US HIGHWAY 93 · MISSOULA TO FLORENCE

APPENDIX E:

Planning-Level Cost Estimates

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Planning Level Cost Estimates

Planning-level costs were developed for each segment. Costs include estimates for construction, engineering, miscellaneous items, indirect costs. Construction cost estimates are based on unit quantity estimates and price information determined from the MDT Preliminary Estimating Tool (PET), MDT AASHTOWARE Software, and 2023 Bid Archives.

NOTES:

Miscellaneous items include unknown factors and minor bid items. Examples include: right-of-way, utilities, slope and surface treatments, erosion control, and public relations.

Estimates are shown in 2025 dollars and have not been adjusted for inflation to account for an estimated year of expenditure.

MISSOULA TO FLORENCE CORRIDOR	**$**	**203,000,000**	**TOT**
Segment A: Urban/Rural Transition	**$**	**35,100,000**	**TOT**
Segment B: Rural S Curves	**$**	**29,800,000**	**TOT**
Segment C: Lolo Area	**$**	**38,700,000**	**TOT**
Segment D: Rural Highway	**$**	**69,200,000**	**TOT**
Segment E: Florence Area	**$**	**29,900,000**	**TOT**

SEGMENT A: URBAN/RURAL TRANSITION	$	35,100,000	TOT
Suburban Reconstruction	**$**	**35,100,000**	

Buckhouse Bridge to Hayes Creek Rd
RP 90.10 to 87.85

LENGTH (MI)	2.25
WIDTH (FT)	80
SURFACING (IN)	5
CRUSHED TOP (IN)	6
BASE (IN)	12

TYPE	UNITS	QUANTITY	UNIT PRICE	COST
EXCAVATION-UNCLASSIFIED	CUYD	8961.1	$ 16.33	$ 146,310
EXCAVATION-UNCLASS BORROW	CUYD	896.1	$ 5.40	$ 4,839
SPECIAL BORROW-NEAT LINE	CUYD	448.1	$ 29.76	$ 13,333
CRUSHED AGGREGATE COURSE	CUYD	35640.0	$ 56.09	$ 1,999,040
COVER - TYPE 2	SQYD	101640.0	$ 3.39	$ 345,056
PLANT MIX SURF - 1/2 IN	TON	27209.9	$ 52.62	$ 1,431,801
ASPHALT BINDER PG 58V-34	TON	1469.3	$ 954.81	$ 1,402,934
EMULSSIFIED ASPHALT CHFRS-20	TON	181.5	$ 1,764.19	$ 320,201
SIDEWALK-CONCRETE 4"	SQYD	10560.0	$ 61.30	$ 647,315
SIDEWALK-CONCRETE 6"	SQYD	2640.0	$ 231.71	$ 611,717
CURB AND GUTTER-CONC	LNFT	23760.0	$ 88.64	$ 2,106,044
STRIPING & PAVEMENT MARKINGS - URBAN	MILE	2.25	$ 31,827.00	$ 71,611
DRAINAGE PIPE - URBAN	MILE	2.25	$ 425,000.00	$ 956,250
SIGNS - URBAN	MILE	2.25	$ 85,000.00	$ 191,250
LIGHTS - URBAN	MILE	2.25	$ 275,000.00	$ 618,750
SIGNAL UPGRADE	LS	1	$ 75,000.00	$ 75,000
WILDLIFE UNDERCROSSING IMPROVEMENT	EACH	2	$ 500,000.00	$ 1,000,000
MISCELLANEOUS ITEMS			25%	$ 2,735,363
Subtotal 1				$ 14,676,814
TRAFFIC CONTROL (URBAN)			5%	$ 733,841
Subtotal 2				$ 15,410,655
MOBILIZATION			10%	$ 1,541,065
Subtotal 3				$ 16,951,720
CONTINGENCY (MEDIUM RISK)			55%	$ 9,323,446
Subtotal 4				$ 26,275,166
CONSTRUCTION ENGINEERING (CE)			10%	$ 2,627,517
PRELIMINARY ENGINEERING (PE)			10%	$ 2,627,517
Subtotal 5				$ 31,530,200
INDIRECT COSTS (IDC)			11.32%	$ 3,569,219
TOTAL				**$ 35,099,418**

SEGMENT B: RURAL S CURVES $ 29,800,000 TOT

Rural Reconstruction (Median Barrier) $ 20,500,000

Hayes Creek Rd to North of Bird Lane		LENGTH (MI)	1.85
RP 87.85 to 86.00		WIDTH (FT)	76
		SURFACING (IN)	5
		CRUSHED TOP (IN)	6
		BASE (IN)	12

TYPE	UNITS	QUANTITY	UNIT PRICE	COST
EXCAVATION-UNCLASSIFIED	CUYD	19592.6	$ 16.33	$ 319,894
EXCAVATION-UNCLASS BORROW	CUYD	1959.3	$ 5.40	$ 10,580
SPECIAL BORROW-NEAT LINE	CUYD	979.6	$ 29.76	$ 29,152
CRUSHED AGGREGATE COURSE	CUYD	34516.6	$ 56.09	$ 1,936,029
COVER - TYPE 2	SQYD	82486.0	$ 3.39	$ 280,030
PLANT MIX SURF - 1/2 IN	TON	22911.3	$ 52.62	$ 1,205,607
ASPHALT BINDER PG 58V-34	TON	1237.2	$ 954.81	$ 1,181,301
EMULSSIFIED ASPHALT CHFRS-20	TON	147.3	$ 1,764.19	$ 259,865
STRIPING & PAVEMENT MARKINGS - RURAL	MILE	1.85	$ 13,261.25	$ 24,533
DRAINAGE PIPE - RURAL	MILE	1.85	$ 150,000.00	$ 277,500
SIGNS - RURAL	MILE	1.85	$ 13,500.00	$ 24,975
WILDLIFE UNDERCROSSING IMPROVEMENT	EACH	1	$ 500,000.00	$ 500,000
MISCELLANEOUS ITEMS			25%	$ 1,512,367
Subtotal 1				$ 7,561,834
TRAFFIC CONTROL (URBAN)			5%	$ 378,092
Subtotal 2				$ 7,939,925
MOBILIZATION			10%	$ 793,993
Subtotal 3				$ 8,733,918
CONTINGENCY (HIGH RISK)			75%	$ 6,550,438
Subtotal 4				$ 15,284,356
CONSTRUCTION ENGINEERING (CE)			10%	$ 1,528,436
PRELIMINARY ENGINEERING (PE)			10%	$ 1,528,436
Subtotal 5				$ 18,341,228
INDIRECT COSTS (IDC)			11.32%	$ 2,076,227
TOTAL				**$ 20,417,455**

Rural Reconstruction (Divided Median) $ 9,300,000

North of Bird Lane to South of Valley Grove Dr		LENGTH (MI)	1.00
RP 87.85 to 84.75		WIDTH (FT)	80
		SURFACING (IN)	5
		CRUSHED TOP (IN)	6
		BASE (IN)	12

TYPE	UNITS	QUANTITY	UNIT PRICE	COST
EXCAVATION-UNCLASSIFIED	CUYD	7965.4	$ 16.33	$ 130,054
EXCAVATION-UNCLASS BORROW	CUYD	796.5	$ 5.40	$ 4,301
SPECIAL BORROW-NEAT LINE	CUYD	398.3	$ 29.76	$ 11,852
CRUSHED AGGREGATE COURSE	CUYD	19439.9	$ 56.09	$ 1,090,377
COVER - TYPE 2	SQYD	46934.0	$ 3.39	$ 159,335
PLANT MIX SURF - 1/2 IN	TON	13012.7	$ 52.62	$ 684,737
ASPHALT BINDER PG 58V-34	TON	702.7	$ 954.81	$ 670,932
EMULSSIFIED ASPHALT CHFRS-20	TON	83.8	$ 1,764.19	$ 147,839
STRIPING & PAVEMENT MARKINGS - RURAL	MILE	1.00	$ 13,261.25	$ 13,261
DRAINAGE PIPE - RURAL	MILE	1.00	$ 150,000.00	$ 150,000
SIGNS - RURAL	MILE	1.00	$ 13,500.00	$ 13,500
MISCELLANEOUS ITEMS			25%	$ 769,047
Subtotal 1				$ 3,845,236
TRAFFIC CONTROL (RURAL)			6%	$ 230,714

	Subtotal 2		$	4,075,950
MOBILIZATION		10%	$	407,595
	Subtotal 3		$	4,483,545
CONTINGENCY (MEDIUM RISK)		55%	$	2,465,950
	Subtotal 4		$	6,949,495
CONSTRUCTION ENGINEERING (CE)		10%	$	694,949
PRELIMINARY ENGINEERING (PE)		10%	$	694,949
	Subtotal 5		$	8,339,393
INDIRECT COSTS (IDC)		11.32%	$	944,019
	TOTAL		**$**	**9,283,413**

SEGMENT C: LOLO AREA $ 38,700,000 TOT

Suburban Reconstruction $ 38,700,000

South of Valley Grove Dr to Delarka Drive S
RP 84.75 to 82.35

LENGTH (MI)	2.4
WIDTH (FT)	80
SURFACING (IN)	5
CRUSHED TOP (IN)	6
BASE (IN)	12

TYPE	UNITS	QUANTITY	UNIT PRICE	COST
EXCAVATION-UNCLASSIFIED	CUYD	9558.5	$ 16.33	$ 156,064
EXCAVATION-UNCLASS BORROW	CUYD	955.9	$ 5.40	$ 5,162
SPECIAL BORROW-NEAT LINE	CUYD	477.9	$ 29.76	$ 14,222
CRUSHED AGGREGATE COURSE	CUYD	38016.0	$ 56.09	$ 2,132,309
COVER - TYPE 2	SQYD	108416.0	$ 3.39	$ 368,059
PLANT MIX SURF - 1/2 IN	TON	29023.9	$ 52.62	$ 1,527,254
ASPHALT BINDER PG 58V-34	TON	1567.3	$ 954.81	$ 1,496,463
EMULSSIFIED ASPHALT CHFRS-20	TON	193.6	$ 1,764.19	$ 341,548
SIDEWALK-CONCRETE 4"	SQYD	11264.0	$ 61.30	$ 690,470
SIDEWALK-CONCRETE 6"	SQYD	2816.0	$ 231.71	$ 652,499
CURB AND GUTTER-CONC	LNFT	25344.0	$ 88.64	$ 2,246,446
STRIPING & PAVEMENT MARKINGS - URBAN	MILE	2.40	$ 31,827.00	$ 76,385
DRAINAGE PIPE - URBAN	MILE	2.40	$ 425,000.00	$ 1,020,000
SIGNS - URBAN	MILE	2.40	$ 85,000.00	$ 204,000
LIGHTS - URBAN	MILE	2.40	$ 275,000.00	$ 660,000
SIGNALS - NEW	LS	2	$ 350,000.00	$ 700,000
SIGNAL UPGRADE	LS	3	$ 75,000.00	$ 225,000
WILDLIFE UNDERCROSSING IMPROVEMENT	EACH	1	$ 500,000.00	$ 500,000
MISCELLANEOUS ITEMS			25%	$ 3,128,970
Subtotal 1				$ 16,144,852
TRAFFIC CONTROL (URBAN)			5%	$ 807,243
Subtotal 2				$ 16,952,094
MOBILIZATION			10%	$ 1,695,209
Subtotal 3				$ 18,647,304
CONTINGENCY (MEDIUM RISK)			55%	$ 10,256,017
Subtotal 4				$ 28,903,321
CONSTRUCTION ENGINEERING (CE)			10%	$ 2,890,332
PRELIMINARY ENGINEERING (PE)			10%	$ 2,890,332
Subtotal 5				$ 34,683,985
INDIRECT COSTS (IDC)			11.32%	$ 3,926,227
TOTAL				**$ 38,610,212**

SEGMENT D: RURAL HIGHWAY $ 69,200,000 TOT

Rural Reconstruction (Divided Median) **$ 69,200,000**

Delarka Drive S to Chief Looking Glass Road
RP 82.35 to 76.85

LENGTH (MI)	5.50
WIDTH (FT)	80
SURFACING (IN)	5
CRUSHED TOP (IN)	6
BASE (IN)	12

TYPE	UNITS	QUANTITY	UNIT PRICE	COST
EXCAVATION-UNCLASSIFIED	CUYD	43809.9	$ 16.33	$ 715,296
EXCAVATION-UNCLASS BORROW	CUYD	4381.0	$ 5.40	$ 23,657
SPECIAL BORROW-NEAT LINE	CUYD	2190.5	$ 29.76	$ 65,185
CRUSHED AGGREGATE COURSE	CUYD	106919.2	$ 56.09	$ 5,997,074
COVER - TYPE 2	SQYD	258134.0	$ 3.39	$ 876,334
PLANT MIX SURF - 1/2 IN	TON	71569.9	$ 52.62	$ 3,766,053
ASPHALT BINDER PG 58V-34	TON	3864.8	$ 954.81	$ 3,690,125
EMULSSIFIED ASPHALT CHFRS-20	TON	460.8	$ 1,764.19	$ 812,940
STRIPING & PAVEMENT MARKINGS - RURAL	MILE	5.50	$ 13,261.25	$ 72,937
DRAINAGE PIPE - RURAL	MILE	5.50	$ 150,000.00	$ 825,000
SIGNS - RURAL	MILE	5.50	$ 13,500.00	$ 74,250
WILDLIFE UNDERCROSSING IMPROVEMENT	EACH	2	$ 500,000.00	$ 1,000,000
WILDLIFE OVERPASS STRUCTURE	EACH	1	$ 5,000,000.00	$ 5,000,000
MISCELLANEOUS ITEMS			25%	$ 5,729,713
Subtotal 1				$ 28,648,563
TRAFFIC CONTROL (RURAL)			6%	$ 1,718,914
Subtotal 2				$ 30,367,477
MOBILIZATION			10%	$ 3,036,748
Subtotal 3				$ 33,404,225
CONTINGENCY (MEDIUM RISK)			55%	$ 18,372,324
Subtotal 4				$ 51,776,549
CONSTRUCTION ENGINEERING (CE)			10%	$ 5,177,655
PRELIMINARY ENGINEERING (PE)			10%	$ 5,177,655
Subtotal 5				$ 62,131,858
INDIRECT COSTS (IDC)			11.32%	$ 7,033,326
TOTAL				**$ 69,165,185**

SEGMENT E: FLORENCE AREA $ 29,900,000 TOT

Suburban Reconstruction $ 29,900,000

Chief Looking Glass Road to Old US 93
RP 76.85 to 74.95

LENGTH (MI)	1.9
WIDTH (FT)	80
SURFACING (IN)	5
CRUSHED TOP (IN)	6
BASE (IN)	12

TYPE	UNITS	QUANTITY	UNIT PRICE	COST
EXCAVATION-UNCLASSIFIED	CUYD	13242.5	$ 16.33	$ 216,214
EXCAVATION-UNCLASS BORROW	CUYD	1324.3	$ 5.40	$ 7,151
SPECIAL BORROW-NEAT LINE	CUYD	662.1	$ 29.76	$ 19,704
CRUSHED AGGREGATE COURSE	CUYD	30096.0	$ 56.09	$ 1,688,078
COVER - TYPE 2	SQYD	85830.0	$ 3.39	$ 291,383
PLANT MIX SURF - 1/2 IN	TON	22977.2	$ 52.62	$ 1,209,076
ASPHALT BINDER PG 58V-34	TON	1240.8	$ 954.81	$ 1,184,700
EMULSSIFIED ASPHALT CHFRS-20	TON	153.3	$ 1,764.19	$ 270,451
SIDEWALK-CONCRETE 4"	SQYD	8917.3	$ 61.30	$ 546,622
SIDEWALK-CONCRETE 6"	SQYD	2229.3	$ 231.71	$ 516,561
CURB AND GUTTER-CONC	LNFT	20064.0	$ 88.64	$ 1,778,437
STRIPING & PAVEMENT MARKINGS - URBAN	MILE	1.90	$ 31,827.00	$ 60,471
DRAINAGE PIPE - URBAN	MILE	1.90	$ 425,000.00	$ 807,500
SIGNS - URBAN	MILE	1.90	$ 85,000.00	$ 161,500
LIGHTS - URBAN	MILE	1.90	$ 275,000.00	$ 522,500
SIGNALS - NEW	LS	2.00	$ 350,000.00	$ 700,000
MISCELLANEOUS ITEMS			25%	$ 2,495,087
Subtotal 1				$ 12,475,435
TRAFFIC CONTROL (URBAN)			5%	$ 623,772
Subtotal 2				$ 13,099,207
MOBILIZATION			10%	$ 1,309,921
Subtotal 3				$ 14,409,127
CONTINGENCY (MEDIUM RISK)			55%	$ 7,925,020
Subtotal 4				$ 22,334,147
CONSTRUCTION ENGINEERING (CE)			10%	$ 2,233,415
PRELIMINARY ENGINEERING (PE)			10%	$ 2,233,415
Subtotal 5				$ 26,800,977
INDIRECT COSTS (IDC)			11.32%	$ 3,033,871
TOTAL				**$ 29,834,847**