.1	60	none	ОК	OK	OK	OK	OK	OK	1
DIVIDE NORTH	889	59	0.1	0.9	59	none	ОК	OK	OK	NO	ОК	ОК	
DIVIDE NORTH	890	60	0.2	1.1	60	none	OK	OK	OK	ОК	ОК	ОК	
DIVIDE NORTH	891	53	0	0.9	53	none	OK	OK	OK	NO	ОК	ОК	
DIVIDE NORTH	892	63	1	0.8	63	none	OK	OK	OK	ОК	OK	ОК	4
DIVIDE NORTH	893	54	0.6	3.7	54	none	OK	OK	NO	NO	OK	ADDRESS	4
	894	62	0.1	0.6	62	none	OK	OK	OK	NO	OK	OK	4
DIVIDE NORTH	896	53	0.2	0.4	59	none	OK	OK	OK	NO	OK	OK OK	
LOST TRAIL PASS	897	63	2.2	1.6	63	.25' to .5'	OK	OK	OK	ОК	OK	OK	Replace 140' of sidewalk with
LOST TRAIL PASS	898	63.5	0.2	1.8	63.5	.25' to .5'	OK	OK	OK	ОК	ОК	ОК	rehabilitation.
LOST TRAIL PASS	899	62	0.7	4.3	62	.25' to .5'	ОК	OK	NO	ОК	ОК	ADDRESS	
LOST TRAIL PASS	900	63	3	2.4	63	.25' or less	ОК	OK	OK	OK	OK	ОК	
LOST TRAIL PASS	901	63	5	1.1	63	.25' or less	OK	ОК	OK	ОК	ОК	ОК	4
LOST TRAIL PASS	902	62	5.6	0.9	62	.25' or less	OK	NO	OK	OK	OK	ADDRESS	4
LOST TRAIL PASS	903	59	1.2	0.2	59	.25' to .5'	OK	OK	OK	NO	OK	OK	4
LUST TRAIL PASS	904	60	5.2	0.4	60	25' or less	OK	NO	OK	OK	OK	ADDRESS	4
	905	6/	0.5	2.4	00	none	OK	OK	NO	OK	OK	ADDRESS	1
LOST TRAIL PASS	907	62.5	1.4	3.2	62 5	none	OK	ОК	NO	OK	ОК	ADDRESS	1
LOST TRAIL PASS	908	63.5	1.9	1.6	63.5	.5' or greater	OK	OK	OK	ОК	NO	ADDRESS	1
LOST TRAIL PASS	909	64.5	0.5	1.4	64.5	.25' or less	ОК	ОК	OK	ОК	ОК	ОК	
LOST TRAIL PASS	910	63	1.8	2.1	63	.25' or less	OK	OK	OK	OK	OK	ОК	
LOST TRAIL PASS	911	60	0.9	0.9	60	.25' to .5'	OK	ОК	OK	ОК	ОК	ОК	
LOST TRAIL PASS	912	60.25	0.5	0.7	60.25	.25' or less	OK	OK	OK	OK	OK	OK	4
LOST TRAIL PASS	913	60	0.6	1.4	60	.25' or less	UK	OK	OK	UK	UK	OK	Deplete 4001 of side 11 11
RED ROCKS SOUTH	914	47	0.5	1	47	.5 or greater	NO	OK	OK	NO	NO	ADDRESS	Replace 100" of sidewalk with
RED ROCKS SOUTH	915	4/	1.3	1.2	47	5' or greater	NO	OK	OK	NO	NO	ADDRESS	i chabilitation.
RED ROCKS SOUTH	917	47	0.2	0.9	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	1
RED ROCKS SOUTH	918	47	0.4	0.1	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	1
LIMA	919	72	0.8	0.2	72	.5' or greater	OK	OK	OK	ОК	NO	ADDRESS	Replace 160' of sidewalk with

Proposed criteria for rehabilitation or replacement of sidewalk at existing MDT Safety Rest Areas. (1) If running slope was measured to be greater than 5% = Address issues. (2) If cross slope was measured to be greater than 3.0% = Address issues. (3) If trip hazard was measured to be greater than 0.5" = Address issues. (4) Width was not considered for replacement unless condition was severely degraded as determined by visual field inspection. Some thresholds vary from PROWAG in order to help establish minimum criteria considered for rehabilitation or reconstruction of sidewalks.

							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P WidthIN	Trip Hazar	>= 48"	<= 5%	<= 3%	>= 60"	< 0.5"	COMMENT	RECOMMENDATION
LIMA	920	72	0.2	2.6	72	.5' or greater	ок	ОК	ОК	ОК	NO	ADDRESS	rehabilitation.
LIMA	921	72	3.3	1.4	72	none	OK	OK	OK	OK	OK	OK	
LIMA	922	72	2.5	1.9	72	.25' or less	ОК	OK	ОК	ОК	ОК	OK	
LIMA	923	72.5	3	2.7	72.5	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS]
LIMA	924	73	2.7	1.9	73	.5' or greater	OK	ОК	OK	OK	NO	ADDRESS	
LIMA	925	72	2.1	2.5	72	.25' or less	OK	OK	OK	OK	OK	OK	
LIMA	926	73.5	1.9	2	72	.5' or greater	ОК	ОК	OK	OK	NO	ADDRESS	
LIMA	927	72	3.8	1.4	72	.25' or less	ОК	ОК	OK	OK	OK	OK	
LIMA	928	73	0.8	0.6	73	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
LIMA	929	72	0.4	0.6	72	.25' to .5'	ОК	OK	OK	OK	ОК	OK	
LIMA	930	72.5	4.6	0.2	72.5	.25' to .5'	OK	OK	OK	OK	OK	OK	
LIMA	931	72	0.4	1	72	.5' or greater	ОК	ОК	OK	ОК	NO	ADDRESS	
LIMA	932	110	1	0.7	110	none	ОК	ОК	OK	ОК	OK	OK	
LIMA	933	120	1.4	2.3	120	.5' or greater	ОК	ОК	ОК	ОК	NO	ADDRESS	
LIMA	934	76.5	0.2	0.5	76.5	none	OK	OK	OK	OK	OK	OK	
LIMA	935	72	0.5	2.1	72	.25' or less	ОК	ОК	OK	OK	OK	OK	
LIMA	936	60	0.5	2.7	60	none	OK	OK	OK	OK	OK	UK OK	
LIMA	937	60	0.6	1.1	60	.25 or less	UK	UK OK	OK	UK	UK	UK	
RED ROCKS NORTH	938	48	0.5	2.8	48	.25' to .5'	UK	OK	OK	NU	UK	UK	Remove all and replace 100' of sidewalk
RED ROCKS NORTH	939	47	0.1	0.5	47	.5 or greater	NU	OK OK	OK	NO	NO	ADDRESS	with renabilitation.
RED ROCKS NORTH	940	47.5	0.6	2	47.5	.5 or greater	NO	OK	OK	NO	NO	ADDRESS	
RED ROCKS NORTH	941	47.5	0.7	0.2	47.5	.5 or greater	NU	OK OK	OK	NO	NO	ADDRESS	
RED ROCKS NORTH	942	44	0.1	2.1	44	.5 or greater	NU	UK OK	OK	NU	NU	ADDRESS	
ANACONDA	943	95	1.8	2.5	95	none	OK	OK	OK	OK	OK	OK OK	Remove and replace 260° of sidewalk
ANACONDA	944	95	1.5	2.5	95	.25 (U.5	OK	OK	OK	OK	OK	OK	with renabilitation, including sidewark
ANACONDA	945	94	1.8	1.0	94	.25 or less	OK	OK	OK	OK	OK	OK	removed for parking expansion.
ANACONDA	940	94.5	0.2	2.1	94.3	25' to 5'			OK	OK	OK	OK	
	947	94 04 F	0.2	2.1	94 04 F	25' to 5'	OK	OK	OK	OK	OK	OK	1
	948	94.5 0F	0.1	1.9	94.5	25' to 5'	OK	OK	OK	OK	OK	OK	1
	949	95	2.4	2.2	95	5' or greater	OK	OK	NO	OK	NO	ADDRESS	1
ANACONDA	950	55.5	0.2	3.5	55.5	25' to 5'			OK	OK		ADDRESS	
ANACONDA	951	71 5	0.2	1.0	71 5	25' to 5'			OK	OK	OK	OK	
ANACONDA	952	71.5	1.3	1.0	71.3	25' to 5'	OK	OK	OK	OK	OK	OK	
ANACONDA	955	73	2.1	0.4	73	25' or loss			OK	OK	OK	OK	
ANACONDA	954	72	2.1	11	72	25' or less	OK	OK	OK	OK	OK	OK	
ANACONDA	955	72	2.2	1.1	72	25' to 5'			OK	OK	OK	OK	
ANACONDA	957	73	19	0.5	73	25' or less	OK	OK	OK	OK	OK	OK	
ANACONDA	958	73	2.5	1.4	73	25' or less	OK	OK	OK	OK	OK	OK	
ANACONDA	959	72	0.4	0.4	72	none	OK	ОК	OK	OK	OK	OK	
ANACONDA	960	72	0.1	0.7	73	none	OK	OK	OK	OK	OK	OK	
ANACONDA	961	72 5	0.1	0.3	72 5	none	OK	OK	OK	OK	OK	OK	
ANACONDA	962	71.5	0.4	0.4	71.5	.5' or greater	OK	ОК	OK	OK	NO	ADDRESS	
ANACONDA	963	72	0.5	2.4	72	.25' to .5'	OK	OK	OK	OK	OK	OK	
ANACONDA	964	71	0.5	2.3	71	.25' or less	OK	OK	OK	OK	OK	OK	
ANACONDA	965	71.5	0.2	2.7	71.5	.25' to .5'	OK	OK	OK	OK	OK	OK	
ANACONDA	966	60	0.7	1.4	60	.25' or less	OK	OK	OK	OK	OK	OK	
ANACONDA	967	55.5	0.5	1.4	55.5	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
ANACONDA	968	60	0.6	2.8	60	.25' or less	OK	OK	OK	ОК	ОК	OK	
ANACONDA	969	91.5	1.7	0.2	91.5	none	ОК	ОК	OK	OK	OK	OK	
ANACONDA	970	67	2.1	0.5	67	none	ОК	ОК	OK	ОК	OK	OK	
ANACONDA	971	55.5	0.7	0.7	55.5	.25' to .5'	OK	ОК	OK	NO	OK	OK	
ANACONDA	972	60.5	1	0.8	60.5	none	OK	ОК	OK	ОК	OK	OK	
ANACONDA	973	60	0.1	0.1	60	none	OK	OK	OK	ОК	OK	OK	
ANACONDA	974	96.5	2.1	0.9	96.5	.5' or greater	OK	OK	OK	ОК	NO	ADDRESS	
ANACONDA	975	95	3.5	1.5	95	none	OK	ОК	OK	OK	OK	OK	
ANACONDA	976	96	2.2	3.6	96	.5' or greater	OK	ОК	NO	ОК	NO	ADDRESS	
ROCK CREEK WEST	977	47	1.1	5.8	47	.5' or greater	NO	OK	NO	NO	NO	ADDRESS	Replace 140' of sidewalk with
ROCK CREEK WEST	978	48	1.9	1.9	48	.25' to .5'	OK	ОК	OK	NO	OK	OK	rehabilitation.
ROCK CREEK WEST	979	48	1.3	2.9	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	1
ROCK CREEK WEST	980	46	0.3	3.2	46	.5' or greater	NO	OK	NO	NO	NO	ADDRESS	1
ROCK CREEK WEST	981	47	0.2	3	47	.25' to .5'	NO	OK	OK	NO	ОК	OK	1
ROCK CREEK WEST	982	46	0.3	0.5	46	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	4
ROCK CREEK WEST	983	47	0.3	3.7	47	.25' or less	NO	OK	NO	NO	OK	ADDRESS	4
ROCK CREEK WEST	984	47	0.9	1.6	47	.25' or less	NO	OK	OK	NO	OK	OK	4
ROCK CREEK WEST	985	47	2	1.5	47	.25' or less	NO	OK	OK	NO	OK	OK	4
ROCK CREEK WEST	986	47	1.4	0.6	47	.25' or less	NO	OK	UK	NO	UK OK	OK	4
KUCK CREEK WEST	987	48	1.1	1.7	48	.25 or less	UK	UK	UK	NO	UK OK	OK	4
ROCK CREEK WEST	988	47	2	1	47	.25 or less	NU	OK	OK	NO	OK	OK OK	4
RUCK CREEK WEST	989	47.5	0.6	1.7	47.5	.25 OF IESS	NO	OK	OK	NO	OK	UK OK	4
ROCK CREEK WEST	990	47	0.4	1.4	47	none	NO	OK	OK	NO	OK	OK	
ROCK CREEK WEST	991	48	0.1	1.5	48	.25 OF IESS		OK	OK	NO	OK	UK OK	4
ROCK CREEK WEST	992	47	0.5	1.6	47	.25 t0 .5		OK	OK	NO	NO	ADDRESS	4
ROCK CREEK WEST	993	55	1.1	0.9	55	25' to 5'	OK	OK	OK	NO	OK	ADDRESS	1
ROCK CREEK WEST	994	48	0.1	0.3	47	25' or loss	OK	OK	OK	NO	OK	OK	1
ROCK CREEK WEST	995	48 10 F	0.6	1 1	48 10 F	25' or loss	OK	OK	OK	NO	OK	OK	1
BOCK CREEK WEST	590	40.5	0.2	1.1	40.5	5' or greater	OK	OK	OK	OK	NO		1
ROCK CREEK WEST	997	204	1	1.4	204	25' or loss	NO	OK	OK	NO	OK	ADDRESS	1
	348	40	0.4	0.0	40	12J UI 1855	OK	OK	OK	OK	OK	OK	No improvement needed
	1000	84 01	1.1	2.1	64 02	none	OK	OK	OK	OK	OK	OK	no improvement needed.
BEARMOUTH EAST	1000	03	2	2.3	65 01	none	OK	OK	OK	OK	OK	OK	1
BEARMOLITH EAST	1001	03 Q/	1 1	2.1	63 9 <i>1</i>	25' or less	OK	OK	OK	OK	OK	OK	1
BEARMOLITH EAST	1002	04 92 E	1.1	2.0	04 82 E	none	OK	OK	OK	OK	OK	OK	1
BEARMOLITH EAST	1003	78 5	1.5	2.0	78 5	25' to 5'	OK	OK	OK	OK	OK	OK	1
BEARMOUTH FAST	1004	, 0.5 87	2.4	2.1	/8.5 87	.25' to 5'	OK	OK	OK	OK	ОК	OK OK	1
BEARMOLITH FAST	1005	82	2.0	2.5	92	.25' to 5'	ОК	OK	OK	OK	ОК	OK OK	1
BEARMOUTH FAST	1000	82	1.6	2.0	23	.25' to 5'	ОК	OK	OK	OK	ОК	OK OK	1
SE WINDOTTI LAST	1007	03	1.0	2.1	33		<u> </u>	<i></i>	1-11	1	2.0		

Proposed criteria for rehabilitation or replacement of sidewalk at existing MDT Safety Rest Areas. ① If running slope was measured to be greater than 5% = Address issues. ② If cross slope was measured to be greater than 3.0% = Address issues. ③ If trip hazard was measured to be greater than 0.5" = Address issues. ④ Width was not considered for replacement unless condition was severely degraded as determined by visual field inspection. Some thresholds vary from PROWAG in order to help establish minimum criteria considered for rehabilitation or reconstruction of sidewalks.

··· ·· ·· ·· · · · · · · · ·													
							WIDTH	SLOPE	CROSS SLOPE	PASSING WIDTH	TRIP HAZ		DECOMPLETION
Location	OBJECTID	WidthIN	SlopePER	CrossSlope	P_WidthIN	Trip_Hazar	>= 48	<= 5%	<= 3%	>= 60"	< 0.5	COMMENT	RECOMMENDATION
BEARMOUTH EAST	1008	83	2.5	1.3	83	none	OK	OK	OK	OK	OK	OK	
BEARMOUTH EAST	1003	113 5	2.2	0.5	113 5	25' to 5'	OK	OK	OK	OK	OK	OK	
BEARMOUTH EAST	1010	60	1.2	1	60	.25' to .5'	OK	OK	OK	OK	OK	OK	
BEARMOUTH EAST	1012	60	1.9	1	60	none	ОК	ОК	OK	OK	OK	OK	
BEARMOUTH WEST	1013	84.5	1.9	1.1	84.5	none	ОК	OK	OK	OK	OK	OK	No improvement needed.
BEARMOUTH WEST	1014	84	2	0.1	84	none	ОК	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1015	84	0.3	2.5	84	none	ОК	OK	OK	OK	ОК	OK	
BEARMOUTH WEST	1016	84	0.6	1.9	84	none	OK	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1017	79	0.9	2.4	79	none	OK	OK	OK	OK	OK	OK	
BEARMOLITH WEST	1018	83.5	5.7	2.7	83.5	none	OK	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1015	82	2	1.9	82	none	ОК	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1021	81	1.8	2.5	81	none	OK	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1022	84	1.4	2.1	84	none	ОК	OK	ОК	OK	OK	OK	
BEARMOUTH WEST	1023	85	2.4	2	84	none	ОК	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1024	84.5	1.4	1.9	84.5	none	OK	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1025	85	2.5	2	85	none	ОК	OK	ОК	OK	OK	OK	
BEARMOUTH WEST	1026	84	0.9	2.3	84	none	OK	OK	OK	OK	OK	OK	
BEARMOUTH WEST	1027	84	2.1	1	61	none	OK	OK	OK	OK	OK	OK	
BEARMOLITH WEST	1028	52	2.5	2.1	52	none	OK	OK	OK	NO	OK	OK	
BEARMOUTH WEST	1020	72	1.7	0.2	72	none	ОК	ОК	OK	OK	OK	OK	
BEARMOUTH WEST	1030	55	2.5	0.3	55	none	ОК	OK	OK	NO	OK	OK	
BEARMOUTH WEST	1032	60	3.1	0.5	60	none	ОК	OK	ОК	OK	OK	OK	
ROCK CREEK EAST	1033	47	0.9	2.7	47	.5' or greater	NO	OK	ОК	NO	NO	ADDRESS	Replace 240' of sidewalk with
ROCK CREEK EAST	1034	47	0.5	3.6	47	.5' or greater	NO	OK	NO	NO	NO	ADDRESS	rehabilitation.
ROCK CREEK EAST	1035	47	1	3.3	47	.25' or less	NO	OK	NO	NO	OK	ADDRESS	
ROCK CREEK EAST	1036	47	1.3	2.3	47	.5' or greater	NO	OK	ОК	NO	NO	ADDRESS	
ROCK CREEK EAST	1037	48	1.6	0.6	48	.5' or greater	OK	OK	OK	NO	NO	ADDRESS	
ROCK CREEK EAST	1038	47	1.7	1.8	47	.25' to .5'	NO	OK	OK	NO	UK NO	UK	
ROCK CREEK EAST	1039	40	1.4	2.8	40	5' or greater	OK	OK	OK	NO	NO	ADDRESS	
ROCK CREEK EAST	1040	48		0.3	48	.5' or greater	ОК	OK	OK	NO	NO	ADDRESS	
ROCK CREEK EAST	1042	47	0.9	0.2	47	.25' to .5'	NO	OK	OK	NO	OK	OK	
ROCK CREEK EAST	1043	48	1	0.7	48	.5' or greater	ОК	OK	ОК	NO	NO	ADDRESS	
ROCK CREEK EAST	1044	48	0.3	0.5	48	.25' to .5'	ОК	OK	OK	NO	OK	OK	
ROCK CREEK EAST	1045	46.5	0.2	0.1	46.5	.25' to .5'	NO	OK	OK	NO	OK	OK	
ROCK CREEK EAST	1046	47	0.6	0.6	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
ROCK CREEK EAST	1047	48	1.6	0.8	48	.25' to .5'	OK	OK	OK	NO	OK	OK	
ROCK CREEK EAST	1046	47	1.3	0.7	47	25' to 5'		OK	OK	NO	OK	OK	
ROCK CREEK EAST	1045	46	2.1	0.2	46	.25' to .5'	NO	OK	OK	NO	OK	OK	
ROCK CREEK EAST	1051	48	1	0.5	48	.25' or less	ОК	OK	OK	NO	OK	OK	
ROCK CREEK EAST	1052	203	1.5	0.4	203	.5' or greater	ОК	OK	OK	OK	NO	ADDRESS	
ROCK CREEK EAST	1053	47	0.2	1.2	47	.25' to .5'	NO	OK	ОК	NO	OK	OK	
ROCK CREEK EAST	1054	47	0.7	0.5	47	.25' or less	NO	OK	ОК	NO	OK	OK	
ROCK CREEK EAST	1055	47	3.2	0.6	47	.5' or greater	NO	OK	OK	NO	NO	ADDRESS	
CLEARWATER	1056	60	1.3	3	60	.25° or less	OK OK	OK	UK	OK	OK	UK	Replace 160' of sidewalk with
	1057	57	0.7	3.4	57	.5 or loss	OK	OK	NO	NO		ADDRESS	renabilitation.
CLEARWATER	1058	48	0.4	4.2	48	.25' or less	OK	OK	OK	NO	OK	OK	1
CLEARWATER	1060	47.5	0.5	0.2	47.5	.25' or less	NO	OK	OK	NO	ОК	ОК	
CLEARWATER	1061	55.5	0.4	4	55.5	.25' or less	ОК	OK	NO	NO	OK	ADDRESS	
CLEARWATER	1062	57.5	0.5	2.1	57.5	.25' or less	OK	OK	OK	NO	OK	ОК	1
CLEARWATER	1063	48	1	0.8	60	.25' or less	ОК	OK	OK	OK	OK	ОК	4
CLEARWATER	1064	60	1.8	1.3	60	.25' or less	OK	OK	OK	OK	OK	OK	4
CLEARWATER	1065	58.5	2.2	3.1	58.5	.25 Or less	OK	OK	OK	NO	OK	ADDRESS	1
CLEARWATER	1060	57	2	2.5	57	none	OK	OK	OK	NO	OK	OK	
CLEARWATER	1068	55	3.2	2.8	55	.25' to .5'	OK	OK	OK	NO	OK	OK	1
CLEARWATER	1069	60	0.5	1.3	60	none	OK	OK	OK	OK	OK	OK	
CLEARWATER	1070	60	1.4	0.3	60	none	OK	OK	OK	OK	OK	ОК]
CLEARWATER	1071	60	4.2	1.3	60	none	ОК	OK	OK	OK	OK	OK	
CLEARWATER	1072	72	0.7	2.3	60	.25' to .5'	ОК	OK	OK	ОК	OK	ОК	4
CLEARWATER	1073	57	2	1.6	57	none	OK	OK	OK	NO	OK	OK	4
CLEARWATER	1074	52	0.8	0.5	52	none	OK	OK	OK	NO	OK	OK	1
CLEARWATER	1075	54	0.5	0.4	54 67	none	OK	OK	OK	OK	OK	OK OK	1
CLEARWATER	1077	62	0.9	2.0	62	.25' or less	OK	OK	OK	ОК	OK	OK	1
CLEARWATER	1078	52	2.3	1.3	52	.5' or greater	ОК	OK	OK	NO	NO	ADDRESS	
CLEARWATER	1079	52	2.6	0.6	52	.25' to .5'	OK	OK	OK	NO	OK	OK]
CLEARWATER	1080	58.5	0.7	3.6	58.5	.5' or greater	ОК	OK	NO	NO	NO	ADDRESS	1
CLEARWATER	1081	49	0.8	1	60	.25' to .5'	OK	OK	OK	OK	OK	OK	4
CLEARWATER	1082	58.5	0.1	5.2	58.5	.25' or less	OK	OK	NO	NO	OK	ADDRESS	4
CLEARWATER	1083	60	0.4	4.9	60	.25 OF IESS	UK	UK	NU UNI	UK	UK	ADDRESS	

Attachment 13 IMPROVEMENT FIGURES



Remove and replace curb and gutter

Remove and replace 150' non-compliant ADA sidewalk

Add Vaulted Toilet

Add picnic shelter and lighting

A





































Divide North



Dupuyer











Greycliff East

Chip seal parking and ramps, restripe

Remove and replace non-compliant ADA sidewalk

L				
0 m	25 m	50 m	75 m	100 m



Greycliff West











Hathaway West

Write a description for your map.

Remove and replace 800' sidewalk

Remove and replace picnic structures

Replace trees and irrigations system

Add exterior lighting

Remove and replace facilitu

Add 10 stalls truck parking

Google earth

© 2017 Google

Mill & fill parking lot and ramps. Restripe


Jefferson City (North) R.A.

Write a description for your map.

Remove and replace 600' sidewalk

Crack and Chip Seal, Restripe

Remove islands

Add 10 Stalls Truck parking and exterior lighting

Google earth

© 2017 Google











Replace wastwater with a level II treatment system, additional ROW may be necessary.



Replace existing buildings, landscaping, sidewalks, etc for expanded truck parking. Additional ROW necessary.

A DECEMBER OF

Z

90







Attachment 14

SPACING ANALYSIS



