ROCKFALL HAZARD CLASSIFICATION AND MITIGATION SYSTEM

FHWA/MT-05-011/8174

Final Report

prepared for
THE STATE OF MONTANA
DEPARTMENT OF TRANSPORTATION

in cooperation with
THE U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

September 2005

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RESEARCH PROGRAMS

Rockfall Hazard Classification and Mitigation System

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16. Abstract

The Montana Department of Transportation (MDT) Rockfall Hazard Classification and Mitigation System research project was initiated in February 2003. Once customized for MDT conditions, the Rockfall Hazard Rating System (RHRS), a nationally recognized rock slope management tool, was selected for implementation in order to provide the information MDT needed to make informed decisions on where to invest safety dollars at rockfall-related locations.

An initial review of the highway system using MDT's TIS ImageViewer was completed. Roughly 2,600 potential rockfall sites were identified. Using a web-based questionnaire, rockfall history and behavior information was gathered for each site from the local maintenance person responsible for the affected portion of roadway. A Preliminary Rating was performed on each identified site. In all, 2,653 sites were visited resulting in 1,869 sites being categorized as either "A" or "B" sites, indicating a potential to produce a hazardous rockfall situation. The remaining sites that were deemed to pose no or a very low threat of a hazardous situation occurring were eliminated from further consideration.

The Detailed Ratings were conducted at the 869 "A" sites. Once the Detailed Ratings were completed, and based on a decision by the MDT Technical Advisory Committee (TAC), only those sites that received a Detailed Rating score greater than 350 points were categorized as A-rated sites. The resulting database contains 368 A-rated sites.

The top 100 "A" rated sites, those with a score greater than 471 points, were further evaluated and had preliminary designs and cost estimates prepared. The designs included only those elements directly associated with rockfall mitigation. This information will allow MDT to include cost and associated benefits as they proceed with development of rockfall mitigation projects.

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Executive Summary

The Montana Department of Transportation (MDT) Rockfall Hazard Classification and Mitigation System research project was initiated in February 2003. The system selected for implementation was the Rockfall Hazard Rating System (RHRS), which is a nationally recognized rock slope management tool. Implementation of the RHRS would provide the information needed by MDT to make informed decisions on where to invest the limited funding available for rockfall mitigation.

As a cost savings, Landslide Technology initiated an inter-agency agreement with the British Columbia Ministry of Transportation and Highways (BCMoTH) to share their fully developed Oracle-based RHRS Database. Several modifications to this database were necessary to make it compatible with MDT's Transportation Information System (TIS), but it represented a subconsultant savings of $85,000 from the original cost proposal to initiate and develop a custom Oracle database. More importantly it also eliminated the potential risk to both the budget and schedule that are common to database development efforts.

Implementation of the RHRS began with an initial screening of the Montana highway system using MDT's extensive photo log system contained within the TIS Image Viewer program. This program includes a highway photograph taken every 10 meters, which allowed the roughly 10,000 miles of roadway to be reviewed in less than a week. In this review, roughly 2,600 sites were identified. Input from the MDT's 123 Maintenance Sections was obtained using a web-based questionnaire that allowed the local Maintenance person directly responsible for each site to provide important rockfall behavior and site observations based on personal experience. Response to the questionnaire was excellent. Several additional sites were added to the pre-screened list by this review.

In all, 2,653 sites were visited as part of the Preliminary Rating Phase beginning in the late summer of 2003. Of these, 1,869 sites were assigned either an "A" or "B" rating indicating that they posed a moderate to high potential to develop a hazardous situation. These sites were incorporated into the Oracle RHRS Database. The remaining sites, those in the "C" category that posed a low threat of a hazardous situation occurring, were eliminated from further consideration.

The Detailed Rating was conducted in the late spring through summer of 2004 at 869 locations. Once the Detailed Ratings were completed and based on a decision by the MDT Technical Advisory Committee (TAC), only those sites that received a Detailed Rating score greater than 350 points were designated as "A" sites, resulting in 368 A-rated sites in the database. A later phase of the project required preparing conceptual mitigation designs and cost estimates for each of the top 100 sites statewide. To accommodate this, those sites receiving a Detailed Rating score of at least 450 points received additional attention to gather preliminary design information.

In the spring of 2005, the top 100 A-rated sites (those with a score greater than 471 points) had preliminary designs and cost estimates prepared. The design concepts included the design elements directly associated with rockfall mitigation. Other possible project design and construction costs not directly related to rockfall mitigation were excluded from the cost analysis. As a result, sites could be compared to each other strictly from a rockfall mitigation standpoint. Other design elements that could add significantly to the project cost could always be added later but including them at this point would not be useful in making rockfall project development decisions.

Implementation of the RHRS was successful and the investment cost of implementation was relatively low with a cost of approximately $150 per site. This was made possible by cost savings associated with the initial screening efforts, the web-based questionnaire for Maintenance input, acquiring the B.C. Oracle Database and by having experienced raters dedicated solely to this activity. These efficiencies provided the ability to expand the work scope to create an interim Microsoft Access fieldwork database for use during both the Preliminary and Detailed Rating Phases and to format the data for transfer to MDT's database while completing all other project requirements and staying within the established budget. Preparing the fieldwork database was required because a delay in acquiring the BCMoTH program did not leave adequate time for MDT to modify it for field use within the established project schedule.

In the following sections, the work efforts and results are described. The data from implementation is included in the Appendices with the Preliminary Ratings contained in Appendix A, the Detailed Ratings contained in Appendix B, and Conceptual Designs and Cost Estimates for Top 100 Sites contained in Appendix C. GIS maps showing the distribution of rockfall sites in each District are contained in Appendix D. For reference, a copy of the RHRS Manual (FHWA Publication No. SA-93-057), which served as the basis for the Montana system, is available in print or online through the FHWA at http://isddc.dot.gov/OLPFiles/FHWA/009767.pdf.

1 Introduction

1.1 Background and Purpose

This project is in response to the Montana Department of Transportation's (MDT) Request for Proposal entitled Rockfall Hazard Classification and Mitigation System (#HWY-306677-JY). The main task of this research project was to customize and implement a rockfall management system statewide to meet the needs of MDT. The objective of the study was to investigate and define the extent of the statewide rockfall conditions, which would allow MDT to have the information necessary to strategically plan a rockfall mitigation program for MDT with the results being:

- A reduction in the overall rockfall hazard to the motoring public,
- Better management of the cost of rockfall maintenance, and
- A reduction in the Department's potential rockfall litigation exposure.

The Rockfall Hazard Rating System (RHRS), a nationally recognized rock slope management system, was selected for customization and implementation. The results of implementation are a comprehensive database of rockfall information for MDT to use in long-term planning and in making practical and informed decisions when developing rockfall mitigation projects.

1.2 Scope

Implementation followed a phased approach in order to complete the work in an efficient and effective manner. The work phases included:

<u>Phase 1 – Initial Tasks</u>

1. Conduct a literature search prior to a Kick-off Meeting to gather pertinent information on various rockfall management systems for discussion at the meeting.
2. Attend Kick-off Meeting.
3. Modify the adopted rockfall hazard classification and mitigation system to meet the needs of the MDT.

<u>Phase 2 – Database Development</u>

Develop a database system by adapting software and configuring it to operate on MDT's Oracle system:

1. Prepare an Oracle database structure and required data entry forms for use with laptop computers.
2. Prepare GIS system.
    a. Obtain existing GIS data layers.
    b. Confirm mapping datum in use by MDT.

3. Perform database quality control.
    a. Beta-test the newly created Oracle RHRS Database and correct any problems before database population.
    b. Verify that the designed database is configured for trouble-free incorporation into the State's Oracle system.

Phase 3 - Initial Screening and Schedule

1. Review MDT Information Services Bureau highway photo logs.
    a. Identify the relative density of rock slopes along the State's highways.
    b. Prioritize the highway inspection effort based on this effort.
2. Obtain maintenance information (questionnaire, phone, or electronically).
    a. Prepare mail and web site questionnaires with historical rating criteria for Maintenance input.
    b. Provide each Maintenance Section a listing of their rockfall sites identified during the photo screening process for their evaluation.
    c. Prepare the initial sequence and schedule of highway inspection using the response information and photo log review.
3. Schedule Preliminary Ratings and, if warranted, Maintenance involvement.
4. Update and confirm the project schedule during the Preliminary Rating process.

Phase 4 – Preliminary Rating

1. Provide the Technical Advisory Committee (TAC) with the proposed Preliminary Rating schedule.
2. Perform Preliminary Ratings and group sites into "A", "B", or "C" ratings with the preliminary ratings performed by trained geologists or engineers to assess the potential for rockfall to reach the roadway as augmented by the historical rockfall activity responses provided by the MDT Maintenance personnel.
3. Enter Preliminary Rating results for the Category "A" and "B" rated slopes into database. These are the slopes that have the potential of creating hazardous conditions. The Category C slopes would not be entered into the database since they pose no threat or only a low potential for creating a hazardous situation.
4. Meet with the TAC to review project status and scope of the data, confirm next the phase of work and identify those slopes that would receive further attention and be evaluated with the Detailed Rating.

Phase 5 - Detailed Rating

1. This work effort assumed that approximately 750 slopes would be in the "A" Category following the Preliminary Ratings.
2. Use either a geologist or an engineer in the Detailed Rating teams, gather specific slope information on A-rated slopes (those scoring 450 points or higher), and prepare the Preliminary Designs and Cost Estimates from the data gathered.
3. Add the Detailed Rating data to the RHRS database to augment the Preliminary Rating information in the system.

4. Meet with the TAC to review the Detailed Rating results and confirm the number of sites where Preliminary Designs and Cost Estimates would be prepared.

Phase 6 - Preliminary Rockfall Mitigation Designs and Cost Estimates

1. Prepare Preliminary Designs for top 100 rated slopes.
   a. Preliminary design concepts would reflect only rockfall mitigation design elements such as excavation, rock bolts, scaling, slope screening, etc. (no incidental construction items, mobilization, or contingencies).
2. Document each of the 100 Preliminary Designs and Cost Estimates on Rockfall Mitigation Cost Estimate Worksheets similar to that shown on Page 74 of the RHRS Participant's Manual.
3. Prepare Preliminary Cost Estimates for the conceptual designs based on researched unit prices including recent MDT bid prices.
4. Include the cost estimate results in the database.

Phase 7 – Finalize Documentation

1. Incorporate the populated RHRS data into the State's Oracle RHRS Database server.
   a. Upload RHRS data contents onto the State's server and confirm that data was assimilated correctly.
   b. Generate forms for user-defined sorting/querying/ranking of the database.

Phase 8 - Reports

1. Provide Quarterly Progress Reports to MDT Research Programs.
   a. All reports will be formatted as stated in the RD&T Transfer Guidelines for the Montana DOT (FHWA/MT-97/8010-1).
2. Complete the on-line RHRS database, and prepare and submit a draft Final report that the project results and includes the following information:
   a. Rating Criteria.
   b. Copies of Forms/Rating Sheets.
   c. Copies of Rockfall Mitigation Cost Estimate Worksheets for each Preliminary Design.
   d. Summary of Ratings.
   e. GIS-based Maps.
   f. References.
3. Meet with MDT to discuss the draft report and Technical Panel review comments.
4. Prepare and submit the Final Rockfall Hazard Classification and Mitigation System Research Report.

1.3 Database Discussion

The Scope of Work included providing a fully functioning, Transportation Information System (TIS) compliant, Oracle database prior to the onset of fieldwork. As an alternative cost saving measure, MDT opted to obtain an existing Oracle RHRS Database from the British Columbia Ministry of Transportation and Highways (BCMoTH) through an interagency agreement and have MDT

Information Services Division (ISD) personnel modify it to meet the needs of MDT and conform to TIS standards. Because the software procurement process was unable to meet the scheduled start of the Preliminary Rating fieldwork, an interim Microsoft Access 2000 database was programmed by Landslide Technology for field use. It was used for both the Preliminary and Detailed Rating Phases. Further discussion of the RHRS databases is included in Section 2.

2 Database Acquisition, Modifications and Implementation

2.1 General

The project implementation schedule assumed a fully functioning TIS compliant Oracle database would be available for use during fieldwork. Delays in finalizing the interagency agreement with BCMoTH postponed obtaining the source code for the Oracle database and did not leave enough time to make the required modifications prior to the start of the Preliminary Ratings. An interim Microsoft Access database was coded by Landslide Technology to store information until the Oracle database could be completed.

The interim Access database was originally intended to be utilized only during the Preliminary Rating Phase with the Oracle database taking its place during the Detailed Rating Phase. It was determined by MDT ISD that the Oracle database would not be ready for the Detailed Rating. The interim Access database was expanded and modified to store the additional field information. The original programming and subsequent expansion of the Access database, coupled with data transfer from the Access database to the Oracle database required significant resources to maintain TIS compliance. However, the Access database programming allowed the project implementation schedule to be met.

2.2 Database Implementation

2.2.1 Oracle RHRS Database

MDT ISD acquired the BCMoTH database structure (source code) in July, 2003. The source code required extensive re-coding to bring it into compliance with MDT's Transportation Information System (TIS), prohibiting the deployment of the database for use in the field. The 26 tables, 28 data entry forms, 8 data reports, and multiple relationships in the database had to be modified to function in a TIS compatible fashion. The modifications included:

- Location protocol for the rockfall hazard sites on the corridor - The supplied database contained the naming convention used by BC, which followed a system significantly different than that used by MDT. Moreover, the inclusion of GPS coordinates required additional modifications.
- Inclusion of site photographs for viewing – Programming was modified to allow photos to be stored within the database and viewable rather than simply storing the photograph file names.

- Calculation of fields/category scores – The BC method of applying the RHRS narrowed the possible fields/category scores, which restricted the potential score separation between sites. The database was modified to allow for a complete range of measurements and category scores.
- Measurement units. The BC database utilized metric units, while MDT chose to use the English system in this implementation. This required the alteration and recalculation of some tables.

It was decided by the Research Technical Advisory Committee with input from MDT ISD that the Oracle RHRS Database would not be modified to accept the conceptual mitigation and cost estimate information. This conceptual design information would be preserved in a hard copy format as contained in Appendix C.

2.2.2 Microsoft Access Field Database

The interim Microsoft Access database was originally programmed to serve as temporary data storage for field information during the Preliminary Ratings. The Preliminary Rating data compiled into the interim database were then reformatted for TIS compliance and transferred to the revised Oracle RHRS Database. The Access database was subsequently modified for use during the Detailed Rating Phase and a similar process was followed for the transfer of that information as well as the numerous site photographs taken of each rockfall section.

3 Rockfall Inventory

3.1 General

One of the principal obstacles to completing the implementation of the RHRS was the size of the state and the roughly 10,000 miles of highway within the MDT maintained system. Although rockfall sites are concentrated in the mountainous areas of the state, no District was totally exempt from rockfall problem areas. The need to identify rockfall sites by inspecting every mile of roadway and then to gather input (the Maintenance perspective) from each of the 123 MDT Maintenance Sections responsible for the identified sites through personal interviews would have been a daunting task. To efficiently implement this aspect of the RHRS, Landslide Technology elected to perform an initial screening of the MDT highways using the State's extensive photo log system contained within the TIS Image Viewer program. This allowed potential rockfall problems sites to be identified and the location data recorded.

Following this preliminary screening process, each Maintenance Section was provided a list of the rockfall sites identified within their section and the rockfall history information was obtained via a web-based maintenance questionnaire.

3.2 Screening

The screening process proved to be very effective while also minimizing travel and implementation costs, and disruption to MDT work schedules. The State's photo logs provided a digital image at 10-meter spacing of nearly every mile of roadway under the state's control. Images were provided in both travel directions. Using this, the State's roadway system was observed and the potential rockfall sites identified. Because this was a preliminary screening, a conservative approach was used so that even sites with a relatively low potential for representing a rockfall hazard were included and not eliminated from consideration at this early step in the implementation process.

The criteria required for a site to be added to the list were: 1) rock or rock outcrop obviously visible on the slope; and 2) the possibility that rockfall from these sources could reach the roadway. Each site that met the criteria and posed a potential threat was recorded for Maintenance input. Pertinent site information including the corridor number, starting and ending milepost or kilometer offset, and GPS coordinates was recorded. All corridors except urban ("U") routes, unpaved routes or portions thereof, and routes under one mile in length were examined. Of the 566 corridors screened, approximately 3,000 sites were evaluated and over 2,300 potential rockfall sites were identified that would require a field visit if the rockfall potential was verified by the responsible local Maintenance person.

3.3 Maintenance Questionnaire

The Maintenance perspective on the rockfall history at a site is an important criterion in determining the rockfall hazard. Each site identified during the photo log screening process was listed and provided to the local MDT Maintenance personnel for evaluation and review. All of the 123 Maintenance Sections were provided the opportunity to provide input on any rockfall issues in their section regardless of whether a rockfall site was identified in their section during the initial screening process. The questionnaire was web-based but an optional paper response form was provided. The participation to the survey was excellent with 119 of the 123 of the Maintenance Sections responding.

The questions answered by the Maintenance supervisors are found on the next page in Table 3-1. The questions were designed to gather pertinent, site-specific, historical information on rockfall activity and behavior for use during both the Preliminary and Detailed Rating Phases. Generally, Maintenance responses were high quality and provided valuable insights during the field rating activities. Maintenance Section supervisors identified an additional 89 sites that were not identified during the initial screening that would require field evaluation. This brought the total to nearly 2,400 slopes.

Table 3-1: Maintenance Survey Questionnaire

1. Rockfall History
Few Falls - Rockfalls occur only a few times a year (or less), or only during severe storms. This category is also used if no rockfall history is available. Occasional Falls - Rockfall occur regularly. Rockfall can be expected several times per year and during most storms. Many Falls - Typically, rockfall occurs frequently during a certain season, such as the winter or spring wet period, or the winter freeze/thaw, etc. This category is for sites where frequent rockfalls occur during a certain season but are not a significant problem during the rest of the year. This category may also be used where severe rockfall events have occurred over a period of several years. Constant Falls - Rockfalls occur frequently throughout the year. This category is also used for sites where severe rockfall events are common.
2. What appears to be the triggering mechanism of rockfalls? Check all that apply. Rain — Water Erosion Freeze/Thaw Periods — Other Wind
3. Would you describe the rockfall events as composed of single blocks or many blocks of different sizes? Select from: — Numerous Blocks Single Block — Both Have Happened
4. What is the average and maximum rock block size? Select From: 1, 2, 3, 4, 5+ feet
5. What is the average and maximum volume of rockfall debris per event? Enter a number only. Open ended numerical answer (Not required for single block events)
6. Where do the rocks come to rest? Select from: — Frequently onto the road Completely in the ditch — Always reaches the road Occasionally onto the road
7. Have there been accidents or vehicle damage events due to rockfall? Select from: — One every 1 to 5 years Never — More than one per year One every 5 to 10 years
8. How many times a year is ditch maintenance required to remove rockfall debris from roadway ditch? Open ended numerical answer
9. A road patrol to check for rockfall debris on the road is required (check one): Daily year round. Daily during seasons/weather indicated in 1 and 2 above, as reported the rest of the time. Weekly during seasons/weather indicated in 1 and 2 above, as reported the rest of the time. Only as reported year round. Other (fill in comment box)
10. From your perspective, how would you evaluate the rockfall problem: A - Significant rockfall problem — C - Low rockfall problem B - Moderate rockfall problem — D - No rockfall problem
11. Is there a Rockfall Warning sign for this site? Yes or No
12. Is there anything else we should know about this rockfall section? Open ended comment section

4 Preliminary Ratings

4.1 General

The purpose of the Preliminary Rating is to group rockfall sections into three broad categories. This creates more manageable groupings of sites and prevents additional time being expended to apply the Detailed Rating at sites with only a low likelihood of ever producing a hazardous situation.

During the Preliminary Rating Phase, the raters assigned each rockfall section an "A", "B", or "C" rating, based on the criteria in Table 4-1. Since the RHRS is a proactive system, the 'Estimated Potential for Rockfall on Roadway' criterion is the controlling element of the Preliminary Rating. For example, a slope displaying a high potential for producing rock on the roadway, would receive an "A" rating regardless of past rockfall activity. The "Historical Rockfall Activity" criterion is used as a supplement to the rockfall potential, where clarification is needed. For instance, if it is unclear whether a slope should be given an "A" or "B" rating based on rockfall potential but the rockfall history confirms that the section is active; an "A" rating would be assigned. The Preliminary Ratings followed the procedures outlined in the FHWA RHRS manual, available in print or online from the FHWA (http://isddc.dot.gov/OLPFiles/FHWA/009767.pdf).

The estimated potential for rockfall on the roadway considers the following factors: 1) estimated size of material, 2) estimated volume of material per event, 3) amount of material available, and most importantly 4) ditch effectiveness. Historical rockfall activity takes into account 1) frequency of rockfall on the roadway, 2) volume of material, 3) size of rockfalls, and 4) frequency of ditch clean-out.

Table 4-1: Preliminary Rating System

CRITERIA	CLASS		
	A	B	C
Estimated Potential for Rockfall on Roadway	High	Moderate	Low
Historical Rockfall Activity	High	Moderate	Low

4.2 Field Ratings

Following the completion of the screening and maintenance survey, the rockfall sites to be visited were mapped using GIS software. Groups of sites were then assigned to different RHRS-trained team members to perform the Preliminary Ratings. Preliminary Ratings commenced July 30, 2003 and were completed by September 17, 2003.

Data was collected for each site visited and entered into the field database. Location information for each site was recorded using both GPS and milepost marker offsets relative to the roadway corridor. Handheld GPS units programmed with the Montana State Plane coordinate system utilizing the real-time ground-based differential correction Wide Area Augmentation System (WAAS) were used to obtain GPS coordinates. Product literature stated an accuracy of ±3 meters when receiving a WAAS signal and ±7 meters without a WAAS signal. Milepost marker offsets were measured with Nitestar Distance Measuring Instruments (DMI) installed within each field vehicle. Offsets were recorded to the nearest hundredth of a mile. Roadway corridor designations were recorded in MDT's 6-digit corridor format, i.e. C000015. The side of the road on which the rockfall hazard exists was recorded based on travel in the direction of increasing mileposts. A complete list of data recorded during the Preliminary Ratings is found in Table 4-2.

During the Preliminary Rating, digital photographs of each site were taken with a 2 megapixel camera. Each digital photo file was renamed following a set protocol according to the site location information. Photo renaming followed the convention of highway number, milepost and side, and photo number, all separated with a dash. Decimals were represented by an underscore. All route prefixes (I, P, S, and X) were replaced with a "C" when entering the route number. As an example of this protocol: The second photo taken on route P000001E at MP 158.53 on the left side was renamed C000001E-158_53-L-2.jpg.

The field rater assigned a final maintenance rating after reviewing the described rockfall activity, the responses to both the objective and subjective maintenance survey questions, and site observations. This was done in an attempt to normalize the ratings received from 119 different Maintenance personnel.

The Preliminary Rating relies heavily on the Maintenance personnel perspective and takes into account both the rockfall potential and rockfall history as provided by Maintenance as described above. Sites rated as "C" that pose a low rockfall hazard potential were not included in the database. Sites rated "B" with a moderate rockfall hazard potential were photographed and had all location information entered into the database. "A" rated sections, those with a high rockfall hazard potential were photographed and had all location information recorded. Additionally, these sections were slated to receive the Detailed Rating evaluation during the subsequent work phase.

The number of sections visited and evaluated for the Preliminary Rating Phase was 2,653. This was a larger number than was determined during the preliminary screening but occurred due to Maintenance adding sites and to dividing identified rockfall sites into shorter unique sections during the field visits. Some sites received a "C" rating, but 1,869 sites received either an "A" or "B" rating and were incorporated into the Oracle RHRS Database. Based on a conservative approach, 869 sites received an initial "A" rating; however, sections did not necessarily receive a final "A" rating. Further examination during the Detailed Rating Phase along with a determination by MDT to establish a benchmark score of 350 points to differentiate between "A" and "B" slopes caused some sites to ultimately change categories.

Table 4-2: Information collected during Preliminary Ratings

Data	Example
Date	30-Jun-2003
Corridor	C000015
Roadbed	N, S, E, W
Beginning milepost and offset	123+0.950
Ending milepost and offset	123+1.030
GPS coordinates for beginning and ending mileposts	378925
Side of the road of rockfall section looking up milepost	R, L
Presence of remedial works (anchors, shotcrete, barriers/fences, drains, or mesh)	YES/NO
Site comments	Open ended comments
Site photographs (with file name convention shown)	C000015N-123_95-L-1.jpg
Final maintenance rating	A, B, or C
Preliminary Rating	A, B, or C

4.3 Office Review and Transfer of Preliminary Rating Data

Upon completion of the Preliminary Ratings, an extensive program of data verification and review was undertaken in collaboration with MDT ISD. This effort included formatting and verifying the data to be Transportation Information System (TIS) compliant in both content and format. Upon completion of this process, all Preliminary Rating information was transferred to ISD and uploaded successfully into the Oracle RHRS Database. The data included the information shown in Table 4-2, Maintenance Survey Questionnaire responses, digital photographs, and the photograph index.

All Preliminary Rating data are contained in Appendix A and in the MDT Oracle RHRS Database.

5 Detailed Ratings

5.1 General

The purpose of the Detailed Rating is to allow the higher "A" category sites identified during the Preliminary Rating Phase to be numerically differentiated based on the hazard they present. The scored sites can be sorted and prioritized. The prioritized list is very useful when decisions on which projects to advance for rockfall mitigation work are being made.

The Detailed Rating includes 12 categories, which represent the significant elements that contribute to the overall rockfall hazard. They are evaluated and scored as described in Section 5.2. The category scores are added together for an overall rockfall site score.

Each category score follows an exponential scale. An exponential scoring system provides a significant increase in score as the hazard increases that simplifies distinguishing the more hazardous sites. The exponent formula follows the equation where the score equals 3^x. The value of x for calculating the score for the objective categories that can be directly measured follows the category-specific exponent formulas found in Table 5-1. Although the scoring of the remaining subjective categories also increases exponentially, they do not have scoring formulas associated with them. For all categories, the allowable scores range from 1 to 100 with 100 being the maximum score assigned.

Table 5-1: Exponent Formulas

Category	Exponent Equation in the equation; score = 3^x
Slope Height	$x = \frac{\text{Slope Height (ft.)}}{25}$
Average Vehicle Risk	$x = \frac{\%\ \text{Time}}{25}$
Sight Distance	$x = \frac{120 - \%\ \text{Decision Sight Distance}}{20}$
Block Size	$x = \text{Block Size (ft.)}$
Rockfall Volume	$x = \frac{\text{Volume (cu. ft.)}}{3}$
Roadway Width	$x = \frac{52 - \text{Roadway Width (ft.)}}{8}$
Climate	$x = \frac{\text{annual rainfall (in.)}}{10}$

5.2 Field Ratings

Information regarding the 12 rating categories was collected, scored, and tallied as part of the Detailed Rating. The categories and accompanying rating criteria and scores, which were recorded in the field database for each rockfall section, are presented in Table 5-2. Each category was rated in accordance with the RHRS manual, with additional attention and customization paid to Montana's specific climatic and geologic characteristics. These are discussed in Section 5.2.1.

The Detailed Ratings field effort commenced May 18, 2004 and was completed by September 20, 2004. The majority of the ratings were completed in May through July 2004. In all, 869 sites received the detailed rating.

5.2.1 Data collected and Field Procedures

Each rating category recorded for the Detailed Rating Phase was based on those outlined in the RHRS manual. Some categories required additional information or were customized in their application for MDT as described below.

- Average Vehicle Risk. This rating criterion involves Average Annual Daily Traffic (AADT). The large majority of the AADT data is from TIS records of 2002, with a few records coming from 1998. Year of AADT is noted in the database. Four routes possessing rated rockfall sections (C015516, C022249, C031011, and C039305) did not have AADT data available in the TIS system. At these routes, the AADT was estimated by doing onsite vehicle counts.
- Climate Rating. The climate criterion was customized for Montana due to the state-wide occurrence of freeze-thaw cycles; thus diminishing its value for differentiating sites. An objective rating of precipitation was adopted by the TAC and the following exponent rating equation was prepared:

  $$\text{Climate Score} = 3^{x}, \text{ where } x = \frac{\text{annual rainfall (in.)}}{10}.$$

  The statewide rainfall accumulation data, generated by Oregon State University and provided by MDT, provides the average annual precipitation between the years 1961 and 1990.
- Rock Size/Volume Rating. Values for block size or rockfall volume were based on Maintenance responses. Occasionally, values different than those provided by Maintenance were used when deemed appropriate based on site observations.
- Rockfall History Rating. The rockfall history information was based on the maintenance questionnaire. Occasionally, the rockfall history was modified (normalized) based on site observations (i.e. pavement rockfall impacts visible).

In addition to verifying location information with GPS and DMI instruments and checking photographs, additional photographs were taken at most sites. This information and Detailed Ratings were input into the RHRS field database. In addition to the rating, observations and comments for each rating criteria were documented for later input when deemed important during the field visit.

Table 5-2: Detailed Rating Categories

Category			Rating Criteria and Score			
			Points 3	Points 9	Points 27	Points 81
Slope Height (Ft.)			25	50	75	100
Ditch Catchment Effectiveness			Good	Moderate	Limited	No
Average Vehicle Risk			25% of the time	50% of the time	75% of the time	100% of the time
Percent of Decision Sight Distance			Adequate, 100% of low design value	Moderate, 80% of low design value	Limited, 60% of low design value	Very limited, 40% of low design value
Paved Roadway Width (Ft.)			44	36	28	20
Geologic Character	Case 1	Structural Condition	Discontinuous joints, favorable orientation	Discontinuous joints, random orientation	Discontinuous joints, adverse orientation	Continuous joints, adverse orientation
		Rock Friction	Rough, irregular	Undulating	Planar	Clay infilling or slickensided
	Case 2	Structural Condition	Few erosion features	Occasional erosion features	Many erosion features	Major erosion features
		Difference in Erosional Rates	Small difference	Moderate difference	Large difference	Extreme difference
Block Size (Ft.)			1	2	3	4
Volume of rockfall per event (Cu. Yd.)			3	6	9	12
Rainfall (in. per year)			10	20	30	40
Rockfall History			Few falls	Occasional falls	Many falls	Constant falls

5.3 Office Review

A review of the Detailed Ratings was performed by a Senior Engineering Geologist from Landslide Technology. The purpose of this review was to ensure a consistent application of the RHRS criteria and accurate data calculations.

5.4 Transfer of Detailed Rating Data

Following the data review process, the Detailed Rating data was finalized and formatted into a TIS compliant text file for transfer into the Oracle RHRS Database. Digital photographs were transferred to CD and shipped separately. The Detailed Rating data pertinent to score calculation is contained in Appendix B.

6 Preliminary Designs and Cost Estimates

6.1 General

The consistent application of the RHRS rating criteria provides a relative rating and ranking of each rockfall site around the state. This provides MDT with an understanding of how the "A" sites compare with each other. The rankings are done without consideration of any political issues or mitigation costs affecting the outcome. Eliminating such outside influences protects the validity of the ranking information for making informed decisions. This could be especially important if MDT's rockfall mitigation program was called into question as part of a litigation case. It does not, however, force MDT to initiate rockfall mitigation projects based strictly on how they are ranked. In fact as discussed in Section 6.2, there are several ways to use the RHRS data to reasonably initiate rockfall safety projects.

To meet the immediate needs of MDT, a conceptual design and cost estimate were prepared for each of the top 100 rated sites. Design concepts were formulated and quantities of mitigation measures were estimated by field examination. Detailed surveying was not performed as part of this study. The associated cost estimates represent only the cost of the rockfall mitigation measures, but does not include the cost of engineering, design, plans and specifications, construction control, or other possible project add-ons. That way, the sites can be compared to each other from strictly a rockfall mitigation perspective. The conceptual design and cost estimate and a photo for each of the 100 sites are contained in Appendix C. These rockfall mitigation concepts and cost estimates was reviewed and refined by a rockfall mitigation specialist.

6.2 Uses of Mitigation Costs in Initiating Rockfall Projects

The RHRS rankings are not affected by the associated costs of mitigation but clearly agency decisions regarding which project to advance for construction must take this into account. Ranking by score orders sites based on their relative rockfall hazard. However, it is not uncommon for the most hazardous sites to have the highest cost to mitigate. Relying solely on the ranking method may not optimize the return on a fixed-budget investment. As an alternative, a technique referred to as the Ratio Method, which represents a modified benefit/cost ratio, can be used. With this method, the top 100 sites are re-ranked based on the cost of mitigation divided by the RHRS score using the conceptual cost estimate.

The top 100 rated sites all pose a safety concern that will need to be addressed over time as funding becomes available. Investing in the lower cost to score ratio sites, allows more of these highly ranked rockfall sections to be repaired for a fixed budget amount. This is a valid use of the RHRS

data in planning and developing projects and should be considered based on the goals and expected benefits to the agency and highway users.

Although the RHRS system allows for rockfall sites to be managed and for planning to occur, it is important to recognize that the “A” and “B” rated slopes all have the potential to put a rock on the road. If a rockfall accident occurs, the public will expect the State to respond. However, it should be a measured response based on the other safety responsibilities borne by the State.

6.3 Top 100 sites

The top one hundred rated sites are summarized below. They are ranked by RHRS score in Table 6-1, grouped by highway corridor in Table 6-2, and ranked by cost/score ratio in Table 6-3.

Table 6-1: Top 100 Sites Ranked by Score

Rank	Corridor	MP Start	MP End	Section No.	Score	Rank	Corridor	MP Start	MP End	Section No.	Score
1	C000028	049+0.720	050+0.370	600	687	51	C000036	010+0.540	010+0.580	852	539
2	C000019	027+0.990	028+0.440	506	684	52	C000567	022+0.840	022+0.940	1587	539
3	C000028	052+0.030	052+0.220	617	668	53	C000015	226+0.980	227+0.230	448	538
4	C000006	064+0.400	064+0.520	189	662	54	C000019	027+0.930	027+0.990	504	527
5	C000087	004+0.020	004+0.750	1132	657	55	C000046	072+0.360	072+0.860	913	524
6	C000011	013+0.320	013+0.660	307	654	56	C000029	068+0.490	068+0.630	675	522
7	C022249	003+0.390	003+0.550	1851	649	57	C000033	017+0.010	017+0.140	734	522
8	C000028	047+0.630	047+0.920	588	647	58	C000015	157+0.770	157+0.930	408	520
9	C000028	050+1.080	050+1.250	605	647	59	C000540	004+0.330	004+0.460	1549	520
10	C000028	050+0.500	050+0.790	602	646	60	C000014	020+0.810	020+0.850	363	510
11	C000001	158+0.470	158+0.640	94	645	61	C018203	008+0.640	008+0.750	1633	509
12	C000015	219+0.540	219+0.820	426	641	62	C048245	001+0.750	001+0.970	1697	509
13	C000090	315+0.260	315+0.500	1261	641	63	C000419	007+0.160	007+0.350	1436	508
14	C022249	003+0.070	003+0.190	1850	636	64	C000014	164+0.210	164+0.390	374	506
15	C000046	068+0.060	068+0.190	904	634	65	C000007	004+0.480	005+0.080	235	504
16	C000015	051+0.780	052+0.320	384	624	66	C000472	021+0.290	021+0.350	1495	502
17	C000006	058+0.150	058+0.210	179	622	67	C000001	026+0.900	027+0.020	35	499
18	C000015	217+0.670	218+0.370	617	617	68	C000015	218+0.450	218+0.530	421	499
19	C000014	165+0.460	165+0.520	375	615	69	C000019	027+0.990	028+0.040	505	499
20	C000028	050+1.940	050+1.960	614	614	70	C031070	000+0.510	000+0.640	1866	499
21	C000006	064+0.520	064+0.630	190	609	71	C000036	010+0.460	010+0.530	851	498
22	C000001	155+0.500	155+0.620	77	602	72	C000083	005+0.540	005+0.690	1076	498
23	C000472	020+0.990	021+0.050	1493	602	73	C081013	001+0.780	001+0.960	1788	498
24	C000001	156+0.600	156+0.730	85	601	74	C022249	003+0.550	003+0.680	1852	497
25	C000028	050+0.390	050+0.500	601	597	75	C081003	001+0.060	001+0.360	1710	496
26	C000029	068+0.490	068+0.610	674	594	76	C000050	052+0.870	052+0.960	937	495
27	C018203	008+0.880	009+0.120	1635	587	77	C000001	020+0.380	020+0.680	26	494
28	C000093	001+0.060	001+0.260	1275	582	78	C000006	064+0.250	064+0.400	54	493
29	C000093	012+0.820	012+0.900	1293	580	79	C081003	000+0.800	000+0.910	1709	493
30	C000029	076+0.070	076+0.140	705	579	80	C000046	072+0.900	073+0.490	914	490
31	C018203	009+0.740	010+0.140	1638	576	81	C000001	155+0.700	155+0.800	79	489
32	C000046	073+0.600	073+0.750	916	571	82	C000090	026+0.240	026+0.430	1177	489
33	C000084	006+0.620	006+0.870	1110	571	83	C015516	002+0.160	002+0.560	1599	489
34	C022249	005+0.080	005+0.240	1855	571	84	C000028	053+0.450	053+0.500	627	487
35	C000011	013+0.840	013+0.960	309	569	85	C000029	076+0.850	077+0.030	711	486
36	C000086	004+0.370	004+0.450	1114	567	86	C000035	015+0.820	016+0.020	825	486
37	C000006	058+0.360	058+0.440	182	565	87	C000050	050+0.680	050+0.800	933	486
38	C000024	003+0.030	003+0.120	532	564	88	C081003	001+0.710	001+0.890	1711	485
39	C000090	024+0.590	024+0.720	1175	564	89	C000508	006+0.620	006+0.920	1518	483
40	C000093	018+0.110	018+0.200	1304	564	90	C000006	058+0.300	058+0.360	181	481
41	C000090	231+0.380	231+0.650	1213	559	91	C022249	005+0.720	005+0.840	1857	480
42	C000050	061+0.180	061+0.260	947	555	92	C000001	157+0.920	158+0.040	90	478
43	C000028	050+1.960	052+0.000	615	551	93	C000093	002+0.860	002+0.900	1277	478
44	C000028	052+0.000	052+0.030	616	551	94	C000330	012+0.850	013+0.150	1399	478
45	C000090	024+0.040	024+0.190	1172	551	95	C000093	015+0.090	015+0.240	1299	477
46	C081001	023+0.480	023+0.690	1871	551	96	C000033	054+0.610	054+0.760	807	476
47	C000050	060+0.730	060+0.960	946	549	97	C000011	013+0.960	014+0.610	310	474
48	C081003	000+0.000	000+0.200	1704	547	98	C000083	009+0.050	009+0.160	1087	474
49	C000013	090+0.770	091+0.070	323	542	99	C000090	231+0.950	232+0.160	1218	473
50	C000033	017+0.610	018+0.010	737	540	100	C000028	047+0.200	047+0.360	585	472

Table 6-2: Top 100 Sites Grouped by Corridor

Corridor	MP Start	MP End	Section No.	Score	Rank	Corridor	MP Start	MP End	Section No.	Score	Rank
C000001	020+0.380	020+0.680	26	494	77	C000036	010+0.460	010+0.530	851	498	71
C000001	026+0.900	027+0.020	35	499	67	C000036	010+0.540	010+0.580	852	539	51
C000001	155+0.500	155+0.620	77	602	22	C000046	068+0.060	068+0.190	904	634	15
C000001	155+0.700	155+0.800	79	489	81	C000046	072+0.360	072+0.860	913	524	55
C000001	156+0.600	156+0.730	85	601	24	C000046	072+0.900	073+0.490	914	490	80
C000001	157+0.920	158+0.040	90	478	92	C000046	073+0.600	073+0.750	916	571	32
C000001	158+0.470	158+0.640	94	645	11	C000050	050+0.680	050+0.800	933	486	87
C000006	058+0.150	058+0.210	179	622	17	C000050	052+0.870	052+0.960	937	495	76
C000006	058+0.300	058+0.360	181	481	90	C000050	060+0.730	060+0.960	946	549	47
C000006	058+0.360	058+0.440	182	565	37	C000050	061+0.180	061+0.260	947	555	42
C000006	064+0.250	064+0.400	54	493	78	C000083	005+0.540	005+0.690	1076	498	72
C000006	064+0.400	064+0.520	189	662	4	C000083	009+0.050	009+0.160	1087	474	98
C000006	064+0.520	064+0.630	190	609	21	C000084	006+0.620	006+0.870	1110	571	33
C000007	004+0.480	005+0.080	235	504	65	C000086	004+0.370	004+0.450	1114	567	36
C000011	013+0.320	013+0.660	307	654	6	C000087	004+0.020	004+0.750	1132	657	5
C000011	013+0.840	013+0.960	309	569	35	C000090	024+0.040	024+0.190	1172	551	45
C000011	013+0.960	014+0.610	310	474	97	C000090	024+0.590	024+0.720	1175	564	39
C000013	090+0.770	091+0.070	323	542	49	C000090	026+0.240	026+0.430	1177	489	82
C000014	020+0.810	020+0.850	363	510	60	C000090	231+0.380	231+0.650	1213	559	41
C000014	164+0.210	164+0.390	374	506	64	C000090	231+0.950	232+0.160	1218	473	99
C000014	165+0.460	165+0.520	375	615	19	C000090	315+0.260	315+0.500	1261	641	13
C000015	051+0.780	052+0.320	384	624	16	C000093	001+0.060	001+0.260	1275	582	28
C000015	157+0.770	157+0.930	408	520	58	C000093	002+0.860	002+0.900	1277	478	93
C000015	217+0.670	218+0.370	617	617	18	C000093	012+0.820	012+0.900	1293	580	29
C000015	218+0.450	218+0.530	421	499	68	C000093	015+0.090	015+0.240	1299	477	95
C000015	219+0.540	219+0.820	426	641	12	C000093	018+0.110	018+0.200	1304	564	40
C000015	226+0.980	227+0.230	448	538	53	C000330	012+0.850	013+0.150	1399	478	94
C000019	027+0.930	027+0.990	504	527	54	C000419	007+0.160	007+0.350	1436	508	63
C000019	027+0.990	028+0.040	505	499	69	C000472	020+0.990	021+0.050	1493	602	23
C000019	027+0.990	028+0.440	506	684	2	C000472	021+0.290	021+0.350	1495	502	66
C000024	003+0.030	003+0.120	532	564	38	C000508	006+0.620	006+0.920	1518	483	89
C000028	047+0.200	047+0.360	585	472	100	C000540	004+0.330	004+0.460	1549	520	59
C000028	047+0.630	047+0.920	588	647	8	C000567	022+0.840	022+0.940	1587	539	52
C000028	049+0.720	050+0.370	600	687	1	C015516	002+0.160	002+0.560	1599	489	83
C000028	050+0.390	050+0.500	601	597	25	C018203	008+0.640	008+0.750	1633	509	61
C000028	050+0.500	050+0.790	602	646	10	C018203	008+0.880	009+0.120	1635	587	27
C000028	050+1.080	050+1.250	605	647	9	C018203	009+0.740	010+0.140	1638	576	31
C000028	050+1.940	050+1.960	614	614	20	C022249	003+0.070	003+0.190	1850	636	14
C000028	050+1.960	052+0.000	615	551	43	C022249	003+0.390	003+0.550	1851	649	7
C000028	052+0.000	052+0.030	616	551	44	C022249	003+0.550	003+0.680	1852	497	74
C000028	052+0.030	052+0.220	617	668	3	C022249	005+0.080	005+0.240	1855	571	34
C000028	053+0.450	053+0.500	627	487	84	C022249	005+0.720	005+0.840	1857	480	91
C000029	068+0.490	068+0.610	674	594	26	C031070	000+0.510	000+0.640	1866	499	70
C000029	068+0.490	068+0.630	675	522	56	C048245	001+0.750	001+0.970	1697	509	62
C000029	076+0.070	076+0.140	705	579	30	C081001	023+0.480	023+0.690	1871	551	46
C000029	076+0.850	077+0.030	711	486	85	C081003	000+0.000	000+0.200	1704	547	48
C000033	017+0.010	017+0.140	734	522	57	C081003	000+0.800	000+0.910	1709	493	79
C000033	017+0.610	018+0.010	737	540	50	C081003	001+0.060	001+0.360	1710	496	75
C000033	054+0.610	054+0.760	807	476	96	C081003	001+0.710	001+0.890	1711	485	88
C000035	015+0.820	016+0.020	825	486	86	C081013	001+0.780	001+0.960	1788	498	73

Table 6-3: Top 100 Sites Ranked by Cost/Score Ratio

Corridor	MP Start	Section No.	Cost ($)	Cost/ Score Ratio	Ratio Rank	Corridor	MP Start	Section No.	Cost ($)	Cost/ Score Ratio	Ratio Rank
C000090	026+0.240	1177	23,000	47	1	C000028	050+1.080	605	350,000	541	51
C000540	004+0.330	1549	30,000	58	2	C000013	090+0.770	323	320,000	590	52
C000472	020+0.990	1493	39,000	65	3	C000090	231+0.950	1218	280,000	592	53
C000006	064+0.250	54	32,800	67	4	C000050	060+0.730	946	325,000	592	54
C000093	001+0.060	1275	47,400	81	5	C000090	315+0.260	1261	382,000	596	55
C000028	052+0.000	616	48,000	87	6	C000001	155+0.700	79	292,000	597	56
C000036	010+0.540	852	48,600	90	7	C000029	076+0.850	711	300,000	617	57
C000033	017+0.610	737	53,500	99	8	C000084	006+0.620	1110	359,000	629	58
C000015	226+0.980	448	54,000	100	9	C000086	004+0.370	1114	364,000	642	59
C000033	017+0.010	734	56,000	107	10	C000083	005+0.540	1076	336,400	676	60
C000028	053+0.450	627	58,000	119	11	C081001	023+0.480	1871	374,000	679	61
C000083	009+0.050	1087	58,000	122	12	C000001	157+0.920	90	326,500	683	62
C000014	020+0.810	363	68,600	135	13	C081003	001+0.060	1710	340,000	685	63
C000036	010+0.460	851	79,000	159	14	C000029	068+0.490	675	360,000	690	64
C000093	018+0.110	1304	91,250	162	15	C000090	231+0.380	1213	400,000	716	65
C000024	003+0.030	532	95,000	168	16	C000015	219+0.540	426	480,800	750	66
C000472	021+0.290	1495	92,000	183	17	C000028	047+0.630	588	510,000	788	67
C000019	027+0.930	504	96,600	183	18	C000087	004+0.020	1132	524,200	798	68
C000567	022+0.840	1587	110,500	205	19	C000006	058+0.300	181	386,125	803	69
C081013	001+0.780	1788	111,750	224	20	C000046	072+0.360	913	421,000	803	70
C000019	027+0.990	505	112,500	225	21	C000014	165+0.460	375	520,000	846	71
C000050	052+0.870	937	112,000	226	22	C000001	020+0.380	26	440,000	891	72
C000033	054+0.610	807	117,000	246	23	C000006	058+0.360	182	503,625	891	73
C000093	015+0.090	1299	120,000	252	24	C000015	217+0.670	617	575,250	932	74
C000046	073+0.600	916	145,000	254	25	C000330	012+0.850	1399	448,000	937	75
C000419	007+0.160	1436	130,000	256	26	C000006	064+0.400	189	636,000	961	76
C000029	076+0.070	705	153,000	264	27	C000001	026+0.900	35	488,750	979	77
C000028	050+1.940	614	165,000	269	28	C000015	218+0.450	421	500,000	1,002	78
C000090	024+0.590	1175	152,200	270	29	C000019	027+0.990	506	720,250	1,053	79
C081003	001+0.710	1711	132,500	273	30	C000508	006+0.620	1518	515,000	1,066	80
C000046	068+0.060	904	180,000	284	31	C018203	009+0.740	1638	629,000	1,092	81
C000050	050+0.680	933	138,500	285	32	C000007	004+0.480	235	604,000	1,198	82
C000093	002+0.860	1277	152,000	318	33	C000014	164+0.210	374	630,000	1,245	83
C000090	024+0.040	1172	175,550	319	34	C000028	050+0.500	602	810,000	1,254	84
C022249	005+0.720	1857	158,000	329	35	C022249	003+0.390	1851	825,000	1,271	85
C031070	000+0.510	1866	167,500	336	36	C000001	158+0.470	94	852,000	1,321	86
C000093	012+0.820	1293	200,000	345	37	C000028	050+0.390	601	796,000	1,333	87
C018203	008+0.640	1633	178,000	350	38	C000028	052+0.030	617	900,000	1,347	88
C000050	061+0.180	947	201,000	362	39	C000046	072+0.900	914	665,000	1,357	89
C081003	000+0.800	1709	182,000	369	40	C000035	015+0.820	825	690,000	1,420	90
C000006	058+0.150	179	238,950	384	41	C000011	013+0.840	309	945,000	1,661	91
C000028	047+0.200	585	197,000	417	42	C000001	156+0.600	85	1,065,000	1,772	92
C081003	000+0.000	1704	240,500	440	43	C000001	155+0.500	77	1,090,000	1,811	93
C048245	001+0.750	1697	234,000	460	44	C018203	008+0.880	1635	1,092,000	1,860	94
C015516	002+0.160	1599	233,000	476	45	C000015	157+0.770	408	1,026,250	1,974	95
C000028	050+1.960	615	263,500	478	46	C022249	005+0.080	1855	1,166,000	2,042	96
C000006	064+0.520	190	293,000	481	47	C000028	049+0.720	600	1,500,000	2,183	97
C022249	003+0.070	1850	315,000	495	48	C000015	051+0.780	384	1,363,000	2,184	98
C022249	003+0.550	1852	252,000	507	49	C000011	013+0.320	307	1,706,000	2,609	99
C000029	068+0.490	674	318,000	535	50	C000011	013+0.960	310	1,311,000	2,766	100

7 Results

7.1 RHRS Data

The number of sites visited and evaluated during the Preliminary Rating Phase was 2,653. Of these, 1,869 received either an "A" or "B" rating and were incorporated into the final MDT Oracle RHRS Database. The remainder fell into the "C" category and were not included in the database. Some sites had their Preliminary Rating changed during or after the Detailed Rating Phase. In some cases, a slope that was initially screened as a potential A-rated site received a lower RHRS score and was reassigned to the "B" category. Eventually, sites that did not score above the MDT established cutoff of 350 points reverted to the "B" category. Following this reclassification, the Oracle RHRS Database contains 368 A-rated sites. Figure 7-1 provides a histogram showing the distribution of scores for the "A" sites. A breakdown of all 869 slopes that received the Detailed Rating and the 368 that retained an "A" rating is shown in Table 7-1.

Data generated during the RHRS study is stored in the Oracle RHRS Database. The system contains the fully implemented Preliminary and Detailed Rating data and site photographs. Conceptual Design and Cost Estimates for the top 100 rated slopes are not included on the server. This information is presented in Appendix C.

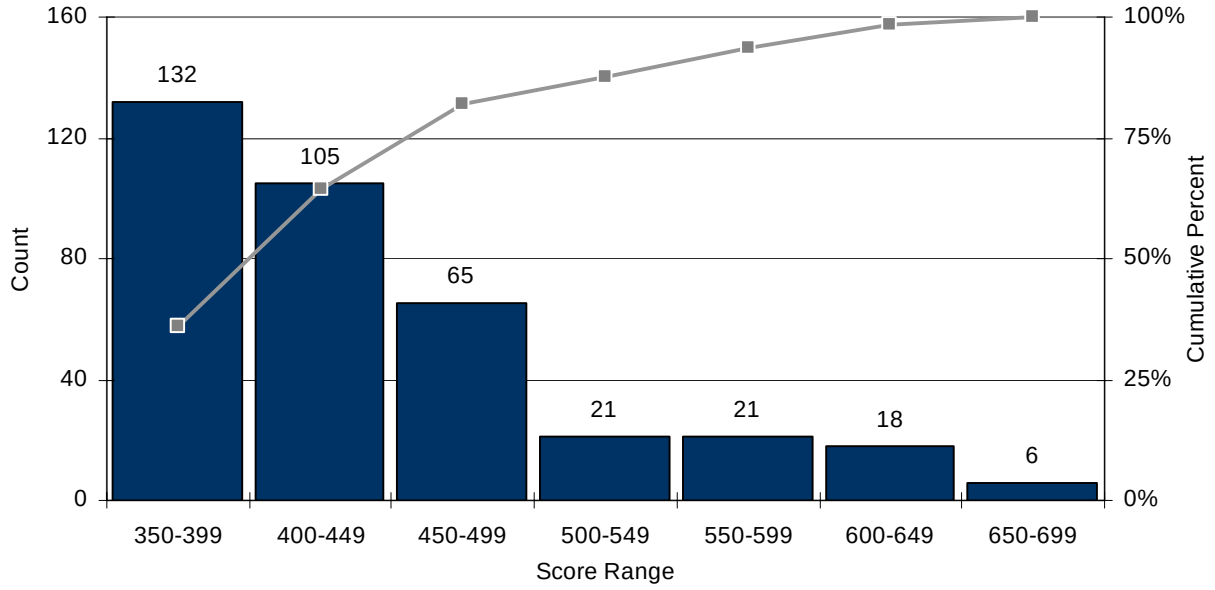


Figure 7-1: Histogram and cumulative percentage of score distribution for the 368 A-rated sites.

Table 7-1: Score distribution and percent of total for all rated slopes and the A-rated slopes.

Score Range	All RHRS Scores		A-rated Slopes RHRS Scores	
	Count	Percentage	Count	Percentage
<200	102	11.7%	-	-
200-249	99	11.4%	-	-
250-299	159	18.3%	-	-
300-349	141	16.2%	-	-
350-399	132	15.2%	132	35.9%
400-449	105	12.1%	105	28.5%
450-499	65	7.5%	65	17.7%
500-549	21	2.4%	21	5.7%
550-599	21	2.4%	21	5.7%
600-649	18	2.1%	18	4.9%
>650	6	0.7%	6	1.6%

7.2 Evaluation of the Detailed Rating Categories

The categories and rating criteria of the RHRS can be evaluated based on their relative contribution in the scoring process. Figure 7-2 shows a histogram of the average percentage represented by each category in the statewide ratings. For the two categories combined for Geologic Character, the sums for sites dominated by structural discontinuities (Case 1) provided 23.8% and for differential erosion sites (Case 2) 25.6% of the total scores. The slope height, sight distance and block size/volume rating criteria contributed similar percentages to the total scores at 13.5%, 13.3%, and 12.8%, respectively. On average, these three criteria accounted for nearly 40% of the total scores.

The rating category that had the lowest contribution (1.5% of the total score) was the Average Vehicle Risk (AVR) category, which measures how frequently a vehicle is within the limits of the rockfall section. The smaller contribution of this category is due to the relatively low traffic volumes on the majority of Montana's corridors. Even still, in cases where the ADT was higher such as on some Interstates or urban routes, or where the rockfall sections were longer, this category did play a significant role in the total individual site score contributing as much as 100 points at some locations.

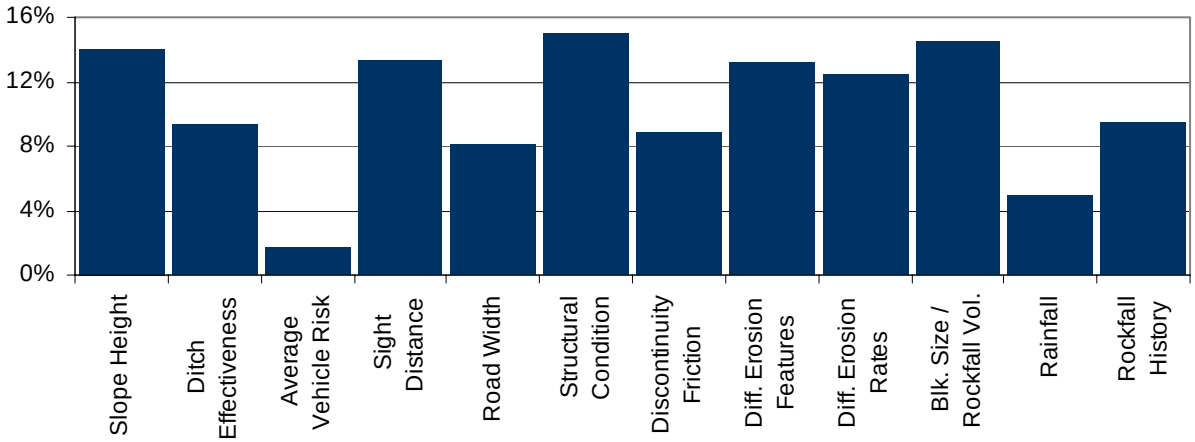


Figure 7-2: Average contribution for each score category for "A" rated slopes.

The contribution of each category score for all sites as compared to those sites that received a score of at least 350 points, the "A" sites is provided below in Table 7-2.

Table 7-2: Summary of relative contribution of category scores.

Rating Category	All	>350 pts	Rating Category	All	>350 pts
Slope Height	13.5%	14.0%	Differential Erosion Features*	13.2%	13.2%
Ditch Effectiveness	9.6%	9.4%	Differential Erosion Rates*	12.4%	12.4%
Average Vehicle Risk	1.5%	1.8%	Block Size / Rockfall Volume	12.8%	14.5%
Sight Distance	13.3%	13.3%	Rainfall	5.6%	5.0%
Road Width	10.4%	8.2%	Rockfall History	8.9%	9.5%
Structural Condition*	15.0%	15.0%			
Discontinuity Friction*	8.8%	8.8%			

*Some sites had both Case 1 and Case 2 criteria rated, but the score assigned was based on whichever combination provided the highest score. This result is reflected in this table.

Of the ten categories rated, six were objective categories and four were subjective categories. The objective categories are those that can be directly measured and scored while the subjective category scores are based on comparison and judgment. The objective rating categories accounted for 57% of the average score and the subjective categories accounted for 43% of the average score for all rated sites.

7.3 Score Breakdown of Rating Categories

Further analysis of each rating category provides information on the range of scores for each category. Categories that received a larger percentage of higher scores also provided a larger relative score contribution. Histograms for each category are provided in Figure 7-3 and Figure 7-4. Histogram bin ranges are based on the exponential scale of the RHRS, see Section 5, Detailed Ratings for additional discussion.

Overall, the score distributions exhibit expected patterns, with a general trend of more scores falling within the moderate to high hazard score ranges than in the low hazard ranges. This is a reasonable outcome since the screening and preliminary rating processes selected those sites that were predisposed to receive higher scores. The AVR and rainfall categories had a larger percentage of low to moderate category scores and did not follow this overall trend. For the AVR category, this is attributable to the overall low traffic volumes, as previously discussed. For the Rainfall category, this is due to the modest number of rockfall sites near the summits of mountain passes where the higher rainfall totals are encountered.

The geologic character of each site is assessed as part of the Detailed Rating and is classified as either a Case 1 - Structural Condition or a Case 2 - Differential Erosion Condition. When both are present, both are rated and the Case that provides the highest score is used in the rating. Overall, 527 sites were deemed as Case 1 and 342 sites as Case 2. The Case 1 sites were primarily composed of hard rock cuts. Case 2 sites were generally glacial till slopes in the mountainous portions of the state or soft to moderately hard rock cuts in the less mountainous areas.

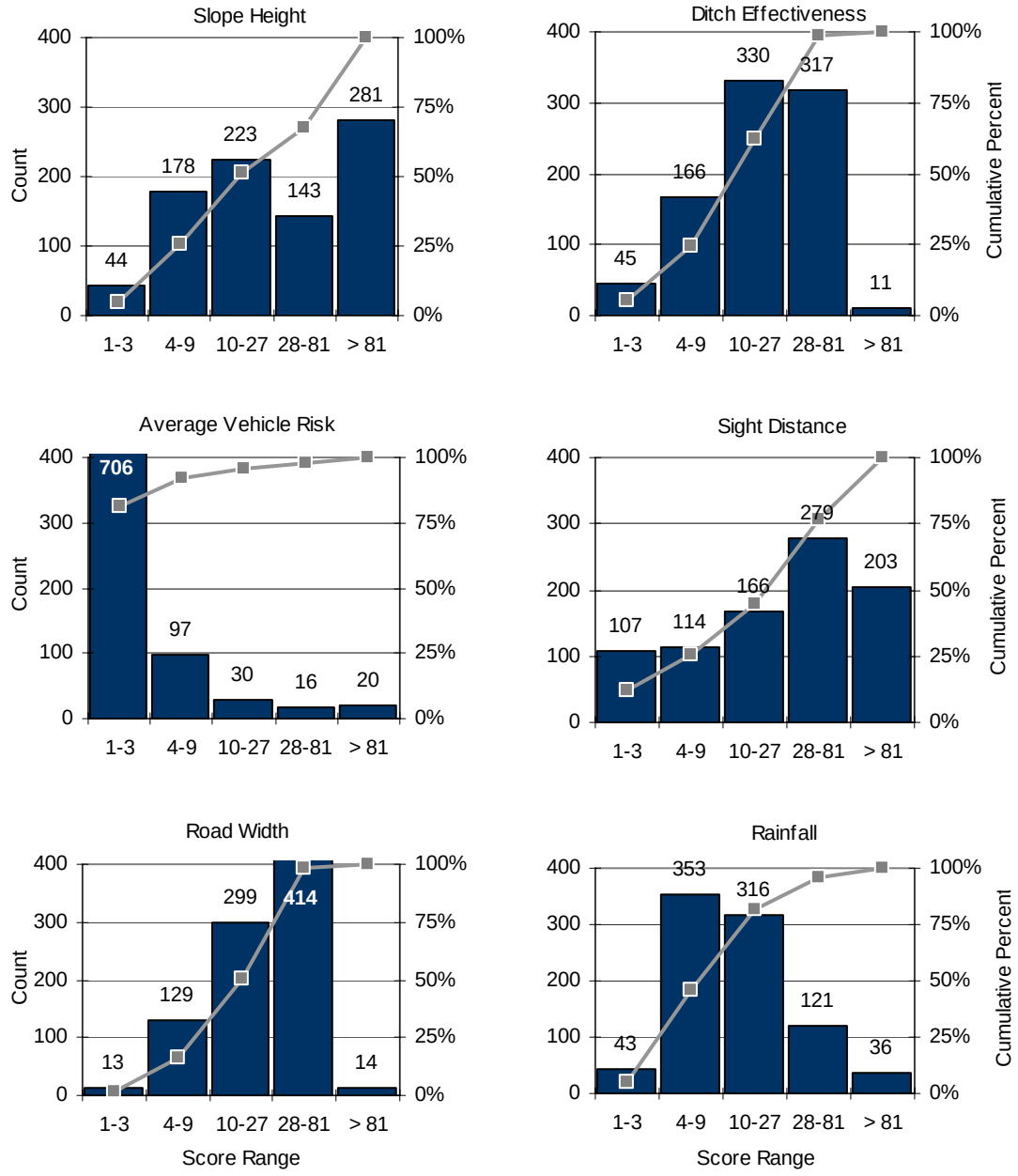


Figure 7-3: Score distribution for all 869 rated sites for slope height, ditch effectiveness, average vehicle risk, sight distance, road width and rainfall.

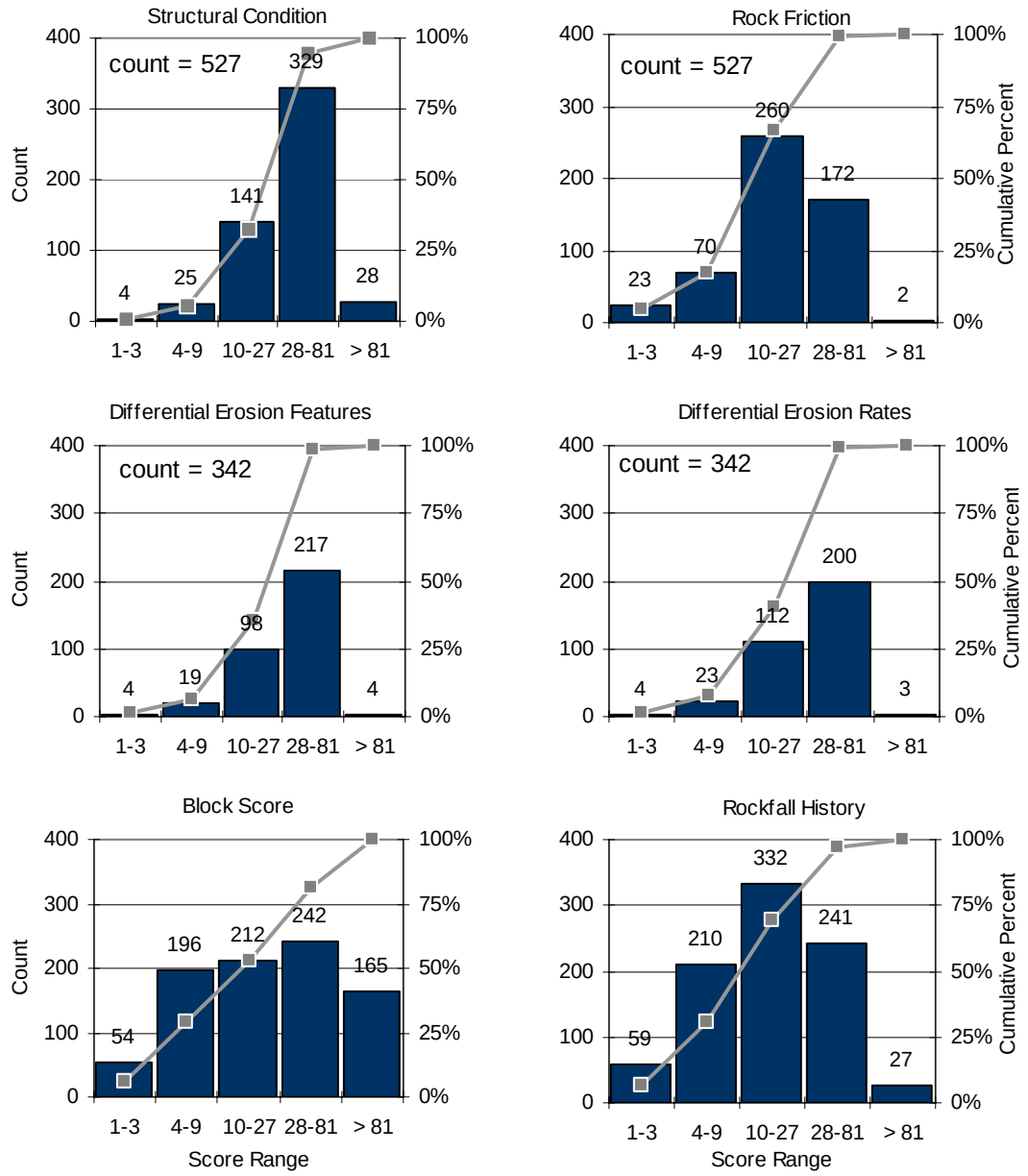


Figure 7-4: Score distribution for all rated sites for Case 1 structural condition, Case 1 rock friction, Case 2 differential erosion features, Case 2 differential erosion rates, block score and rockfall history.

7.4 Maps

Along with starting and ending mile points, geographic (GPS) coordinates were gathered in the field during the Preliminary Ratings and subsequently verified during the Detailed Rating Phase. This allows the creation of maps and more complex integration with MDT's GIS resource inventory possible. Maps displaying the location of "A" and "B" slopes throughout Montana and on a District basis are found in Appendix D.

8 Recommendations and Conclusions

8.1 Periodic Reviews and Updates

Routine review of sites identified during the RHRS is necessary to keep the database up-to-date with changes in site conditions, such as geologic character, rockfall history and increased traffic loads, as well as possible maintenance repair efforts, or changes to agency design standards or policies.

The sites that are periodically reviewed do not need to be all of Montana's rockfall sites. Rather, visited sites could be all A-rated sites, sites over a particular score, or the top 100 sites. Regardless of the approach taken, the basis should stay consistent or only change to incorporate additional sites.

Reviews should occur at a regular interval or when conditions warrant, such as following new construction, a reported rockfall or a natural event such as significant rainfall or forest fire. Reviews can be ongoing as staff travels to other project sites or on a routine basis every 2 to 5 years.

8.2 Uses of the RHRS Information in Initiating Rockfall Mitigation Projects

Chapter 7 of the referenced FHWA RHRS Manual describes various uses of the RHRS information in developing projects. To summarize that discussion, projects can be developed based on the Score Method, the Ratio Method, the Remedial Approach Method, or the Proximity of Sites Method. As previously discussed, the Score Method follows the order of the highest ranked sites for initiating rockfall mitigation projects, and the Ratio Method represents a modified benefit/cost ratio, and provides the opportunity for more of the highly rated sites to be repaired for a fixed investment amount.

The two other methods not previously discussed include the Remedial Approach and Proximity of Sites Methods. The Remedial Approach Method groups sites with similar mitigation measures into one contract. This way a larger bid quantity is advertised, which could result in a lower unit bid price, and it may attract a more qualified group of specialty contractors with the appropriate experience to complete the work. The fourth technique is the Proximity Method, which combines several sites as one project based on where they are located. Combining projects this way may make significant improvements to an entire corridor or portion of a highway, and it could reduce mobilization costs.

These methods as well as others are valid uses of the RHRS data in developing projects and should be considered based on agency goals and the results of strategic planning. If a particular site appears to be a good candidate for a relatively inexpensive repair or a hazard reduction, it can always be funded for mitigation regardless of where it appears on the RHRS list. In addition, maintenance

repairs can be performed that, in some cases, can reduce the hazard at a site enough to reduce its ranking or even drop it out of the "A" category.

The quantity of information in the Oracle RHRS Database allows many uses by various departments throughout MDT. The following uses represent only some possible scenarios.

- Clearinghouse of rockfall site information. When a rockfall event occurs, the database can house the information providing a valuable written history of a site. Following construction, information for a new rock cut can be entered into the database.
- Conceptual mitigation and costs. This is valuable information for planning. Sites or groups of sites can be evaluated by score, cost, or a cost to RHRS score ratio. The cost to score ratio provides a dollar cost for each RHRS point and is particularly useful where mitigation budgets are limited and there is a need to focus on a discretionary basis.
- Advancement of safety enhancement projects. Sections of road exhibiting high rockfall activity are public safety hazards. When evaluating projects for safety enhancement, rockfall hazards can be systematically compared across multiple sites.
- Placement of rockfall warning signs. The presence of rockfall warning signs was noted during the field program. Some A-rated sites did not have a rockfall warning sign. The database can be queried for these sites so adding warning signs can be considered.
- Before and after photographs. The photographs taken during this project serve as a benchmark for site follow-up comparisons and assessments should a rockfall event occur.
- Rockfall hazard corridors. Some sections of road exhibited consecutive, closely spaced A-rated sites, such as Highway 2 east of West Glacier between Milepost 154+0.86 and 158+0.64, where 12 "A" slopes exist as shown below in Figure 8-1 is a good example of this. Five of these sites are in the top 100. An additional method to evaluate clusters of A-rated sites is to combine the scores over the road length covered. In this example section, the scores of the 12 sites sum to 5,764 points, or about 1,525 points per mile. As part of a potential corridor study, detailed ratings performed on B-rated slopes will assist in the characterization of all rock slopes present in the corridor and should be considered.

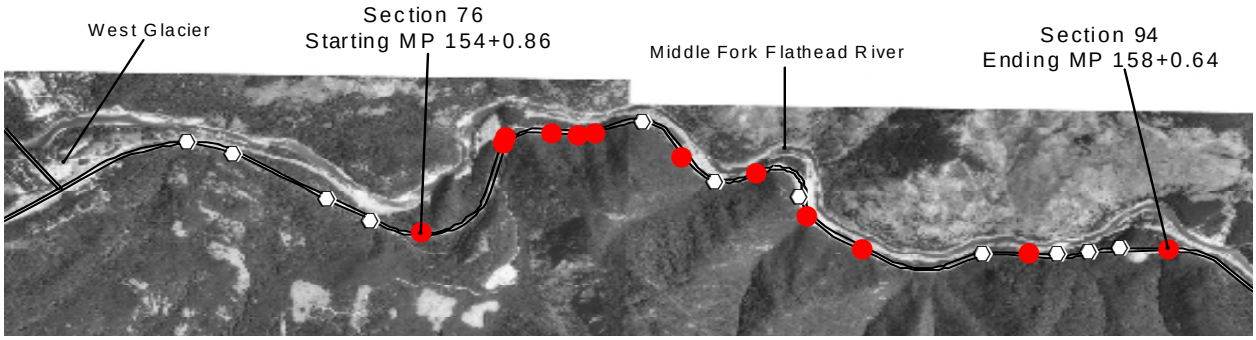


Figure 8-1: Example of a potential "rockfall corridor" east of West Glacier, Flathead County, on C000001E (HWY 2). Red dots are A-rated slopes and white dots are B-rated slopes.

8.3 Conclusions

The efficient implementation approach used in Montana allowed the average cost for all sites evaluated to be approximately $150 each. This included evaluation of about 10,800 miles of roadway, field assessment of 2,647 sites, applying the detailed rating at 869 sites and developing conceptual designs and cost estimates for the top 100 rated sites. This has proved to be more efficient than implementation based on a case-by-case or reactionary basis. The cost of completing a system-wide rating system are offset by the reduction in liability exposure, decreased risk to the public, and having a rational approach and reliable information to use in allocating limited funds.

The three primary goals of this project were 1) reduce the overall rockfall hazard to the motoring public, 2) manage the cost of rockfall maintenance, and 3) limit the Department's rockfall litigation exposure. By implementing the Rockfall Hazard Rating System, MDT has accomplished each of these goals as detailed below.

- Reduction in overall rockfall hazard to the motoring public has been accomplished through the identification of rockfall hazard sites statewide. By knowing where each potential rockfall hazard exists, the state can advance rockfall hazard mitigation projects based on a number of methods, as outlined in Section 6.2. The database can also be used to find where straightforward, inexpensive measures such as rockfall hazard warning signs or lower speed limits around low visibility curves can be implemented.
- Implementation of the RHRS results in more efficient management of rockfall maintenance funds. By advancing rockfall mitigation projects using the preliminary designs and cost estimates generated as part of this project, MDT can use funds where the greatest score reduction can be realized by modest expenditures or where the location allows grouping of sites or mitigation methods, resulting in lower unit costs and more cost-effective design efforts. For the first time, the important statewide rockfall history has been gathered from Maintenance and documented. This is the first step in managing the rockfall maintenance program.
- Reduction of liability exposure is realized through the completion of a recognized rockfall rating and mitigation system. Courts have indicated that it is unreasonable to expect an agency to have at its disposal enough funds to address all their safety related concerns, including rockfall, at one time. They have demonstrated, however, a respect for having a rational system in place to allocate funds as they become available. Implementation of the RHRS, a federally-funded state-of-the-art hazard rating and planning system, will serve MDT ideally in this regard.

APPENDIX A

Preliminary Rating Data

Note: Contains only data critical to site location and Preliminary Rating. For comments and mitigation measures present at the time of the Preliminary Rating, please refer to the Oracle RHRS Database.

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
Corridor:	C000001 E									
1	001+0.300	001+0.330	Left	505,532	119,142	505,501	119,157	07-Aug-2003	C	B
2	001+0.350	001+0.390	Left	505,473	119,168	505,396	119,188	05-Aug-2003	C	B
3	002+0.440	002+0.520	Left	504,031	120,139	503,961	120,237	05-Aug-2003	C	B
4	004+0.860	005+0.040	Left	501,042	122,300	500,777	122,406	05-Aug-2003	B	B
5	005+0.080	005+0.170	Left	500,738	122,428	500,570	122,468	05-Aug-2003	A	B
6	005+0.170	005+0.250	Left	500,570	122,468	500,463	122,503	05-Aug-2003	A	B
7	005+0.250	005+0.290	Left	500,463	122,503	500,413	122,530	05-Aug-2003	A	B
8	005+0.290	005+0.380	Left	500,413	122,530	500,305	122,617	05-Aug-2003	A	B
9	005+0.380	005+0.410	Left	500,305	122,617	500,245	122,639	05-Aug-2003	A	B
10	005+0.420	005+0.440	Left	500,245	122,635	500,203	122,645	05-Aug-2003	A	B
11	005+0.440	005+0.470	Left	500,203	122,645	500,171	122,663	05-Aug-2003	A	B
12	005+0.470	005+0.560	Left	500,171	122,663	500,075	122,746	05-Aug-2003	B	B
13	005+0.560	005+0.590	Left	500,062	122,756	500,028	122,770	05-Aug-2003	A	B
14	005+0.590	005+0.730	Left	500,028	122,770	499,803	122,836	05-Aug-2003	B	B
15	005+0.790	005+0.890	Left	499,731	122,853	499,567	122,901	05-Aug-2003	A	B
16	006+0.160	006+0.260	Left	499,140	122,868	498,983	122,904	05-Aug-2003	A	B
17	008+0.510	008+0.600	Left	495,568	124,111	495,450	124,165	05-Aug-2003	C	B
18	008+0.830	008+0.890	Left	495,123	124,347	495,047	124,400	05-Aug-2003	B	B
19	009+0.080	009+0.120	Left	494,762	124,594	494,701	124,630	05-Aug-2003	C	B
20	013+0.570	013+0.620	Right	488,198	127,503	488,132	127,510	05-Aug-2003	C	B
21	017+0.160	017+0.320	Right	484,383	130,909	484,395	131,161	05-Aug-2003	B	B
22	019+0.370	019+0.470	Right	484,873	134,426	484,888	134,586	05-Aug-2003	C	B
23	019+0.470	019+0.560	Right	484,888	134,587	484,902	134,738	05-Aug-2003	C	B
24	019+0.560	019+0.640	Right	484,903	134,739	484,921	134,852	05-Aug-2003	C	B
25	019+0.640	019+0.780	Right	484,918	134,852	484,957	135,062	05-Aug-2003	C	B
26	020+0.380	020+0.680	Right	485,116	136,031	485,331	136,436	05-Aug-2003	A	A
27	020+0.800	021+0.030	Right	485,447	136,595	485,532	136,888	05-Aug-2003	A	B
28	022+0.830	022+0.910	Right	484,680	139,701	484,663	139,839	05-Aug-2003	C	B
29	023+0.680	023+0.780	Right	484,627	141,075	484,604	141,234	05-Aug-2003	C	B
30	024+0.100	024+0.300	Right	484,549	141,621	484,508	141,932	05-Aug-2003	C	B
31	025+0.920	026+0.100	Right	484,057	144,521	483,949	144,794	05-Aug-2003	A	A
32	026+0.140	026+0.560	Right	483,904	144,854	483,509	145,386	05-Aug-2003	A	B
33	026+0.560	026+0.780	Right	483,509	145,386	483,327	145,682	05-Aug-2003	A	B
34	026+0.800	026+0.900	Right	483,310	145,712	483,239	145,854	05-Aug-2003	A	A
35	026+0.900	027+0.020	Right	483,240	145,854	483,133	146,085	05-Aug-2003	A	A
36	027+0.050	027+0.130	Right	483,106	146,139	483,039	146,242	05-Aug-2003	A	B
37	028+0.990	029+0.070	Right	481,178	148,444	481,050	148,501	05-Aug-2003	B	B
38	029+0.260	029+0.350	Right	480,770	148,627	480,640	148,685	05-Aug-2003	B	B
39	029+0.570	029+0.820	Right	480,331	148,832	479,961	149,003	05-Aug-2003	B	B
40	044+0.500	044+0.530	Left	459,009	156,280	459,065	156,261	07-Aug-2003	C	B
41	045+0.900	045+0.940	Right	457,236	157,589	457,165	157,617	07-Aug-2003	B	B
42	047+0.370	047+0.440	Right	455,062	158,535	454,980	158,592	07-Aug-2003	C	B
43	048+0.640	048+0.760	Left	453,256	158,307	453,083	158,232	07-Aug-2003	B	B
44	048+0.980	049+0.000	Right	452,728	158,220	452,654	158,229	07-Aug-2003	C	B
45	050+0.430	050+0.520	Right	450,338	158,383	450,198	158,377	07-Aug-2003	B	B
46	050+0.910	050+0.970	Right	449,599	158,524	449,510	158,562	07-Aug-2003	B	B
47	053+0.340	053+0.430	Left	446,039	160,047	445,919	160,125	07-Aug-2003	B	B
48	053+0.950	053+0.990	Left	445,236	160,583	445,178	160,621	07-Aug-2003	B	B
49	054+0.150	054+0.220	Left	444,935	160,729	444,829	160,770	07-Aug-2003	B	B
50	054+0.570	054+0.600	Left	444,418	161,139	444,382	161,167	07-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
51	055+0.180	055+0.200	Left	443,827	161,837	443,824	161,879	07-Aug-2003	B	B
52	059+0.600	059+0.700	Left	437,131	163,267	436,770	163,399	07-Aug-2003	A	A
53	059+0.740	059+0.840	Left	436,903	163,319	436,777	163,395	07-Aug-2003	B	B
55	065+0.240	065+0.380	Left	439,231	170,369	439,414	170,459	07-Aug-2003	C	B
56	067+0.520	067+0.720	Left	440,654	173,237	440,833	173,509	07-Aug-2003	B	B
59	081+0.930	082+0.000	Left	433,570	191,859	433,620	192,047	07-Aug-2003	A	A
60	082+0.250	082+0.320	Left	433,749	192,455	433,780	192,566	07-Aug-2003	B	B
61	082+0.440	082+0.550	Left	433,842	192,754	433,866	192,927	07-Aug-2003	B	B
62	094+0.140	094+0.250	Left	433,479	209,854	433,485	210,027	14-Aug-2003	C	B
63	106+0.890	107+0.010	Left	438,853	225,535	438,803	225,677	14-Aug-2003	A	B
64	107+0.220	107+0.320	Left	438,844	226,060	438,877	226,211	14-Aug-2003	B	B
65	107+0.760	107+0.780	Left	438,953	226,904	438,952	226,930	14-Aug-2003	B	B
66	108+0.360	108+0.400	Left	438,963	227,865	438,995	227,948	14-Aug-2003	C	B
67	110+0.050	110+0.140	Left	440,381	230,129	440,489	230,214	14-Aug-2003	C	B
68	110+0.230	110+0.360	Left	440,603	230,299	440,753	230,417	14-Aug-2003	C	B
69	110+0.600	110+0.710	Left	441,072	230,652	441,193	230,744	14-Aug-2003	C	B
70	140+0.700	140+0.820	Right	469,556	258,905	469,553	259,150	08-Aug-2003	B	B
71	141+0.000	141+0.040	Right	469,651	259,528	469,688	259,604	08-Aug-2003	B	B
72	153+0.820	153+0.870	Right	481,537	269,893	481,523	269,984	08-Aug-2003	A	B
73	154+0.030	154+0.110	Right	481,455	270,168	481,395	270,268	08-Aug-2003	B	B
74	154+0.460	154+0.530	Left	481,110	270,762	481,063	270,856	08-Aug-2003	B	B
75	154+0.660	154+0.780	Right	480,936	271,037	480,853	271,206	08-Aug-2003	B	B
76	154+0.860	155+0.000	Left	480,842	271,349	480,870	271,481	08-Aug-2003	A	A
77	155+0.500	155+0.620	Right	481,535	271,866	481,628	272,000	08-Aug-2003	A	A
78	155+0.520	155+0.590	Left	481,570	271,884	481,631	271,999	08-Aug-2003	A	A
79	155+0.700	155+0.800	Right	481,600	272,173	481,601	272,339	08-Aug-2003	A	A
80	155+0.810	155+0.880	Right	481,584	272,335	481,600	272,446	08-Aug-2003	A	A
81	155+0.880	156+0.000	Right	481,599	272,445	481,671	272,714	08-Aug-2003	A	A
82	156+0.020	156+0.060	Right	481,699	272,742	481,674	272,799	08-Aug-2003	B	B
83	156+0.260	156+0.390	Right	481,425	272,989	481,269	273,132	08-Aug-2003	B	A
84	156+0.430	156+0.520	Right	481,247	273,193	481,250	273,335	08-Aug-2003	A	B
85	156+0.600	156+0.730	Right	481,305	273,446	481,323	273,636	08-Aug-2003	A	A
86	156+0.870	156+0.900	Right	481,121	273,715	481,065	273,720	08-Aug-2003	B	B
87	156+0.970	157+0.180	Right	480,976	273,761	480,753	274,030	08-Aug-2003	A	A
88	157+0.240	157+0.340	Right	480,705	274,114	480,623	274,255	08-Aug-2003	A	A
89	157+0.740	157+0.850	Right	480,683	274,872	480,688	275,038	08-Aug-2003	C	B
90	157+0.920	158+0.040	Right	480,678	275,153	480,657	275,354	08-Aug-2003	A	A
91	157+0.960	158+0.010	Left	480,677	275,330	480,667	275,298	08-Aug-2003	C	B
92	158+0.160	158+0.240	Right	480,701	275,537	480,717	275,653	08-Aug-2003	A	B
93	158+0.290	158+0.320	Left	480,722	275,730	480,723	275,791	08-Aug-2003	B	B
94	158+0.470	158+0.640	Right	480,716	276,034	480,632	276,284	08-Aug-2003	A	A
95	158+0.960	159+0.050	Right	480,276	276,666	480,236	276,797	08-Aug-2003	B	A
96	159+0.600	159+0.650	Right	480,261	277,639	480,287	277,655	08-Aug-2003	B	A
97	159+0.940	160+0.000	Right	480,095	278,133	480,052	278,208	08-Aug-2003	B	B
98	161+0.040	161+0.090	Right	478,602	278,997	478,531	279,050	08-Aug-2003	C	B
99	164+0.520	164+0.670	Right	473,824	281,814	473,683	281,998	08-Aug-2003	C	B
100	168+0.130	168+0.170	Left	471,712	286,633	471,704	286,702	08-Aug-2003	C	B
101	168+0.140	168+0.190	Right	471,704	286,641	471,704	286,702	08-Aug-2003	C	B
102	168+0.320	168+0.440	Right	471,721	286,934	471,679	287,112	08-Aug-2003	C	B
103	168+0.440	168+0.550	Right	471,679	287,112	471,530	287,205	08-Aug-2003	B	B
104	168+0.790	168+0.850	Right	471,180	287,384	471,099	287,407	08-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
105	172+0.850	172+0.950	Left	465,839	290,921	465,838	291,079	08-Aug-2003	B	B
106	177+0.070	177+0.220	Right	460,165	293,813	459,966	293,924	09-Aug-2003	C	B
107	181+0.210	181+0.270	Left	454,254	296,021	454,232	296,105	09-Aug-2003	C	B
108	181+0.680	181+0.720	Left	454,217	296,755	454,217	296,815	09-Aug-2003	C	B
109	181+0.810	181+0.960	Left	454,171	296,947	454,003	297,121	09-Aug-2003	A	B
110	182+0.340	182+0.420	Left	453,666	297,589	453,559	297,641	09-Aug-2003	C	B
111	182+0.510	182+0.610	Left	453,420	297,712	453,277	297,787	09-Aug-2003	C	B
112	182+0.630	182+0.680	Left	453,243	297,811	453,178	297,858	09-Aug-2003	C	B
113	187+0.000	187+0.180	Right	450,842	301,543	450,849	301,832	09-Aug-2003	B	A
114	195+0.350	195+0.430	Left	456,791	311,948	456,883	312,031	09-Aug-2003	C	B
115	196+0.550	196+0.640	Right	457,567	313,568	457,694	313,589	09-Aug-2003	C	B
116	196+0.720	196+0.750	Right	457,827	313,614	457,865	313,621	09-Aug-2003	B	B
117	205+0.000	205+0.070	Right	467,226	322,063	467,329	322,117	09-Aug-2003	B	B
118	254+0.280	254+0.320	Right	491,142	390,418	491,188	390,442	12-Aug-2003	B	B
119	254+0.350	254+0.480	Right	491,233	390,480	491,368	390,555	12-Aug-2003	B	B
120	378+0.310	378+0.460	Right	478,390	580,358	478,399	580,576	24-Aug-2003	A	A
Corridor:	C000003	N								
121	103+0.060	103+0.210	Right	475,271	354,632	475,330	354,402	12-Aug-2003	C	B
Corridor:	C000005	N								
122	004+0.290	004+0.320	Left	316,785	248,743	316,832	248,767	09-Aug-2003	C	B
123	004+0.550	004+0.760	Right	317,160	248,919	317,470	249,038	09-Aug-2003	B	B
124	004+0.820	004+0.920	Left	317,551	249,080	317,678	249,160	09-Aug-2003	B	B
125	023+0.400	023+0.540	Right	341,556	248,301	341,694	248,184	09-Aug-2003	B	B
126	024+0.600	024+0.710	Right	343,029	247,114	343,176	247,005	09-Aug-2003	B	B
127	024+0.730	023+0.770	Right	343,193	246,996	343,249	246,970	09-Aug-2003	B	B
128	025+0.350	025+0.500	Right	344,170	246,745	344,406	246,796	09-Aug-2003	B	A
129	026+0.500	026+0.630	Right	345,723	246,667	345,888	246,576	09-Aug-2003	C	B
130	028+0.620	028+0.660	Right	348,464	247,023	348,514	247,066	09-Aug-2003	C	B
131	028+0.700	028+0.740	Right	348,553	247,103	348,595	247,155	09-Aug-2003	B	B
132	069+0.990	070+0.130	Left	405,548	245,540	405,785	245,504	06-Aug-2003	C	B
133	070+0.350	070+0.440	Left	406,071	245,324	406,158	245,215	06-Aug-2003	B	B
134	070+0.840	070+0.960	Left	406,436	244,640	406,509	244,460	06-Aug-2003	B	B
135	071+0.640	071+0.730	Left	406,455	243,408	406,401	243,287	06-Aug-2003	B	B
136	074+0.800	075+0.150	Left	406,541	239,704	406,920	239,342	06-Aug-2003	B	B
137	074+0.820	075+0.130	Right	406,610	239,703	406,914	239,397	06-Aug-2003	B	B
138	086+0.390	086+0.560	Left	414,471	247,788	414,729	247,865	06-Aug-2003	B	B
139	091+0.170	091+0.270	Right	419,569	250,459	419,679	250,347	06-Aug-2003	B	B
140	093+0.360	093+0.520	Left	422,702	250,179	422,953	250,195	06-Aug-2003	B	B
141	093+0.600	093+0.710	Left	423,077	250,185	423,258	250,150	06-Aug-2003	B	B
142	093+0.730	093+0.820	Left	423,286	250,144	423,421	250,090	06-Aug-2003	B	B
143	094+0.310	094+0.480	Left	424,097	249,689	424,350	249,612	06-Aug-2003	C	B
144	094+0.930	094+0.970	Right	425,074	249,598	425,136	249,606	06-Aug-2003	C	B
145	094+0.970	095+0.000	Left	425,144	249,599	425,191	249,607	06-Aug-2003	C	B
146	095+0.010	095+0.100	Right	425,227	249,629	425,355	249,652	05-Aug-2003	C	B
148	095+0.300	095+0.400	Left	425,688	249,592	425,814	249,511	05-Aug-2003	B	B
147	095+0.300	095+0.390	Right	425,698	249,598	425,804	249,535	05-Aug-2003	B	B
149	095+0.750	095+0.920	Left	426,222	249,125	426,445	248,959	05-Aug-2003	C	B
150	096+0.950	097+0.080	Left	427,950	248,306	428,155	248,201	05-Aug-2003	C	B
151	096+0.970	097+0.020	Right	427,972	248,310	428,456	248,086	05-Aug-2003	B	B
152	097+0.020	097+0.110	Right	428,070	248,230	428,205	248,205	05-Aug-2003	A	B
153	097+0.110	097+0.390	Left	428,205	248,200	428,603	248,028	05-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
154	097+0.110	097+0.280	Right	428,205	248,205	428,471	248,099	05-Aug-2003	A	A
155	097+0.280	097+0.390	Right	428,471	248,099	428,607	248,041	05-Aug-2003	A	B
156	099+0.790	099+0.940	Left	432,384	247,841	432,612	247,778	05-Aug-2003	C	B
157	101+0.620	101+0.750	Left	434,948	246,897	435,158	246,865	05-Aug-2003	B	B
158	103+0.430	103+0.520	Right	436,747	247,973	436,886	247,910	05-Aug-2003	C	B
159	103+0.520	103+0.580	Right	436,886	247,910	436,966	247,869	05-Aug-2003	C	B
160	103+0.580	103+0.680	Right	436,966	247,869	437,111	247,789	05-Aug-2003	B	B
161	132+0.580	132+0.620	Right	472,222	235,204	472,250	235,138	11-Aug-2003	B	B
162	149+0.240	149+0.280	Right	495,216	223,097	495,273	223,042	11-Aug-2003	B	B
163	155+0.300	155+0.350	Right	501,045	215,490	501,076	215,411	11-Aug-2003	B	B
164	158+0.470	158+0.570	Right	504,736	212,226	504,887	212,177	11-Aug-2003	B	B
165	159+0.160	159+0.210	Right	505,797	211,991	505,876	211,951	11-Aug-2003	B	B
Corridor:	C000006 E									
166	000+0.700	000+0.790	Left	447,195	114,062	447,173	114,206	04-Aug-2003	B	B
167	000+0.790	000+0.940	Left	447,172	114,207	447,122	114,439	04-Aug-2003	A	B
169	001+0.050	001+0.160	Left	447,093	114,572	447,036	114,729	04-Aug-2003	B	B
168	001+0.050	001+0.160	Right	447,093	114,572	447,035	114,729	04-Aug-2003	B	B
170	005+0.020	005+0.070	Left	444,584	120,228	444,589	120,315	04-Aug-2003	B	B
171	005+0.430	005+0.470	Left	444,494	120,854	444,484	120,925	04-Aug-2003		B
172	005+0.500	005+0.580	Left	444,436	121,037	444,401	121,071	04-Aug-2003		B
173	006+0.640	006+0.680	Left	443,688	122,570	443,662	122,620	04-Aug-2003		B
174	007+0.550	007+0.670	Left	442,901	123,849	442,835	123,960	04-Aug-2003	A	A
175	007+0.720	007+0.840	Left	442,583	124,210	442,638	124,175	04-Aug-2003	A	A
176	017+0.600	017+0.660	Left	432,406	135,539	432,405	135,539	04-Aug-2003	B	B
177	057+0.950	058+0.000	Left	386,040	171,747	386,016	171,819	07-Aug-2003	C	B
178	058+0.080	058+0.150	Left	385,965	171,938	385,916	172,019	07-Aug-2003	B	B
179	058+0.150	058+0.210	Left	385,945	172,019	385,916	172,147	07-Aug-2003	A	A
180	058+0.210	058+0.300	Left	385,916	172,147	385,894	172,280	07-Aug-2003	B	B
181	058+0.300	058+0.360	Left	385,894	172,280	385,873	172,379	07-Aug-2003	A	A
182	058+0.360	058+0.440	Left	385,873	172,379	385,844	172,497	07-Aug-2003	A	A
183	058+0.440	058+0.550	Left	385,844	172,497	385,828	172,576	07-Aug-2003	A	B
184	058+0.550	058+0.610	Left	385,926	172,037	385,769	172,759	07-Aug-2003	A	A
185	058+0.610	058+0.720	Left	385,770	172,759	385,693	172,949	07-Aug-2003	B	B
186	058+0.740	058+0.890	Left	385,693	172,950	385,560	173,175	07-Aug-2003	B	B
187	062+0.700	062+0.750	Left	381,877	178,045	381,841	178,106	08-Aug-2003	B	B
188	063+0.840	064+0.250	Left	381,163	179,746	380,832	180,294	08-Aug-2003	C	B
54	064+0.250	064+0.400	Left	380,832	180,294	380,647	180,449	08-Aug-2003	A	A
189	064+0.400	064+0.520	Left	380,647	180,449	380,538	180,610	08-Aug-2003	A	A
190	064+0.520	064+0.630	Left	380,538	180,610	380,461	180,773	08-Aug-2003	A	A
191	064+0.630	064+0.740	Left	380,461	180,773	380,369	180,935	08-Aug-2003	B	A
192	064+0.740	064+0.800	Left	380,369	180,925	380,318	181,002	08-Aug-2003	B	B
193	067+0.400	067+0.430	Left	378,588	184,847	378,591	184,901	08-Aug-2003	B	B
194	067+0.480	067+0.540	Left	378,586	184,965	378,578	185,065	08-Aug-2003	B	B
195	068+0.050	068+0.110	Left	378,507	185,940	378,519	185,846	08-Aug-2003	B	A
196	068+0.250	068+0.310	Left	378,472	186,174	378,456	186,277	08-Aug-2003	B	B
57	068+0.310	068+0.390	Left	378,456	186,277	378,436	186,388	08-Aug-2003	B	B
197	068+0.410	068+0.460	Left	378,429	186,219	378,402	186,500	08-Aug-2003	B	B
58	070+0.600	070+0.680	Left	376,505	189,374	376,462	189,506	08-Aug-2003	B	B
198	070+0.680	070+0.770	Left	376,462	189,506	376,415	189,637	08-Aug-2003	B	B
199	070+0.790	070+0.940	Left	376,401	189,666	376,284	189,877	08-Aug-2003	B	B
200	071+0.950	072+0.150	Left	376,043	191,413	375,806	191,639	08-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
201	077+0.290	077+0.430	Left	368,853	195,981	368,683	196,145	02-Aug-2003	C	B
202	078+0.790	078+0.840	Left	366,868	197,095	366,810	197,151	02-Aug-2003	C	B
203	079+0.030	079+0.130	Left	366,551	197,317	366,423	197,397	02-Aug-2003	C	B
204	080+0.010	080+0.120	Left	365,344	198,203	365,187	198,288	02-Aug-2003	C	B
205	087+0.170	087+0.220	Right	357,408	204,975	357,366	205,016	02-Aug-2003	C	B
206	087+0.410	087+0.430	Right	357,179	205,238	357,175	205,287	02-Aug-2003	C	B
207	087+0.450	087+0.500	Right	357,170	205,321	357,141	205,382	02-Aug-2003	B	B
208	087+0.580	087+0.670	Right	357,091	205,499	357,058	205,642	02-Aug-2003	C	B
209	088+0.040	088+0.090	Right	356,971	206,198	356,962	206,253	02-Aug-2003	C	B
210	088+0.150	088+0.230	Right	356,964	206,365	356,948	206,489	02-Aug-2003	B	B
211	088+0.270	088+0.320	Right	356,945	206,510	356,912	206,633	02-Aug-2003	B	B
212	088+0.560	088+0.700	Right	356,846	206,977	356,757	207,169	02-Aug-2003	C	B
213	090+0.800	090+0.890	Right	355,983	210,353	355,902	210,481	02-Aug-2003	B	B
214	090+0.890	091+0.020	Right	355,902	210,482	355,780	210,677	02-Aug-2003	C	B
215	091+0.050	091+0.160	Right	355,751	210,719	355,642	210,864	02-Aug-2003	C	B
216	091+0.220	091+0.410	Right	355,587	210,938	355,420	211,199	02-Aug-2003	C	B
217	094+0.830	094+0.860	Right	358,259	215,791	358,271	215,838	08-Aug-2003	C	B
218	096+0.300	096+0.410	Right	357,986	218,020	357,894	218,157	08-Aug-2003	C	B
219	102+0.280	102+0.470	Right	352,953	226,055	352,899	226,350	08-Aug-2003	B	B
220	102+0.700	102+0.790	Right	352,877	226,725	352,858	226,862	08-Aug-2003	B	B
221	103+0.260	103+0.400	Right	352,705	227,591	352,654	227,811	08-Aug-2003	B	B
222	103+0.960	104+0.060	Right	352,378	228,661	352,297	228,820	08-Aug-2003	B	B
Corridor:	C000007	N								
223	000+0.580	001+0.140	Right	170,957	254,167	171,432	254,856	10-Aug-2003	C	B
224	001+0.240	001+0.440	Right	171,476	255,033	171,796	255,014	10-Aug-2003	C	B
225	002+0.030	002+0.300	Right	172,250	255,480	172,655	255,469	10-Aug-2003	A	A
226	002+0.410	002+0.490	Right	172,775	255,608	172,764	255,722	10-Aug-2003	C	B
227	002+0.540	002+0.630	Right	172,721	255,747	172,634	255,896	10-Aug-2003	C	B
228	002+0.630	002+0.750	Right	172,634	255,897	172,526	256,054	10-Aug-2003	C	B
229	002+0.890	003+0.320	Right	172,534	256,219	173,201	256,058	10-Aug-2003	A	A
230	003+0.400	003+0.500	Right	173,283	256,137	173,443	256,210	10-Aug-2003	C	B
231	003+0.630	003+0.810	Right	173,621	256,307	173,881	256,226	10-Aug-2003	C	B
232	004+0.190	004+0.210	Right	174,411	256,282	174,430	256,244	10-Aug-2003	C	B
233	004+0.230	004+0.440	Right	174,415	256,207	174,353	255,934	10-Aug-2003	A	A
234	004+0.440	004+0.480	Right	174,353	255,935	174,406	255,884	10-Aug-2003	C	B
235	004+0.480	005+0.080	Right	174,406	255,883	175,070	255,355	10-Aug-2003	A	A
236	005+0.080	005+0.180	Right	175,071	255,354	175,212	255,278	10-Aug-2003	A	A
237	005+0.180	005+0.740	Right	175,212	255,279	176,017	254,870	10-Aug-2003	A	A
238	005+0.740	005+0.990	Right	176,015	254,871	176,388	254,732	10-Aug-2003	C	B
239	006+0.220	006+0.330	Right	176,852	254,565	177,004	254,504	10-Aug-2003	A	B
240	010+0.280	010+0.430	Left	183,185	254,117	183,413	254,115	10-Aug-2003	A	B
241	011+0.840	011+0.900	Left	185,498	253,217	185,599	253,171	10-Aug-2003		B
242	012+0.150	012+0.270	Left	185,914	252,946	186,048	252,781	10-Aug-2003		B
243	012+0.370	012+0.470	Left	186,124	252,648	186,179	252,508	10-Aug-2003	A	B
244	012+0.670	012+0.730	Left	186,232	252,205	186,227	252,100	10-Aug-2003	B	B
245	013+0.200	013+0.400	Right	186,198	251,360	186,455	251,195	10-Aug-2003	A	A
246	013+0.670	013+0.770	Right	186,872	251,106	187,016	251,008	10-Aug-2003		B
247	014+0.090	014+0.220	Right	187,227	250,549	187,309	250,368	10-Aug-2003	A	A
248	014+0.900	014+0.970	Right	187,894	249,561	187,992	249,508	10-Aug-2003	A	B
249	015+0.050	015+0.140	Left	188,110	249,477	188,240	249,441	10-Aug-2003	A	A
250	015+0.070	015+0.140	Right	188,137	249,473	188,240	249,441	10-Aug-2003		B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
251	015+0.240	015+0.350	Right	188,388	249,377	188,548	249,297	10-Aug-2003	A	B
252	015+0.980	016+0.030	Left	189,200	248,566	189,234	248,501	10-Aug-2003	A	B
253	016+0.910	017+0.070	Left	189,877	247,612	190,027	247,552	10-Aug-2003	A	B
254	017+0.830	017+0.900	Left	190,868	246,685	190,920	246,579	10-Aug-2003	A	A
255	018+0.970	019+0.000	Right	192,241	245,690	192,285	245,668	10-Aug-2003	C	B
256	019+0.570	019+0.620	Right	193,140	245,554	193,222	245,541	10-Aug-2003	C	B
257	021+0.460	021+0.500	Right	195,054	243,979	195,113	243,915	10-Aug-2003	c	B
258	036+0.890	036+0.980	Left	216,993	238,161	217,086	238,259	11-Aug-2003	B	B
259	038+0.280	038+0.320	Right	219,031	238,794	219,083	238,799	11-Aug-2003	B	B
260	086+0.400	086+0.630	Left	293,051	249,138	293,391	249,292	11-Aug-2003	B	B
261	086+0.740	086+0.980	Left	293,542	249,361	293,909	249,466	11-Aug-2003	C	B
262	087+0.430	087+0.660	Left	294,643	249,432	294,954	249,613	11-Aug-2003	B	B
263	088+0.330	088+0.550	Left	295,582	250,364	295,736	250,680	11-Aug-2003	B	B
Corridor:	C000008	E								
264	002+0.520	002+0.760	Left	258,796	350,831	258,870	351,202	01-Aug-2003	A	B
265	002+0.830	003+0.000	Left	258,891	351,312	258,968	351,561	01-Aug-2003	A	B
266	003+0.290	003+0.430	Left	259,126	352,000	259,205	352,213	01-Aug-2003	B	B
267	004+0.160	004+0.310	Left	259,274	353,353	259,287	353,569	01-Aug-2003	B	B
268	004+0.550	004+0.600	Left	259,396	353,943	259,423	354,021	01-Aug-2003	B	B
269	005+0.230	005+0.360	Left	259,570	355,041	259,583	355,227	01-Aug-2003	A	A
270	007+0.360	007+0.490	Right	262,039	356,577	262,147	356,746	01-Aug-2003	A	B
271	008+0.330	008+0.480	Right	262,935	357,737	263,168	357,643	01-Aug-2003	B	B
272	008+0.700	008+0.800	Right	263,476	357,490	263,646	357,487	01-Aug-2003	A	B
273	010+0.150	010+0.210	Right	265,322	358,739	265,345	358,836	01-Aug-2003	A	A
274	010+0.780	011+0.000	Right	265,560	359,729	265,640	360,079	01-Aug-2003	B	B
275	011+0.430	011+0.510	Right	265,760	360,751	265,764	360,893	01-Aug-2003	B	B
276	013+0.510	013+0.680	Right	265,291	364,004	265,240	364,271	01-Aug-2003	A	B
277	018+0.500	018+0.610	Right	262,467	371,387	262,405	371,556	01-Aug-2003	A	A
278	024+0.400	024+0.550	Left	260,564	380,016	260,411	380,210	01-Aug-2003	B	B
279	024+0.720	024+0.940	Left	260,326	380,462	260,304	380,730	02-Aug-2003	B	B
280	025+0.220	025+0.340	Left	260,464	381,280	260,486	381,474	02-Aug-2003	B	B
281	025+0.450	025+0.550	Left	260,536	381,646	260,576	381,811	02-Aug-2003	B	B
282	026+0.600	026+0.700	Left	260,263	383,261	260,217	383,416	02-Aug-2003	B	B
283	029+0.260	029+0.310	Left	262,274	386,588	262,257	386,663	02-Aug-2003	B	B
284	029+0.490	029+0.600	Left	262,319	386,951	262,442	387,062	02-Aug-2003	B	B
285	029+0.720	029+0.790	Left	262,560	387,220	262,613	387,340	02-Aug-2003	A	B
286	030+0.070	030+0.130	Left	262,841	387,666	262,881	387,760	02-Aug-2003	A	B
287	030+0.340	030+0.500	Left	263,081	388,011	263,327	387,943	02-Aug-2003	B	B
288	030+0.540	030+0.600	Left	263,388	387,895	263,462	387,859	02-Aug-2003	B	B
289	031+0.050	031+0.290	Left	263,329	388,307	263,010	388,526	02-Aug-2003	A	B
290	031+0.370	031+0.590	Left	262,882	388,553	262,593	388,729	02-Aug-2003	B	B
291	038+0.420	038+0.470	Right	263,283	399,214	263,309	399,299	02-Aug-2003	B	B
292	038+0.750	038+0.880	Right	263,532	399,686	263,690	399,827	02-Aug-2003	A	B
293	039+0.430	039+0.470	Right	264,162	400,567	264,199	400,627	05-Aug-2003	B	B
294	040+0.060	040+0.210	Right	264,571	401,500	264,666	401,721	05-Aug-2003		B
295	040+0.570	040+0.660	Right	264,935	402,228	265,009	402,347	05-Aug-2003	B	B
Corridor:	C000009	N								
296	004+0.610	004+0.710	Right	318,422	405,457	318,591	405,452	08-Aug-2003	B	B
297	005+0.090	005+0.150	Right	319,085	405,767	319,165	405,830	08-Aug-2003	B	B
298	012+0.160	012+0.210	Right	329,658	403,176	329,716	403,216	08-Aug-2003	B	B
299	030+0.490	030+0.540	Right	352,641	387,585	352,670	387,531	08-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
300	030+0.580	030+0.600	Right	352,711	387,490	352,751	387,464	08-Aug-2003		B
301	041+0.660	041+0.750	Right	367,982	384,386	368,116	384,389	08-Aug-2003		B
302	041+0.680	041+0.780	Left	368,007	384,386	368,169	384,390	08-Aug-2003		B
Corridor:	C000011	N								
303	006+0.010	006+0.060	Right	94,090	499,664	94,169	499,642	08-Aug-2003	B	B
304	006+0.570	006+0.960	Right	94,877	499,304	95,472	499,187	08-Aug-2003	A	A
305	012+0.200	012+0.460	Right	102,750	494,585	102,801	494,186	08-Aug-2003	A	B
306	013+0.220	013+0.320	Right	103,188	493,029	103,213	492,874	08-Aug-2003	A	B
307	013+0.320	013+0.660	Right	103,213	492,874	103,312	492,349	08-Aug-2003	A	A
308	013+0.660	013+0.840	Right	103,312	492,349	103,407	492,072	08-Aug-2003	A	B
309	013+0.840	013+0.960	Right	103,407	492,072	103,493	491,920	08-Aug-2003	A	A
310	013+0.960	014+0.610	Right	103,662	491,732	104,268	491,228	08-Aug-2003	A	A
311	015+0.030	015+0.710	Right	104,778	490,754	105,603	490,116	08-Aug-2003		B
312	015+0.710	015+0.840	Right	105,603	490,116	105,811	490,057	08-Aug-2003	A	A
313	048+0.990	049+0.170	Left	149,101	516,225	149,369	516,324	06-Aug-2003	B	B
314	049+0.320	049+0.380	Left	149,605	516,387	149,691	516,419	06-Aug-2003	B	B
Corridor:	C000012	E								
315	000+0.350	000+0.490	Left	49,146	459,679	49,343	459,747	07-Aug-2003	B	B
316	001+0.240	001+0.390	Right	49,986	460,660	50,022	460,858	07-Aug-2003	C	B
317	001+0.260	001+0.390	Left	49,992	460,709	50,023	460,857	07-Aug-2003	C	B
Corridor:	C000013	N								
318	012+0.170	012+0.330	Right	70,142	438,293	70,320	438,113	07-Aug-2003	A	A
319	060+0.330	060+0.460	Right	141,557	428,609	141,746	428,667	09-Aug-2003	A	B
320	060+0.560	060+0.650	Right	141,940	428,676	142,088	428,686	09-Aug-2003	A	B
321	061+0.810	062+0.320	Right	143,632	428,826	144,255	428,326	09-Aug-2003	A	B
322	089+0.950	090+0.090	Left	181,450	434,070	181,538	434,289	12-Aug-2003		B
323	090+0.770	091+0.070	Left	182,070	435,150	182,354	435,364	12-Aug-2003		A
324	091+0.110	091+0.160	Left	182,413	435,443	182,464	435,497	12-Aug-2003		B
325	092+0.100	092+0.170	Left	183,772	436,221	184,396	436,395	12-Aug-2003		B
Corridor:	C000014	E								
326	012+0.090	012+0.120	Left	232,541	463,484	232,563	463,515	30-Jul-2003	B	B
327	012+0.200	012+0.230	Left	232,622	463,630	232,636	463,680	30-Jul-2003	B	A
328	012+0.640	012+0.690	Left	232,953	464,241	232,973	464,309	30-Jul-2003	B	B
329	013+0.320	013+0.360	Left	232,898	465,249	232,903	465,302	30-Jul-2003	B	A
330	013+0.800	013+0.830	Left	233,025	465,978	233,032	466,029	30-Jul-2003	B	A
331	014+0.000	014+0.030	Left	233,120	466,302	233,132	466,363	30-Jul-2003	C	B
332	014+0.000	014+0.030	Right	233,122	466,320	233,132	466,363	30-Jul-2003	C	B
333	014+0.500	014+0.540	Left	233,048	467,112	233,046	467,165	30-Jul-2003		B
334	014+0.710	014+0.790	Left	233,025	467,430	233,013	467,558	30-Jul-2003	B	B
335	014+0.840	014+0.880	Right	233,033	467,637	233,040	467,703	30-Jul-2003	B	B
336	015+0.090	015+0.130	Left	233,016	468,064	233,007	468,122	30-Jul-2003	B	B
337	015+0.220	015+0.270	Left	232,932	468,236	232,870	468,284	30-Jul-2003	B	A
338	015+0.480	015+0.510	Left	232,661	468,557	232,631	468,603	30-Jul-2003	B	B
339	015+0.600	015+0.630	Left	232,569	468,720	232,549	468,772	30-Jul-2003	B	B
340	015+0.810	015+0.840	Left	232,473	469,061	232,456	469,103	30-Jul-2003	C	B
341	016+0.150	016+0.300	Left	232,210	469,552	232,076	469,740	30-Jul-2003	B	B
342	017+0.280	017+0.320	Right	232,825	471,018	232,855	471,067	30-Jul-2003	B	B
343	017+0.680	017+0.780	Left	233,176	471,549	233,300	471,666	30-Jul-2003	C	B
344	017+0.900	017+0.940	Left	233,454	471,802	233,499	471,848	30-Jul-2003	B	B
345	017+0.940	018+0.000	Left	233,500	471,846	233,539	471,878	30-Jul-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
346	018+0.110	018+0.160	Left	233,657	472,010	233,700	472,100	30-Jul-2003		B
347	018+0.330	018+0.410	Left	233,865	472,288	233,931	472,408	30-Jul-2003	B	B
348	018+0.530	018+0.560	Left	233,966	472,582	233,969	472,623	30-Jul-2003	A	B
349	018+0.560	018+0.600	Left	233,973	472,633	233,977	472,698	30-Jul-2003	A	B
350	018+0.680	018+0.730	Left	234,016	472,823	234,038	472,890	30-Jul-2003	C	B
351	019+0.110	019+0.190	Left	234,317	473,436	234,407	473,527	30-Jul-2003	C	B
352	019+0.290	019+0.340	Left	234,503	473,651	234,517	473,720	30-Jul-2003	A	B
353	019+0.370	019+0.400	Left	234,517	473,766	234,505	473,824	30-Jul-2003	A	A
354	019+0.470	019+0.530	Left	234,478	473,929	234,474	474,016	30-Jul-2003	B	B
355	019+0.820	019+0.850	Right	234,731	474,376	234,771	474,389	30-Jul-2003	B	B
356	019+0.860	019+0.890	Left	234,804	474,399	234,847	474,411	30-Jul-2003	B	B
357	019+0.940	019+0.960	Left	234,912	474,430	234,929	474,442	30-Jul-2003	B	B
358	020+0.000	020+0.040	Left	234,986	474,451	235,037	474,455	30-Jul-2003	A	B
359	020+0.140	020+0.180	Left	235,214	474,455	235,279	474,468	30-Jul-2003	B	B
360	020+0.210	020+0.290	Right	235,433	474,522	235,431	474,564	30-Jul-2003	B	B
361	020+0.580	020+0.640	Left	235,547	474,983	235,516	475,075	30-Jul-2003	A	A
362	020+0.710	020+0.740	Right	235,485	475,174	235,471	475,213	30-Jul-2003	A	B
363	020+0.810	020+0.850	Left	235,443	475,330	235,439	475,392	30-Jul-2003	A	A
364	020+0.830	020+0.840	Right	235,438	475,356	235,439	475,382	30-Jul-2003	B	B
365	020+0.870	020+0.910	Right	235,443	475,423	235,461	475,486	30-Jul-2003	B	B
366	021+0.180	021+0.200	Left	235,512	475,946	235,515	475,962	30-Jul-2003	C	B
367	021+0.680	021+0.740	Left	235,476	476,728	235,450	476,821	30-Jul-2003	C	B
368	061+0.960	062+0.190	Right	259,330	518,690	259,126	518,991	24-Aug-2003	B	A
369	065+0.000	065+0.220	Right	257,038	522,811	256,804	523,063	24-Aug-2003	A	B
370	065+0.480	065+0.560	Right	256,632	523,461	256,605	523,573	24-Aug-2003	B	B
371	140+0.580	140+0.750	Left	227,838	634,601	227,834	634,862	31-Jul-2003	A	B
372	140+0.750	140+0.980	Left	227,833	634,862	227,836	635,237	31-Jul-2003	A	A
373	141+0.480	141+0.570	Left	227,925	636,042	227,941	636,185	31-Jul-2003	A	A
374	164+0.210	164+0.390	Left	239,076	668,735	239,254	668,905	31-Jul-2003	A	A
375	165+0.460	165+0.520	Left	240,745	669,668	240,841	669,697	31-Jul-2003	A	A
376	185+0.680	185+0.870	Left	252,188	698,078	252,104	698,363	31-Jul-2003	B	B
377	189+0.770	189+0.840	Left	252,643	704,488	252,631	704,578	31-Jul-2003	C	B
378	253+0.760	253+0.830	Left	239,823	793,798	239,777	793,904	01-Aug-2003	C	B
379	259+0.070	259+0.120	Left	236,302	800,718	236,249	800,773	01-Aug-2003	C	B
380	265+0.650	265+0.740	Left	230,414	809,390	230,328	809,506	01-Aug-2003		B
Corridor:	C000015	N								
381	011+0.890	012+0.210	Right	45,523	359,443	45,555	358,782	09-Aug-2003	A	B
382	012+0.530	012+0.730	Left	45,577	358,271	45,592	357,939	09-Aug-2003	A	B
383	049+0.920	050+0.080	Left	96,349	340,081	96,615	340,128	10-Aug-2003	C	B
384	051+0.780	052+0.320	Left	98,351	341,862	99,145	342,002	10-Aug-2003	A	A
385	053+0.660	053+0.710	Left	100,895	343,151	100,940	343,231	10-Aug-2003	B	B
386	086+0.360	086+0.600	Right	148,386	350,460	148,642	350,745	11-Aug-2003	B	B
387	086+0.470	086+0.570	Left	148,541	350,556	148,643	350,677	11-Aug-2003	B	B
388	087+0.080	087+0.380	Right	149,356	351,041	149,823	351,166	11-Aug-2003	B	B
389	123+0.580	123+0.770	Left	199,853	361,032	199,823	361,338	13-Aug-2003		B
390	123+0.910	124+0.010	Left	199,803	361,559	199,787	361,735	13-Aug-2003	B	B
390	123+0.910	124+0.010	Left	199,803	361,559	199,787	361,735	05-Aug-2003	B	B
391	131+0.500	131+0.770	Right	199,422	370,757	199,850	370,817	13-Aug-2003	B	B
392	132+0.350	132+0.700	Right	200,765	370,886	201,346	370,938	13-Aug-2003	B	B
393	132+0.410	132+0.620	Left	200,866	370,845	201,192	370,872	13-Aug-2003	B	B
394	134+0.580	134+0.670	Right	202,768	371,051	202,907	371,117	13-Aug-2003		B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
395	143+0.790	144+0.010	Left	216,974	378,571	217,094	378,871	05-Aug-2003	B	B
396	144+0.020	144+0.160	Right	217,140	378,925	217,329	379,039	05-Aug-2003	C	B
397	144+0.270	144+0.550	Right	217,424	379,191	217,398	379,655	05-Aug-2003	B	B
398	145+0.120	145+0.210	Right	218,069	380,384	218,209	380,409	05-Aug-2003	B	B
399	145+0.310	145+0.570	Right	218,377	380,427	218,802	380,466	05-Aug-2003	B	B
400	145+0.630	145+0.910	Right	218,956	380,481	219,377	380,492	05-Aug-2003	A	B
401	146+0.050	146+0.200	Right	219,622	380,482	219,867	380,470	05-Aug-2003	A	B
402	146+0.320	146+0.380	Right	220,061	380,485	220,156	380,525	05-Aug-2003	B	B
403	146+0.450	146+0.660	Right	220,226	380,579	220,581	380,767	05-Aug-2003	A	B
404	146+0.710	146+0.970	Right	220,665	380,796	221,006	381,003	05-Aug-2003	B	B
405	147+0.170	147+0.340	Right	221,317	380,943	221,546	380,766	05-Aug-2003	B	B
406	147+0.490	147+0.770	Right	221,748	380,647	222,111	380,346	05-Aug-2003	B	B
407	155+0.060	155+0.420	Left	228,094	385,473	228,295	386,005	04-Aug-2003	B	B
408	157+0.770	157+0.930	Left	228,252	389,734	228,223	389,964	04-Aug-2003	B	A
409	158+0.150	158+0.280	Left	228,163	390,312	228,018	390,497	04-Aug-2003	B	A
410	158+0.340	158+0.570	Right	227,962	390,635	227,780	390,649	05-Aug-2003	B	B
411	158+0.910	159+0.060	Right	227,330	390,407	227,146	390,576	05-Aug-2003	B	B
412	159+0.560	159+0.680	Right	226,854	391,196	226,985	391,336	05-Aug-2003	B	B
413	160+0.580	160+0.720	Right	226,810	392,761	226,703	392,975	05-Aug-2003	B	B
414	162+0.100	162+0.750	Left	225,086	394,230	224,550	394,980	04-Aug-2003	B	B
415	170+0.460	170+0.890	Right	233,154	401,832	233,601	402,387	05-Aug-2003	B	B
416	170+0.720	170+0.910	Left	233,098	401,775	233,505	402,174	04-Aug-2003	A	B
417	204+0.790	204+0.900	Left	282,816	406,789	282,995	406,752	31-Jul-2003	C	B
418	205+0.000	205+0.330	Left	283,149	406,721	283,662	406,616	31-Jul-2003	B	B
419	206+0.740	206+0.780	Right	285,713	407,285	285,751	407,328	31-Jul-2003	C	B
420	217+0.670	218+0.370	Right	298,104	400,299	298,982	400,913	19-Aug-2003	A	A
421	218+0.450	218+0.530	Left	299,248	400,837	299,140	400,910	19-Aug-2003	A	A
422	218+0.480	218+0.540	Right	299,158	400,909	299,244	400,860	19-Aug-2003	A	B
423	218+0.620	218+0.770	Right	299,324	400,766	299,502	400,617	19-Aug-2003	A	A
424	218+0.640	218+0.670	Left	299,361	400,699	299,399	400,659	19-Aug-2003	A	B
425	218+0.790	218+0.880	Right	299,535	400,610	299,502	400,617	19-Aug-2003	A	B
426	219+0.540	219+0.820	Left	300,654	400,405	301,037	400,335	19-Aug-2003	A	A
427	219+0.570	219+0.730	Right	300,727	400,450	300,968	400,429	19-Aug-2003	A	B
428	220+0.010	220+0.220	Left	301,280	400,167	301,619	400,107	19-Aug-2003	A	A
429	220+0.080	220+0.180	Right	301,408	400,165	301,532	400,138	19-Aug-2003	A	B
430	220+0.540	220+0.560	Left	302,112	400,172	302,143	400,172	19-Aug-2003	A	B
431	220+0.550	220+0.560	Right	302,117	400,185	302,143	400,197	19-Aug-2003	A	B
432	220+0.630	220+0.720	Right	302,240	400,250	302,369	400,321	19-Aug-2003	A	B
433	220+0.650	220+0.750	Left	302,268	400,241	302,408	400,320	19-Aug-2003	A	B
434	220+0.900	220+0.920	Left	302,625	400,463	302,608	400,445	19-Aug-2003	C	B
435	221+0.490	221+0.520	Left	303,166	401,161	303,180	401,205	19-Aug-2003	B	B
436	221+0.560	221+0.630	Left	303,191	401,253	303,291	401,318	19-Aug-2003	B	B
437	221+0.630	221+0.740	Left	303,451	401,407	303,291	401,318	19-Aug-2003	B	B
438	222+0.320	222+0.400	Left	304,072	402,254	304,008	402,144	19-Aug-2003	B	B
439	222+0.800	223+0.080	Left	304,580	402,648	305,015	402,725	19-Aug-2003	A	A
440	223+0.130	223+0.230	Left	305,073	402,783	305,177	402,894	19-Aug-2003	A	B
441	223+0.290	223+0.360	Left	305,240	402,959	305,324	403,041	19-Aug-2003	B	B
442	223+0.360	223+0.440	Left	305,415	403,139	305,324	403,041	19-Aug-2003	B	B
443	223+0.740	223+0.860	Left	305,741	403,483	305,909	403,601	19-Aug-2003	A	A
444	223+0.750	223+0.820	Right	305,746	403,513	305,839	403,590	19-Aug-2003	A	B
445	224+0.780	224+0.930	Left	307,177	404,136	307,457	404,196	19-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
446	225+0.340	225+0.490	Left	308,032	404,062	308,261	404,126	19-Aug-2003	A	B
447	225+0.640	225+0.800	Left	308,537	404,112	308,729	403,990	19-Aug-2003	A	A
448	226+0.980	227+0.230	Left	309,331	404,985	309,349	405,346	19-Aug-2003	A	A
449	230+0.490	230+0.630	Left	312,780	409,182	312,782	409,182	19-Aug-2003	B	B
450	230+0.820	231+0.030	Left	312,872	409,756	312,784	409,493	19-Aug-2003	B	B
451	230+0.850	231+0.040	Right	312,768	409,542	312,898	409,823	19-Aug-2003	B	B
452	231+0.060	231+0.120	Left	312,996	409,879	312,929	409,826	19-Aug-2003	B	B
453	231+0.490	231+0.520	Left	313,613	410,054	313,566	410,026	19-Aug-2003	C	B
454	232+0.700	232+0.810	Left	314,995	411,527	314,874	411,397	19-Aug-2003	C	B
455	232+0.710	232+0.820	Right	314,864	411,426	314,976	411,549	19-Aug-2003	C	B
456	234+0.760	234+0.840	Left	317,616	413,202	317,746	413,236	19-Aug-2003	B	B
457	235+0.160	235+0.230	Right	318,242	413,307	318,357	413,317	16-Sep-2003	C	B
458	235+0.210	235+0.300	Left	318,278	413,290	318,443	413,306	19-Aug-2003	B	B
460	235+0.600	235+0.760	Left	318,791	413,608	318,953	413,792	19-Aug-2003	B	B
459	235+0.600	235+0.680	Right	318,795	413,651	318,866	413,747	19-Aug-2003	B	B
461	237+0.450	237+0.540	Right	321,494	414,676	321,610	414,757	19-Aug-2003	B	B
462	238+0.170	238+0.300	Right	321,817	415,749	321,844	415,799	19-Aug-2003	B	B
463	238+0.300	238+0.360	Right	321,844	415,949	321,870	416,048	19-Aug-2003	B	B
464	238+0.360	238+0.430	Right	321,870	416,048	321,932	416,144	19-Aug-2003	B	B
465	238+0.480	238+0.570	Right	322,000	416,199	322,108	416,286	19-Aug-2003	B	B
466	238+0.570	238+0.760	Right	322,108	416,286	322,287	416,533	19-Aug-2003		B
467	238+0.960	239+0.030	Right	322,421	416,819	322,495	416,964	19-Aug-2003	C	B
468	239+0.380	239+0.450	Left	322,775	417,466	322,827	417,569	19-Aug-2003	B	B
469	239+0.430	239+0.490	Right	322,783	417,535	322,827	417,631	19-Aug-2003	B	B
470	241+0.870	242+0.060	Right	323,706	421,116	323,685	421,411	19-Aug-2003	A	B
471	242+0.400	242+0.570	Right	323,638	421,937	323,815	422,130	19-Aug-2003	A	B
472	242+0.600	242+0.740	Right	323,857	422,149	324,083	422,171	19-Aug-2003	A	B
473	242+0.810	243+0.020	Right	324,180	422,137	324,417	422,018	19-Aug-2003	B	B
474	244+0.600	244+0.740	Right	325,362	422,087	325,418	422,152	19-Aug-2003	A	A
475	244+0.760	244+0.930	Right	325,460	423,655	325,611	423,874	19-Aug-2003	A	A
476	244+0.780	244+0.800	Left	325,499	423,669	325,514	423,693	19-Aug-2003	A	B
477	244+0.830	244+0.920	Left	325,541	423,744	325,626	423,863	19-Aug-2003	A	B
478	244+0.950	244+0.970	Right	325,630	423,904	325,656	423,941	19-Aug-2003	A	B
479	244+0.990	245+0.040	Right	325,672	423,965	325,719	424,035	19-Aug-2003	A	A
480	245+0.060	245+0.140	Right	325,738	424,061	325,813	424,156	19-Aug-2003	A	B
481	245+0.100	245+0.140	Left	325,786	424,095	325,825	424,141	19-Aug-2003	A	B
482	245+0.260	245+0.300	Right	325,942	424,286	325,997	424,330	19-Aug-2003	A	B
483	245+0.380	245+0.660	Right	326,098	424,397	326,519	424,545	19-Aug-2003	A	A
484	245+0.460	245+0.570	Left	326,260	424,447	326,427	424,499	19-Aug-2003	A	B
485	245+0.570	245+0.730	Left	326,647	424,555	326,396	424,550	19-Aug-2003	A	B
486	245+0.890	246+0.080	Left	326,898	424,609	327,196	424,671	19-Aug-2003	A	B
487	248+0.530	248+0.640	Left	329,900	426,325	329,996	426,458	19-Aug-2003	A	B
488	250+0.790	250+0.920	Left	333,017	427,967	333,219	428,193	19-Aug-2003	A	A
489	250+0.800	250+0.860	Right	333,012	428,007	333,070	428,067	19-Aug-2003	B	B
490	251+0.100	251+0.190	Left	333,323	428,348	333,399	428,492	19-Aug-2003	A	B
Corridor:	C000016	N								
491	046+0.290	046+0.340	Right	240,831	672,583	240,888	672,530	31-Jul-2003	B	B
492	046+0.840	046+0.940	Right	241,492	672,015	241,626	671,913	31-Jul-2003		B
Corridor:	C000019	N								
493	021+0.090	021+0.280	Right	219,576	314,477	219,622	314,177	12-Aug-2003	C	B
494	021+0.570	021+0.680	Right	219,747	313,747	219,796	313,580	12-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
495	022+0.020	022+0.130	Right	219,960	313,017	220,008	312,853	12-Aug-2003	C	B
496	022+0.250	022+0.380	Right	220,077	312,675	220,168	312,483	12-Aug-2003	C	B
497	022+0.450	022+0.590	Right	220,217	312,382	220,307	312,190	12-Aug-2003	B	B
498	022+0.940	023+0.060	Right	220,334	311,655	220,257	311,492	12-Aug-2003	A	B
499	024+0.090	024+0.140	Right	220,948	310,017	221,010	309,967	12-Aug-2003	C	B
500	027+0.460	027+0.550	Right	225,564	308,455	225,707	308,410	30-Jul-2003	A	A
501	027+0.670	027+0.690	Right	225,757	308,384	225,771	308,361	30-Jul-2003	A	B
502	027+0.720	027+0.740	Right	225,771	308,303	225,773	308,265	30-Jul-2003	A	A
503	027+0.830	027+0.880	Right	225,784	308,131	225,811	308,050	30-Jul-2003	A	B
504	027+0.930	027+0.990	Right	225,865	307,998	225,973	307,994	30-Jul-2003	A	A
505	027+0.990	028+0.040	Left	225,986	308,007	226,036	308,009	30-Jul-2003	A	A
506	027+0.990	028+0.440	Right	226,056	308,021	226,735	307,948	30-Jul-2003	A	A
507	028+0.410	028+0.450	Left	226,700	307,941	226,749	307,960	30-Jul-2003	B	B
508	028+0.640	028+0.720	Right	226,991	307,991	227,046	307,912	30-Jul-2003	C	B
509	028+0.740	029+0.110	Right	227,116	307,809	227,501	307,968	30-Jul-2003	A	A
510	029+0.200	029+0.220	Right	227,501	307,968	227,637	308,025	30-Jul-2003	A	B
511	029+0.250	029+0.320	Right	227,637	308,025	227,606	307,979	30-Jul-2003	A	B
512	029+0.330	029+0.420	Right	227,606	307,979	227,509	307,710	30-Jul-2003	C	B
513	029+0.440	029+0.480	Right	227,506	307,697	227,494	307,626	30-Jul-2003	A	B
514	029+0.510	029+0.560	Right	227,474	307,602	227,491	307,509	30-Jul-2003	A	A
515	029+0.520	029+0.540	Left	227,464	307,581	227,469	307,559	30-Jul-2003	A	B
516	029+0.580	029+0.910	Right	227,494	307,485	227,763	307,034	30-Jul-2003	A	A
517	029+0.920	029+0.970	Right	227,762	307,027	227,814	306,971	30-Jul-2003	A	A
518	030+0.120	030+0.210	Right	227,970	306,801	228,041	306,670	30-Jul-2003	B	B
519	030+0.470	030+0.510	Right	228,284	306,309	228,350	306,265	30-Jul-2003	B	B
520	043+0.090	043+0.340	Right	246,111	308,180	246,425	308,426	12-Aug-2003	B	B
521	044+0.350	044+0.400	Right	247,825	309,222	247,887	309,279	12-Aug-2003		B
522	044+0.770	044+0.820	Right	248,298	309,704	248,356	309,762	12-Aug-2003	B	B
523	047+0.090	047+0.230	Right	251,015	312,039	251,151	312,199	12-Aug-2003	B	B
524	047+0.630	047+0.690	Right	251,514	312,735	251,587	312,817	12-Aug-2003	B	B
525	047+0.820	047+0.990	Right	251,725	312,955	251,973	313,145	12-Aug-2003	B	B
526	048+0.110	048+0.260	Right	252,131	313,262	252,348	313,368	12-Aug-2003	B	B
527	052+0.340	052+0.400	Right	258,531	314,232	258,626	314,244	12-Aug-2003	B	B
Corridor:	C000024 E									
528	000+0.970	001+0.090	Right	300,930	268,025	300,952	268,216	31-Jul-2003		B
529	001+0.120	001+0.240	Right	300,942	268,272	300,989	268,449	31-Jul-2003	C	B
530	001+0.670	001+0.820	Right	301,602	268,772	301,706	268,976	31-Jul-2003	B	B
531	002+0.030	002+0.100	Right	301,920	269,226	301,961	269,331	31-Jul-2003	C	B
532	003+0.030	003+0.120	Right	302,319	270,743	302,292	270,870	31-Jul-2003	A	A
533	008+0.580	008+0.660	Left	303,980	278,768	304,094	278,808	31-Jul-2003	C	B
534	008+0.600	008+0.660	Right	304,005	278,794	304,090	278,767	31-Jul-2003	C	B
535	011+0.270	011+0.290	Right	304,154	282,292	304,166	282,312	31-Jul-2003	C	B
536	011+0.880	011+0.940	Left	304,346	283,198	304,316	283,287	31-Jul-2003	C	B
537	022+0.930	023+0.040	Right	301,707	298,861	301,872	298,943	31-Jul-2003		B
538	034+0.150	034+0.430	Left	314,061	309,383	314,350	309,703	30-Jul-2003	A	B
539	034+0.430	034+0.470	Left	314,350	309,704	314,404	309,743	30-Jul-2003	B	B
540	034+0.650	034+0.730	Left	314,668	309,858	314,793	309,902	30-Jul-2003	A	B
541	034+0.730	034+0.810	Left	314,797	309,903	314,906	309,954	30-Jul-2003	A	B
542	034+0.950	035+0.260	Left	315,091	310,099	315,346	310,514	30-Jul-2003	A	A
543	055+0.290	056+0.100	Left	305,294	337,316	304,589	338,591	03-Aug-2003	A	B
544	056+0.100	056+0.570	Left	304,589	338,591	304,845	339,037	03-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
545	060+0.630	060+0.780	Left	302,610	343,836	302,628	344,060	03-Aug-2003	A	B
546	060+0.950	061+0.000	Left	302,785	344,168	302,822	344,172	03-Aug-2003	A	B
547	061+0.490	061+0.560	Left	303,253	344,670	303,312	344,808	03-Aug-2003	B	B
548	062+0.850	062+0.950	Left	304,544	346,329	304,594	346,473	03-Aug-2003	B	B
549	063+0.740	064+0.080	Left	304,850	347,788	304,992	348,067	03-Aug-2003	B	B
550	064+0.110	064+0.190	Left	305,100	348,198	305,158	348,319	03-Aug-2003	B	B
551	066+0.830	067+0.000	Left	303,987	351,384	303,887	351,624	03-Aug-2003	B	B
552	067+0.280	067+0.710	Left	303,685	352,111	304,045	352,444	03-Aug-2003	B	B
553	083+0.640	083+0.680	Right	312,930	375,339	312,969	375,392	13-Aug-2003	C	B
554	084+0.090	084+0.140	Left	313,265	375,922	313,313	375,994	13-Aug-2003	C	B
555	085+0.020	085+0.360	Left	314,344	376,875	314,718	377,313	13-Aug-2003	C	B
556	086+0.990	087+0.000	Left	314,420	379,740	314,398	379,900	13-Aug-2003		B
557	087+0.160	087+0.200	Left	314,412	380,145	314,427	380,209	13-Aug-2003		B
558	087+0.500	087+0.610	Left	314,550	380,681	314,630	380,831	13-Aug-2003	B	B
559	089+0.890	089+0.920	Left	318,086	382,174	318,137	382,184	13-Aug-2003	A	B
560	089+0.920	089+0.960	Right	318,137	382,184	318,210	382,197	13-Aug-2003	A	B
561	089+0.960	090+0.070	Left	318,210	382,197	318,346	382,193	13-Aug-2003	A	B
562	090+0.080	090+0.260	Left	318,370	382,188	318,630	382,062	13-Aug-2003	A	B
563	090+0.310	090+0.410	Left	318,716	382,034	318,896	382,041	13-Aug-2003	A	B
564	090+0.480	090+0.660	Left	318,982	382,055	319,252	382,034	13-Aug-2003	A	B
565	090+0.710	091+0.040	Left	319,290	382,110	319,345	382,401	13-Aug-2003	A	B
566	091+0.060	091+0.280	Left	319,364	382,426	319,593	382,708	13-Aug-2003	A	B
567	091+0.320	091+0.470	Left	319,662	382,739	319,878	382,711	13-Aug-2003	A	B
568	091+0.600	091+0.630	Left	320,050	382,781	320,073	382,820	13-Aug-2003	A	B
569	091+0.660	092+0.020	Left	320,098	382,877	320,452	383,325	13-Aug-2003	A	B
570	092+0.110	092+0.200	Left	320,635	383,461	320,749	383,505	13-Aug-2003	A	A
571	092+0.330	092+0.380	Left	320,985	383,462	321,022	383,428	13-Aug-2003	B	B
572	093+0.060	093+0.140	Left	322,033	383,086	322,163	383,125	13-Aug-2003	B	B
573	093+0.720	093+0.870	Left	322,944	383,651	323,118	383,786	13-Aug-2003	B	B
574	093+0.900	093+0.940	Left	323,166	383,837	323,205	383,876	13-Aug-2003	B	B
575	094+0.070	094+0.170	Left	323,343	384,027	323,447	384,146	13-Aug-2003	B	B
576	094+0.260	094+0.310	Left	323,508	384,270	323,538	384,366	13-Aug-2003	C	B
577	096+0.220	096+0.340	Left	326,018	386,076	326,181	386,179	13-Aug-2003	C	B
578	096+0.980	097+0.040	Left	327,123	386,566	327,218	386,612	13-Aug-2003	C	B
Corridor:	C000028	N								
579	046+0.980	046+1.040	Right	86,445	607,308	86,527	607,289	04-Aug-2003	A	B
580	046+1.040	046+1.060	Right	86,527	607,289	86,565	607,278	04-Aug-2003	B	B
581	046+1.060	046+1.100	Right	86,567	607,277	86,619	607,249	04-Aug-2003	A	B
582	046+1.120	046+1.160	Right	86,652	607,221	86,690	607,167	04-Aug-2003	A	A
583	046+1.160	047+0.080	Right	87,754	607,381	86,796	606,968	04-Aug-2003	B	B
584	047+0.080	047+0.180	Right	86,796	606,968	86,950	606,939	04-Aug-2003	A	A
585	047+0.200	047+0.360	Right	86,973	606,932	87,217	606,907	04-Aug-2003	A	A
586	047+0.370	047+0.420	Right	87,232	606,910	87,313	606,931	04-Aug-2003	A	B
587	047+0.470	047+0.550	Right	87,390	606,957	87,480	607,031	04-Aug-2003	B	B
588	047+0.630	047+0.920	Right	87,460	607,148	87,768	607,370	04-Aug-2003	A	A
589	047+0.920	048+0.290	Right	87,768	607,370	87,331	607,772	04-Aug-2003	A	A
590	048+0.470	048+0.530	Left	87,519	607,649	87,595	607,677	04-Aug-2003	B	B
591	048+0.530	048+0.580	Left	87,597	607,677	87,665	607,633	04-Aug-2003	A	A
592	048+0.600	048+0.680	Left	87,682	607,613	87,768	607,530	04-Aug-2003	B	A
593	048+0.700	048+0.720	Left	87,781	607,492	87,810	607,462	04-Aug-2003	B	B
594	048+0.740	048+0.780	Left	87,840	607,455	87,887	607,429	04-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
595	049+0.020	049+0.190	Left	87,981	607,378	87,928	607,260	04-Aug-2003	A	A
596	049+0.190	049+0.280	Left	88,064	607,281	87,927	607,260	04-Aug-2003	A	B
597	049+0.330	049+0.430	Left	87,860	607,215	87,768	607,090	04-Aug-2003	A	A
598	049+0.460	049+0.630	Left	87,770	607,014	87,625	606,853	04-Aug-2003	A	A
599	049+0.630	049+0.720	Left	87,625	606,853	87,542	606,772	04-Aug-2003	A	A
600	049+0.720	050+0.370	Left	87,542	606,772	86,529	606,697	04-Aug-2003	A	A
601	050+0.390	050+0.500	Left	86,524	606,690	86,477	606,534	04-Aug-2003	A	A
602	050+0.500	050+0.790	Left	86,477	606,535	86,474	606,149	04-Aug-2003	A	A
603	050+0.790	050+1.020	Left	86,474	606,149	86,197	605,919	04-Aug-2003	A	A
604	050+1.020	050+1.080	Left	86,197	605,919	86,133	605,840	04-Aug-2003	A	A
605	050+1.080	050+1.250	Left	86,133	605,840	85,960	605,643	04-Aug-2003	A	A
606	050+1.250	050+1.270	Left	86,514	606,179	85,954	605,598	04-Aug-2003	A	B
607	050+1.360	050+1.500	Right	86,041	605,672	86,198	605,836	04-Aug-2003	A	B
608	050+1.500	050+1.540	Right	86,198	605,836	86,245	605,877	04-Aug-2003	A	A
609	050+1.540	050+1.600	Right	86,245	605,876	86,311	605,933	04-Aug-2003	B	B
610	050+1.600	050+1.630	Right	86,311	605,934	86,350	605,964	04-Aug-2003	A	B
611	050+1.630	050+1.770	Right	86,349	605,965	86,539	606,079	04-Aug-2003	A	A
612	050+1.770	050+1.900	Right	86,539	606,079	86,724	606,190	04-Aug-2003	A	A
613	050+1.900	050+1.940	Right	86,724	606,190	86,721	606,235	04-Aug-2003	A	B
614	050+1.940	050+1.960	Right	86,721	606,235	86,700	606,279	04-Aug-2003	A	A
615	050+1.960	052+0.000	Right	86,700	606,279	86,666	606,371	04-Aug-2003	A	A
616	052+0.000	052+0.030	Right	86,676	606,423	86,716	606,421	04-Aug-2003	B	A
617	052+0.030	052+0.220	Right	86,716	606,425	86,986	606,363	05-Aug-2003	A	A
618	052+0.220	052+0.360	Right	86,986	606,363	87,181	606,325	05-Aug-2003	A	A
619	052+0.360	052+0.460	Right	87,181	606,325	87,348	606,356	05-Aug-2003	A	A
620	052+0.460	052+0.540	Right	87,350	606,357	87,474	606,357	05-Aug-2003	A	B
621	052+0.540	052+0.690	Right	87,474	606,357	87,705	606,422	05-Aug-2003	A	A
622	052+0.690	052+0.890	Right	87,704	606,422	87,945	606,580	05-Aug-2003	A	A
623	052+0.890	052+0.960	Right	87,945	606,580	88,046	606,611	05-Aug-2003	A	A
624	052+0.980	053+0.070	Right	88,071	606,615	88,208	606,670	05-Aug-2003	B	B
625	053+0.130	052+0.270	Left	88,170	606,612	87,974	606,546	05-Aug-2003	B	B
626	053+0.280	053+0.450	Left	87,964	606,532	87,809	606,341	05-Aug-2003	A	A
627	053+0.450	053+0.500	Left	87,809	606,341	87,732	606,326	05-Aug-2003	A	A
628	053+0.500	053+0.560	Left	87,732	606,326	87,653	606,287	05-Aug-2003	A	B
629	053+0.560	053+0.630	Left	87,653	606,287	87,547	606,244	05-Aug-2003	A	B
630	053+0.630	053+0.730	Left	87,547	606,244	87,394	606,180	05-Aug-2003	A	A
631	053+0.770	053+0.980	Left	87,344	606,157	87,057	606,046	05-Aug-2003	A	A
632	054+0.010	054+0.170	Left	87,016	606,040	86,917	605,841	05-Aug-2003	A	A
633	054+0.220	054+0.350	Left	86,861	605,784	86,711	605,652	05-Aug-2003	A	B
634	054+0.550	054+0.620	Right	86,952	605,790	87,046	605,850	05-Aug-2003	A	A
635	054+0.670	054+0.860	Right	87,114	605,897	87,404	606,009	05-Aug-2003	B	B
636	054+0.890	055+0.010	Right	87,450	606,027	87,675	606,098	05-Aug-2003	A	A
637	055+0.040	055+0.160	Right	87,711	606,106	87,891	606,166	05-Aug-2003	B	B
638	055+0.160	055+0.320	Right	87,890	606,166	88,135	606,240	05-Aug-2003	A	B
639	055+0.330	055+0.430	Right	88,157	606,252	88,293	606,322	05-Aug-2003	B	B
640	055+0.470	055+0.520	Right	88,363	606,336	88,439	606,327	05-Aug-2003	B	B
641	055+0.650	055+0.710	Right	88,625	606,380	88,646	606,471	05-Aug-2003	B	B
642	055+0.750	055+0.870	Right	88,675	606,535	88,860	606,606	05-Aug-2003	A	A
643	055+0.880	055+0.980	Right	88,860	606,606	89,010	606,691	05-Aug-2003	B	A
644	055+0.990	055+1.040	Right	89,019	606,700	89,079	606,749	05-Aug-2003	B	B
645	055+1.040	056+0.070	Right	89,080	606,749	89,203	606,860	05-Aug-2003	A	A

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
646	056+0.070	056+0.160	Right	89,203	606,860	89,299	606,967	05-Aug-2003	A	A
647	056+0.160	056+0.260	Right	89,300	606,966	89,396	607,097	05-Aug-2003	B	B
648	056+0.410	056+0.680	Right	89,529	607,296	89,823	607,601	05-Aug-2003	B	B
649	056+0.680	056+0.760	Right	89,828	607,604	89,916	607,702	05-Aug-2003	B	B
650	056+0.790	057+0.010	Right	89,947	607,737	90,151	607,993	05-Aug-2003	A	B
651	057+0.010	057+0.030	Right	90,151	607,993	90,178	608,023	05-Aug-2003	B	B
652	057+0.100	057+0.150	Right	90,269	608,076	90,346	608,088	05-Aug-2003	B	B
653	059+0.330	059+0.370	Right	92,844	610,156	92,880	610,198	05-Aug-2003	B	B
654	059+1.030	059+1.060	Right	93,111	611,220	93,111	611,274	05-Aug-2003	B	B
655	061+0.470	061+0.660	Right	93,161	613,620	93,338	613,878	05-Aug-2003	B	B
656	061+0.900	061+0.950	Right	93,607	614,156	93,664	614,201	05-Aug-2003	B	B
657	064+0.180	064+0.240	Left	96,704	615,850	96,757	615,898	05-Aug-2003	C	B
658	065+0.220	064+0.300	Left	98,065	616,801	98,167	616,880	05-Aug-2003	C	B
659	065+0.450	065+0.590	Left	98,390	616,946	98,588	617,059	05-Aug-2003	C	B
Corridor:	C000029	N								
660	006+0.760	007+0.010	Right	121,737	416,985	121,679	416,616	09-Aug-2003	B	B
661	007+0.420	007+0.550	Right	121,603	416,164	121,445	416,062	09-Aug-2003		B
662	012+0.020	012+0.200	Right	117,657	410,618	117,785	410,393	09-Aug-2003	B	B
663	012+0.860	013+0.070	Right	118,615	409,835	118,947	409,879	09-Aug-2003	B	B
664	012+0.940	013+0.050	Left	118,748	409,847	118,921	409,874	09-Aug-2003	B	B
665	017+0.920	017+0.970	Right	122,624	403,851	122,647	403,775	09-Aug-2003	C	B
666	018+0.410	018+0.550	Right	122,826	403,070	122,838	402,856	09-Aug-2003	C	B
667	018+0.670	018+0.740	Right	122,812	402,672	122,789	402,560	09-Aug-2003	B	B
668	019+0.110	019+0.280	Right	122,555	402,074	122,503	401,838	09-Aug-2003	C	B
669	019+0.490	019+0.570	Right	122,427	401,491	122,400	401,377	09-Aug-2003	C	B
670	019+0.600	019+0.720	Right	122,378	401,331	122,257	401,188	09-Aug-2003	C	B
671	019+0.860	019+0.930	Right	122,145	400,986	122,127	400,884	09-Aug-2003	C	B
672	020+0.040	020+0.110	Right	122,065	400,606	122,059	400,510	09-Aug-2003	C	B
673	065+0.020	065+0.100	Left	180,494	385,816	180,616	385,761	12-Aug-2003	B	B
674	068+0.490	068+0.610	Left	180,249	381,460	180,186	381,274	12-Aug-2003	A	A
675	068+0.490	068+0.630	Right	180,249	381,460	180,178	381,239	12-Aug-2003	A	A
676	068+0.660	068+0.680	Right	180,182	381,211	180,165	381,167	12-Aug-2003	B	B
677	068+0.760	068+0.830	Right	180,153	381,064	180,106	380,933	12-Aug-2003	B	B
678	068+0.970	069+0.130	Right	180,074	380,700	180,153	380,480	12-Aug-2003	B	A
679	069+0.180	069+0.220	Right	180,196	380,407	180,214	380,348	12-Aug-2003	B	B
680	069+0.250	069+0.390	Right	180,232	380,295	180,221	380,074	12-Aug-2003	B	B
681	069+0.500	069+0.560	Right	180,198	379,899	180,175	379,823	12-Aug-2003	B	B
682	069+0.580	069+0.630	Right	180,166	379,771	180,149	379,707	12-Aug-2003	B	B
683	069+0.670	069+0.730	Right	180,153	379,644	180,158	379,539	12-Aug-2003	B	B
684	069+0.890	069+0.960	Right	180,181	379,284	180,189	379,170	12-Aug-2003	B	B
685	070+0.380	070+0.510	Right	180,109	378,618	180,058	378,416	12-Aug-2003	A	B
686	070+0.420	070+0.490	Left	180,075	378,555	180,058	378,441	12-Aug-2003	B	B
687	070+0.780	070+0.860	Right	180,047	377,960	180,013	377,865	12-Aug-2003	B	B
688	070+0.940	070+0.960	Right	179,961	377,748	179,945	377,712	12-Aug-2003	B	B
689	071+0.610	071+0.700	Right	179,846	376,669	179,833	376,520	12-Aug-2003	B	B
690	071+0.740	071+0.830	Right	179,797	376,465	179,726	376,348	12-Aug-2003	A	A
691	071+0.900	072+0.030	Right	179,656	376,247	179,609	376,062	12-Aug-2003	A	A
692	072+0.080	072+0.140	Left	179,673	375,993	179,705	375,905	12-Aug-2003		B
693	072+0.430	072+0.550	Right	179,832	375,428	179,912	375,250	12-Aug-2003	B	B
694	072+0.620	072+0.640	Right	179,932	375,143	179,934	375,109	12-Aug-2003		B
695	073+0.030	073+0.080	Right	180,110	374,543	180,150	374,486	12-Aug-2003		B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
696	073+0.700	073+0.760	Right	180,658	373,631	180,726	373,575	12-Aug-2003		B
697	074+0.330	074+0.410	Right	181,327	372,884	181,435	372,814	12-Aug-2003	B	B
698	074+0.720	074+0.780	Right	181,920	372,727	182,003	372,732	12-Aug-2003	B	B
699	075+0.250	075+0.300	Right	182,587	372,332	182,625	372,271	12-Aug-2003	B	B
700	075+0.540	075+0.610	Right	182,751	371,905	182,852	371,877	12-Aug-2003	B	B
701	075+0.650	075+0.750	Right	182,923	371,866	183,054	371,803	12-Aug-2003		B
702	075+0.780	075+0.830	Right	183,095	371,798	183,165	371,769	12-Aug-2003	B	B
703	075+0.870	075+0.990	Right	183,224	371,731	183,318	371,573	12-Aug-2003	B	B
704	076+0.010	076+0.070	Right	183,335	371,547	183,432	371,391	12-Aug-2003	B	B
705	076+0.070	076+0.140	Right	183,436	371,391	183,545	371,326	12-Aug-2003	B	A
706	076+0.160	076+0.480	Right	183,565	371,306	183,876	371,224	12-Aug-2003	A	A
707	076+0.510	076+0.580	Right	183,860	371,259	183,810	371,358	12-Aug-2003	B	B
708	076+0.590	076+0.630	Right	183,801	371,384	183,811	371,446	12-Aug-2003	B	B
709	076+0.650	076+0.690	Right	183,878	371,440	183,907	371,393	12-Aug-2003	B	B
710	076+0.750	076+0.780	Right	183,970	371,315	183,997	371,276	12-Aug-2003	B	B
711	076+0.850	077+0.030	Right	184,026	371,179	184,033	370,954	12-Aug-2003	A	A
712	077+0.100	077+0.160	Right	184,136	370,938	184,222	370,968	12-Aug-2003	A	B
713	077+0.260	077+0.350	Right	184,296	371,029	184,372	371,219	12-Aug-2003	B	B
714	077+0.380	077+0.450	Right	184,416	371,198	184,371	371,098	12-Aug-2003	C	B
715	077+0.500	077+0.630	Right	184,346	371,020	184,414	370,841	12-Aug-2003	C	B
716	077+0.700	077+0.760	Right	184,506	370,776	184,577	370,725	12-Aug-2003	C	B
717	077+0.790	077+0.810	Right	184,627	370,703	184,642	370,679	12-Aug-2003	C	B
718	078+0.720	078+0.760	Right	185,997	370,236	186,065	370,206	12-Aug-2003	C	B
719	078+0.860	078+0.900	Right	186,204	370,137	186,266	370,116	12-Aug-2003	C	B
720	079+0.100	079+0.130	Right	186,579	370,045	186,644	370,023	12-Aug-2003	C	B
721	080+0.000	080+0.040	Right	188,006	369,938	188,067	369,917	12-Aug-2003	A	B
Corridor:	C000033	N								
722	002+0.940	003+0.020	Left	479,684	155,930	479,706	156,032	13-Aug-2003	B	B
723	003+0.090	003+0.130	Left	479,724	156,147	479,733	156,201	13-Aug-2003	B	B
724	004+0.190	004+0.630	Left	480,078	157,862	480,072	158,563	13-Aug-2003	B	B
725	004+0.710	004+0.790	Left	480,029	158,678	479,987	158,784	13-Aug-2003	B	B
726	004+0.990	005+0.320	Left	479,892	159,086	479,495	159,456	13-Aug-2003	A	B
727	008+0.150	008+0.420	Left	475,247	160,598	475,001	159,859	13-Aug-2003	B	B
728	008+0.870	009+0.330	Left	474,661	161,547	474,416	162,232	13-Aug-2003	B	B
729	011+0.220	011+0.330	Left	473,401	164,990	473,465	165,162	13-Aug-2003	B	B
730	014+0.250	014+0.480	Right	473,651	169,480	473,992	169,609	13-Aug-2003	C	B
731	014+0.510	014+0.620	Right	474,051	169,628	474,221	169,684	13-Aug-2003	C	B
732	015+0.610	015+0.670	Right	475,639	170,007	475,704	170,078	13-Aug-2003	B	B
733	016+0.930	016+0.970	Right	477,772	170,384	477,838	170,383	13-Aug-2003	C	B
734	017+0.010	017+0.140	Right	477,892	170,387	478,086	170,443	13-Aug-2003	C	A
735	017+0.170	017+0.260	Right	478,136	170,463	478,178	170,490	13-Aug-2003	C	B
736	017+0.520	017+0.540	Right	478,576	170,820	478,600	170,839	13-Aug-2003	A	B
737	017+0.610	018+0.010	Right	478,683	170,924	479,132	171,354	13-Aug-2003	A	A
738	018+0.340	018+0.490	Right	479,613	171,585	479,758	171,769	13-Aug-2003	C	B
739	018+0.770	018+0.860	Right	480,019	172,145	480,044	172,284	13-Aug-2003	C	B
740	019+0.180	019+0.330	Right	480,437	172,447	480,643	172,328	13-Aug-2003	B	B
741	019+0.530	019+0.670	Right	480,910	172,146	481,078	172,009	13-Aug-2003	B	B
742	019+0.990	020+0.280	Right	481,571	171,817	482,002	171,688	13-Aug-2003	B	B
743	020+0.350	020+0.380	Right	482,097	171,701	482,164	171,716	13-Aug-2003	B	B
744	020+0.500	020+0.730	Right	482,328	171,799	482,635	172,003	13-Aug-2003	B	B
745	020+0.850	020+0.900	Right	482,777	172,128	482,831	172,179	14-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
745	020+0.850	020+0.900	Right	482,777	172,128	482,831	172,179	13-Aug-2003	C	B
746	021+0.290	021+0.390	Right	483,294	172,602	483,403	172,715	13-Aug-2003	B	B
747	024+0.480	024+0.930	Right	486,969	174,516	487,260	174,566	13-Aug-2003	B	B
748	025+0.910	026+0.430	Right	488,738	174,739	489,349	175,032	13-Aug-2003	B	A
749	025+0.920	026+0.030	Left	488,762	174,705	488,851	174,674	13-Aug-2003	B	B
750	027+0.160	027+0.330	Right	490,222	175,789	490,479	175,892	13-Aug-2003	B	B
751	027+0.480	028+0.120	Right	490,700	175,938	491,232	176,728	13-Aug-2003	B	B
752	028+0.370	028+0.430	Right	491,296	177,118	491,322	177,205	13-Aug-2003	B	B
753	030+0.260	030+0.500	Right	492,707	178,840	493,025	178,955	13-Aug-2003	B	A
754	030+0.500	030+0.560	Right	493,020	178,955	493,059	179,020	13-Aug-2003	A	A
755	030+0.560	030+0.850	Right	493,058	179,021	493,447	179,275	13-Aug-2003	B	B
756	030+0.970	031+0.190	Right	493,598	179,392	493,910	179,553	13-Aug-2003	B	B
757	031+0.590	031+0.810	Right	494,547	179,611	494,879	179,551	13-Aug-2003	B	A
758	031+0.970	032+0.010	Right	494,743	179,564	495,210	179,544	13-Aug-2003	B	B
759	032+0.320	032+0.640	Right	495,698	179,518	496,211	179,428	13-Aug-2003	B	B
760	032+0.740	033+0.000	Right	496,370	179,451	496,770	179,407	13-Aug-2003	B	B
761	033+0.090	033+0.210	Right	496,919	179,394	497,124	179,392	13-Aug-2003	B	B
762	033+0.390	033+0.530	Right	497,399	179,316	497,557	179,160	13-Aug-2003	B	B
763	033+0.630	033+0.760	Right	497,688	179,092	497,885	179,158	13-Aug-2003	B	B
764	033+0.840	033+0.920	Right	497,956	179,273	498,013	179,391	13-Aug-2003	B	B
765	035+0.130	035+0.280	Right	498,834	178,080	498,955	177,875	13-Aug-2003	B	B
766	035+0.580	035+0.890	Right	499,193	177,457	499,493	177,073	13-Aug-2003	B	B
767	035+0.970	036+0.390	Right	499,609	176,999	500,167	176,643	12-Aug-2003	B	B
768	036+0.560	037+0.340	Right	500,409	176,533	501,486	175,947	12-Aug-2003	B	B
769	037+0.570	037+0.880	Right	501,807	175,739	502,154	175,417	12-Aug-2003	B	A
770	037+0.940	038+0.060	Right	502,239	175,344	502,391	175,225	12-Aug-2003	B	A
771	038+0.130	038+0.220	Right	502,489	175,175	502,621	175,115	12-Aug-2003	B	B
772	038+0.250	038+0.420	Right	502,665	175,091	502,931	174,931	12-Aug-2003	A	A
773	039+0.740	039+0.860	Right	504,279	173,396	504,382	173,253	12-Aug-2003	C	B
774	040+0.370	040+0.440	Right	504,882	172,575	504,958	172,490	12-Aug-2003	C	B
775	040+0.730	040+0.750	Right	504,976	172,471	505,364	172,199	12-Aug-2003	B	B
776	040+0.980	041+0.010	Right	505,716	172,052	505,762	172,027	12-Aug-2003	B	B
777	041+0.080	041+0.330	Right	505,863	171,972	506,229	171,940	12-Aug-2003	A	B
778	041+0.350	041+0.810	Right	506,258	171,949	506,967	172,154	12-Aug-2003	A	A
779	041+0.880	042+0.330	Right	507,082	172,192	507,794	172,170	12-Aug-2003	A	B
780	042+0.490	043+0.630	Right	508,048	172,188	509,777	172,620	12-Aug-2003	A	A
781	043+0.950	044+0.150	Right	510,191	172,902	510,536	172,951	12-Aug-2003	A	A
782	044+0.210	044+0.540	Right	510,637	172,948	511,149	173,040	12-Aug-2003	A	A
783	044+0.740	045+0.210	Right	511,481	173,105	512,228	173,230	12-Aug-2003	A	A
784	045+0.260	045+0.440	Right	512,321	173,235	512,580	173,266	12-Aug-2003	A	A
785	045+0.540	045+0.650	Right	512,734	173,327	512,904	173,384	12-Aug-2003	A	B
786	046+0.310	046+0.700	Right	513,954	173,509	514,514	173,554	12-Aug-2003	B	B
787	046+0.840	047+0.090	Right	514,647	173,734	515,023	173,925	12-Aug-2003	B	A
788	047+0.140	047+0.260	Right	515,071	173,985	515,218	174,087	12-Aug-2003	B	B
789	047+0.310	047+0.860	Right	515,318	174,119	516,004	174,610	12-Aug-2003	B	A
790	047+0.930	048+0.020	Right	516,140	174,711	516,268	174,810	12-Aug-2003	B	B
791	048+0.030	048+0.100	Right	516,281	174,822	516,346	174,876	12-Aug-2003	B	B
792	049+0.940	050+0.350	Right	518,861	174,139	519,603	174,280	12-Aug-2003	B	B
793	050+0.540	050+0.600	Right	519,396	174,140	519,982	174,415	12-Aug-2003	B	B
794	050+0.720	050+0.890	Right	519,648	174,294	520,397	174,385	12-Aug-2003	B	B
795	050+0.910	051+0.150	Right	520,462	174,366	520,821	174,352	12-Aug-2003	B	A

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
796	050+0.950	051+0.060	Left	520,536	174,327	520,694	174,281	12-Aug-2003	B	B
797	051+0.280	051+0.410	Right	520,997	174,498	521,002	174,498	12-Aug-2003	B	B
798	051+0.470	051+0.920	Right	521,287	174,615	521,813	175,088	12-Aug-2003	B	A
799	052+0.290	052+0.360	Right	522,184	175,536	522,269	175,610	12-Aug-2003	B	B
800	052+0.350	052+0.580	Right	522,270	175,610	522,516	175,870	12-Aug-2003	B	B
801	052+0.960	053+0.550	Right	522,824	176,270	523,447	177,039	12-Aug-2003	B	A
802	053+0.790	053+0.840	Right	523,740	177,278	523,803	177,338	12-Aug-2003	B	B
803	053+0.980	054+0.120	Right	523,933	177,515	524,050	177,704	12-Aug-2003	B	B
804	054+0.120	054+0.210	Right	524,050	177,704	524,101	177,832	12-Aug-2003	B	B
805	054+0.210	054+0.310	Right	524,105	177,832	524,182	177,981	12-Aug-2003	B	B
806	054+0.380	054+0.570	Right	524,200	178,077	524,174	178,393	12-Aug-2003	B	B
807	054+0.610	054+0.760	Right	524,186	178,450	524,195	178,675	11-Aug-2003	B	A
808	054+0.860	055+0.040	Right	524,215	178,824	524,370	179,086	11-Aug-2003	B	B
809	056+0.590	056+0.720	Right	526,479	179,560	526,622	179,707	11-Aug-2003	B	B
810	056+0.720	057+0.030	Right	526,620	179,705	526,909	180,140	11-Aug-2003	A	A
811	057+0.030	057+0.270	Right	526,909	180,141	527,097	180,456	11-Aug-2003	B	B
812	057+0.330	057+0.390	Right	527,152	180,537	527,206	180,615	11-Aug-2003	B	B
813	059+0.170	059+0.320	Right	529,302	182,350	529,528	182,520	11-Aug-2003	C	B
814	062+0.340	062+0.400	Right	531,051	186,290	531,009	186,370	11-Aug-2003	C	B
Corridor:	C000035 E									
815	002+0.310	002+0.480	Left	356,497	179,554	356,613	179,824	02-Aug-2003	B	B
816	003+0.440	003+0.780	Left	356,997	181,264	356,860	181,808	02-Aug-2003	C	A
817	007+0.280	007+0.490	Left	358,230	186,690	358,149	186,999	02-Aug-2003	C	B
818	010+0.510	010+0.740	Left	357,363	191,459	357,257	191,759	02-Aug-2003	C	B
819	011+0.060	011+0.140	Left	356,776	191,839	356,652	191,816	02-Aug-2003	B	B
820	012+0.130	012+0.200	Left	355,480	192,643	355,439	192,757	02-Aug-2003	B	B
821	013+0.940	014+0.000	Right	354,102	194,955	354,071	195,051	02-Aug-2003	A	A
822	014+0.100	014+0.180	Right	354,073	195,212	354,105	195,349	02-Aug-2003	B	A
823	015+0.280	015+0.490	Right	353,570	196,865	353,788	197,112	02-Aug-2003	B	B
824	015+0.590	015+0.640	Right	353,901	197,236	353,960	197,299	02-Aug-2003	C	B
825	015+0.820	016+0.020	Right	354,011	197,410	353,685	197,643	02-Aug-2003	A	A
826	016+0.030	016+0.140	Right	353,654	197,658	353,517	197,751	02-Aug-2003	B	A
827	016+0.800	016+0.840	Right	352,784	198,479	352,805	198,539	02-Aug-2003	B	B
828	017+0.420	017+0.480	Right	353,586	198,934	353,677	198,904	02-Aug-2003	B	B
829	017+0.480	017+0.510	Right	353,677	198,904	353,728	198,893	02-Aug-2003	A	B
830	017+0.560	017+0.640	Right	353,795	198,873	353,925	198,835	02-Aug-2003	B	B
831	017+0.640	017+0.710	Right	353,925	198,839	354,034	198,845	02-Aug-2003	B	B
832	018+0.070	018+0.150	Right	354,292	199,279	354,311	199,385	02-Aug-2003	C	B
833	018+0.240	018+0.260	Right	354,396	199,510	354,431	199,533	02-Aug-2003		B
834	019+0.060	019+0.150	Right	355,526	200,205	355,629	200,291	02-Aug-2003	B	B
835	019+0.870	020+0.090	Right	355,919	201,367	356,193	201,566	02-Aug-2003	B	B
836	020+0.260	020+0.300	Right	356,475	201,605	356,538	201,598	02-Aug-2003	B	B
837	020+0.300	020+0.380	Right	356,358	201,598	356,690	201,585	02-Aug-2003	A	A
838	020+0.510	020+0.540	Right	356,868	201,568	356,918	201,561	02-Aug-2003	C	B
Corridor:	C000036 E									
839	000+0.820	000+0.860	Left	370,276	196,603	370,318	196,660	08-Aug-2003	B	B
840	001+0.600	001+0.640	Left	371,257	197,480	371,341	197,491	08-Aug-2003	B	B
841	003+0.190	003+0.260	Left	373,512	197,798	373,547	197,902	08-Aug-2003	B	B
842	003+0.370	003+0.480	Left	373,538	198,075	373,543	198,250	08-Aug-2003	C	B
843	003+0.850	003+0.990	Left	374,047	198,456	374,291	198,508	08-Aug-2003	B	B
844	003+0.990	004+0.150	Left	374,291	198,508	374,554	198,587	08-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
845	004+0.150	004+0.320	Left	374,554	198,587	374,823	198,867	08-Aug-2003	B	B
846	004+0.320	004+0.400	Left	374,746	198,747	374,823	198,867	08-Aug-2003	A	A
847	004+0.400	004+0.560	Left	374,823	198,867	375,055	198,950	08-Aug-2003	A	A
848	004+0.650	004+0.810	Left	375,194	198,977	375,308	199,183	08-Aug-2003	B	B
849	009+0.560	009+0.640	Right	377,413	205,664	377,530	205,661	08-Aug-2003	A	A
850	010+0.260	010+0.300	Left	378,209	206,362	378,220	206,417	08-Aug-2003	B	B
851	010+0.460	010+0.530	Left	378,265	206,679	378,286	206,787	08-Aug-2003	A	A
852	010+0.540	010+0.580	Left	378,288	206,802	378,298	206,859	08-Aug-2003	A	A
853	010+0.610	010+0.640	Left	378,308	206,911	378,313	206,955	08-Aug-2003	A	B
854	010+0.910	010+0.940	Left	378,409	207,381	378,434	207,426	08-Aug-2003	B	B
855	011+0.000	011+0.090	Left	378,482	207,519	378,554	207,633	08-Aug-2003	B	B
Corridor:	C000037	E								
856	043+0.970	044+0.000	Left	157,707	823,743	157,719	823,782	01-Aug-2003	C	B
857	047+0.590	047+0.760	Left	158,176	829,913	158,157	829,704	01-Aug-2003	A	B
858	047+0.900	047+0.970	Left	158,151	830,913	158,147	830,027	01-Aug-2003	A	B
859	051+0.330	051+0.480	Left	158,061	835,267	158,024	835,510	01-Aug-2003	B	B
860	051+0.670	051+0.800	Left	157,837	835,824	157,762	835,905	01-Aug-2003	B	B
Corridor:	C000041	N								
861	018+0.270	018+0.620	Right	288,142	349,226	288,446	348,753	03-Aug-2003	B	B
862	018+0.660	018+0.880	Right	288,504	348,696	288,701	348,416	03-Aug-2003	B	B
863	019+0.060	019+0.250	Right	288,730	348,311	288,794	348,018	03-Aug-2003	B	B
864	020+0.900	021+0.000	Right	290,017	345,632	290,032	345,477	03-Aug-2003	B	B
865	021+0.140	021+0.310	Right	290,076	345,267	290,237	345,041	03-Aug-2003	B	B
866	023+0.130	023+0.330	Left	292,035	342,803	292,220	342,533	03-Aug-2003	C	B
Corridor:	C000045	N								
867	005+0.710	005+0.770	Right	184,132	562,938	184,917	562,917	05-Aug-2003	C	B
868	006+0.140	006+0.200	Right	184,835	562,930	184,937	562,933	05-Aug-2003	C	B
869	008+0.340	008+0.400	Right	188,124	562,525	188,208	562,550	05-Aug-2003	C	B
870	010+0.030	010+0.070	Right	190,645	563,521	190,682	563,531	05-Aug-2003		B
Corridor:	C000046	E								
871	006+0.170	006+0.250	Left	166,872	262,074	166,827	262,181	11-Aug-2003	C	B
872	006+0.680	006+0.760	Left	166,584	262,835	166,541	262,949	11-Aug-2003	C	B
873	007+0.680	007+0.790	Left	165,857	264,224	165,729	264,348	11-Aug-2003	C	B
874	007+0.990	008+0.110	Left	165,546	264,627	165,506	264,805	11-Aug-2003	B	B
875	008+0.440	008+0.570	Left	165,499	265,341	165,490	265,554	11-Aug-2003	B	B
876	008+0.920	009+0.000	Left	165,268	266,037	165,198	266,197	11-Aug-2003	B	B
877	010+0.110	010+0.180	Left	165,201	267,974	165,220	268,078	11-Aug-2003	C	B
878	010+0.770	010+0.870	Left	165,551	268,953	165,559	269,112	11-Aug-2003	B	B
879	010+0.950	010+0.990	Left	165,569	269,224	165,574	269,315	11-Aug-2003	C	B
880	011+0.580	011+0.740	Left	165,221	270,091	165,287	270,342	11-Aug-2003	B	B
881	013+0.050	013+0.110	Left	164,642	272,169	164,598	272,248	11-Aug-2003	B	B
882	036+0.880	036+0.920	Right	174,242	299,335	174,293	299,375	11-Aug-2003	B	B
883	036+0.990	037+0.020	Right	174,393	299,446	174,448	299,476	11-Aug-2003	A	B
884	037+0.050	037+0.080	Right	174,511	299,511	174,565	299,531	11-Aug-2003	B	B
885	037+0.250	037+0.370	Right	174,799	299,641	174,992	299,731	11-Aug-2003	B	B
886	039+0.150	039+0.270	Right	177,654	300,539	177,832	300,603	11-Aug-2003	B	B
887	043+0.350	043+0.620	Left	181,832	305,495	181,662	305,889	11-Aug-2003	B	B
888	044+0.080	044+0.120	Left	181,502	306,567	181,487	306,644	11-Aug-2003	B	B
889	044+0.330	044+0.390	Left	181,530	306,973	181,578	307,052	11-Aug-2003	B	B
890	044+0.850	044+0.910	Left	182,146	307,505	182,228	307,569	11-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
891	045+0.170	045+0.220	Left	182,563	307,798	182,636	307,842	11-Aug-2003	B	B
892	046+0.350	046+0.400	Left	184,286	308,486	184,400	308,503	11-Aug-2003	A	B
893	046+0.540	046+0.640	Left	184,607	308,604	184,739	308,684	11-Aug-2003	A	B
894	054+0.580	054+0.740	Left	187,969	319,773	187,910	320,019	11-Aug-2003	A	B
895	055+0.100	055+0.240	Left	187,841	320,590	187,760	320,799	11-Aug-2003	A	B
896	055+0.510	055+0.650	Left	187,551	321,185	187,410	321,336	11-Aug-2003	A	B
897	055+0.650	055+0.970	Left	187,410	321,336	186,997	321,643	11-Aug-2003	A	B
898	056+0.040	056+0.150	Left	186,896	321,718	186,508	321,834	11-Aug-2003	B	B
899	056+0.550	057+0.000	Left	186,111	321,906	185,363	321,914	11-Aug-2003	A	B
900	057+0.670	057+0.760	Left	184,612	322,651	184,538	322,770	11-Aug-2003	C	B
901	067+0.020	067+0.050	Right	176,475	334,358	176,452	334,393	11-Aug-2003		B
902	067+0.200	067+0.330	Right	176,308	334,592	176,195	334,760	11-Aug-2003		B
903	067+0.670	067+0.780	Right	175,937	335,230	175,857	335,394	11-Aug-2003	A	B
904	068+0.060	068+0.190	Right	175,765	335,756	175,860	335,935	11-Aug-2003	A	A
905	068+0.190	068+0.270	Right	175,862	335,934	175,934	336,035	11-Aug-2003	A	B
906	068+0.270	068+0.410	Right	175,934	336,034	176,143	336,090	11-Aug-2003	A	A
907	068+0.500	068+0.560	Right	176,284	336,077	176,380	336,116	11-Aug-2003	A	A
908	069+0.920	070+0.050	Right	175,502	337,991	175,392	338,178	11-Aug-2003	A	A
909	070+0.070	070+0.210	Right	175,375	338,212	175,286	338,418	11-Aug-2003	A	A
910	070+0.240	070+0.300	Right	175,285	338,464	175,277	338,561	11-Aug-2003	A	B
911	071+0.140	071+0.520	Right	175,256	339,905	175,304	340,508	11-Aug-2003	A	B
912	071+0.610	072+0.340	Right	175,300	340,650	174,780	341,668	11-Aug-2003	A	A
913	072+0.360	072+0.860	Right	174,759	341,694	174,127	342,155	11-Aug-2003	A	A
914	072+0.900	073+0.490	Right	174,113	342,208	173,357	342,725	11-Aug-2003	A	A
915	073+0.530	073+0.600	Right	173,344	342,776	173,351	342,883	11-Aug-2003	A	B
916	073+0.600	073+0.750	Right	173,353	342,884	173,292	343,102	11-Aug-2003	A	A
917	073+0.750	074+0.020	Right	173,297	343,106	173,014	343,487	11-Aug-2003	A	A
918	074+0.100	074+0.270	Right	173,032	343,612	173,197	343,839	11-Aug-2003	A	A
919	074+0.460	074+0.580	Right	173,298	344,105	173,237	344,285	11-Aug-2003	A	B
920	074+0.730	074+0.920	Right	173,069	344,474	172,904	344,713	11-Aug-2003	A	B
921	074+0.770	074+0.900	Left	173,026	344,511	172,913	344,687	11-Aug-2003	A	B
Corridor:	C000050	N								
922	009+0.960	010+0.010	Right	62,566	472,727	62,594	472,688	07-Aug-2003	B	B
923	010+0.170	010+0.240	Left	62,853	472,693	62,946	472,794	07-Aug-2003	B	B
924	010+0.580	010+0.660	Left	63,091	473,317	63,168	473,434	07-Aug-2003	B	B
925	011+0.370	011+0.510	Left	63,950	473,963	64,177	474,026	07-Aug-2003	B	B
926	016+0.570	016+0.630	Left	70,763	477,800	70,837	477,754	07-Aug-2003	B	B
927	025+0.700	025+0.750	Right	84,689	475,421	84,770	475,421	07-Aug-2003	B	B
928	027+0.800	027+0.880	Right	87,507	473,846	87,570	473,735	07-Aug-2003	B	B
929	032+0.230	032+0.270	Right	91,692	468,300	91,700	468,225	07-Aug-2003	A	B
930	039+0.760	039+0.840	Left	101,669	462,726	101,806	462,739	07-Aug-2003	A	B
931	040+0.270	040+0.450	Left	102,453	462,634	102,693	462,518	07-Aug-2003	A	B
932	041+0.620	041+0.770	Left	104,481	463,029	104,715	463,100	07-Aug-2003	A	B
933	050+0.680	050+0.800	Right	117,334	465,369	117,505	465,414	07-Aug-2003	A	A
934	052+0.050	052+0.160	Right	118,576	466,976	118,739	466,972	07-Aug-2003	A	A
935	052+0.330	052+0.450	Right	118,981	467,078	119,088	467,230	07-Aug-2003	A	A
936	052+0.730	052+0.870	Right	119,447	467,504	119,631	467,612	07-Aug-2003	A	A
937	052+0.870	052+0.960	Right	119,620	467,602	119,758	467,695	07-Aug-2003	A	A
938	055+0.430	055+0.510	Right	123,255	468,906	123,378	468,900	07-Aug-2003		B
939	055+0.690	055+0.780	Right	123,671	468,941	123,791	468,963	07-Aug-2003	A	B
940	055+0.890	055+0.950	Right	123,991	469,022	124,069	469,024	07-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
941	057+0.420	057+0.470	Right	126,274	468,793	126,355	468,774	07-Aug-2003	A	B
942	057+0.720	057+0.840	Right	126,717	468,942	126,886	468,891	07-Aug-2003	A	A
943	058+0.410	058+0.450	Right	127,100	467,989	127,104	467,950	07-Aug-2003	A	A
944	058+0.890	059+0.000	Right	127,475	467,391	127,323	467,420	07-Aug-2003	A	B
945	059+0.280	059+0.390	Right	127,975	467,125	128,150	467,021	07-Aug-2003	A	B
946	060+0.730	060+0.960	Right	129,520	465,527	129,852	465,411	07-Aug-2003	A	A
947	061+0.180	061+0.260	Right	130,127	465,181	130,111	465,070	08-Aug-2003	A	A
948	061+0.380	061+0.550	Left	130,206	464,868	130,451	464,801	08-Aug-2003	A	A
949	062+0.070	062+0.210	Left	131,138	464,401	131,328	464,364	08-Aug-2003	A	A
950	062+0.560	062+0.690	Left	131,927	464,318	132,091	464,309	08-Aug-2003	A	A
951	063+0.140	063+0.210	Left	132,799	464,417	132,940	464,409	08-Aug-2003	A	A
952	066+0.650	066+0.760	Left	137,369	461,710	137,555	461,656	08-Aug-2003		B
953	068+0.850	070+0.200	Right	140,807	461,878	142,576	463,075	08-Aug-2003	B	B
Corridor:	C000052	N								
954	004+0.300	004+0.360	Right	393,504	258,812	393,597	258,791	06-Aug-2003	B	B
955	008+0.890	008+0.960	Right	399,975	261,809	400,087	261,871	06-Aug-2003	B	B
956	009+0.560	009+0.700	Right	401,036	261,863	401,240	261,963	06-Aug-2003	B	B
957	009+0.720	009+0.940	Right	401,269	261,962	401,617	261,966	06-Aug-2003	B	A
958	010+0.380	010+0.520	Right	402,315	262,035	402,538	262,064	06-Aug-2003	B	B
959	010+0.990	011+0.040	Right	403,279	261,959	403,341	261,971	07-Aug-2003	B	A
960	011+0.080	011+0.120	Right	403,388	261,982	403,463	262,005	07-Aug-2003	B	A
961	011+0.140	011+0.230	Right	403,488	262,023	403,629	262,054	07-Aug-2003	B	B
962	011+0.230	011+0.370	Right	403,630	262,056	403,849	262,103	07-Aug-2003	B	A
963	011+0.660	011+0.730	Right	404,305	262,030	404,431	262,002	07-Aug-2003	B	B
964	011+0.760	011+0.810	Right	404,479	262,000	404,549	262,008	07-Aug-2003	B	B
965	012+0.810	013+0.000	Right	406,109	261,694	406,410	261,616	07-Aug-2003	C	B
966	013+0.120	013+0.180	Right	406,589	261,570	406,697	261,572	07-Aug-2003	C	A
967	013+0.350	013+0.420	Right	406,955	261,585	407,070	261,564	07-Aug-2003	C	B
968	015+0.770	015+0.860	Right	410,466	260,692	410,582	260,717	07-Aug-2003	C	B
969	015+0.980	016+0.290	Right	410,747	260,837	411,174	261,110	07-Aug-2003	C	B
970	022+0.730	022+0.820	Right	421,232	261,847	421,376	261,799	07-Aug-2003	B	B
971	023+0.470	023+0.700	Right	421,571	261,747	422,720	261,411	07-Aug-2003	C	B
972	023+0.950	024+0.040	Right	423,111	261,328	423,224	261,299	07-Aug-2003	C	B
973	024+0.200	024+0.270	Right	423,479	261,279	423,596	261,310	07-Aug-2003	C	B
974	024+0.400	024+0.500	Right	423,786	261,381	423,946	261,431	07-Aug-2003	B	B
Corridor:	C000053	N								
975	002+0.410	003+0.010	Right	172,649	676,036	172,914	675,113	02-Aug-2003		A
976	043+0.940	044+0.010	Left	224,306	643,275	224,421	643,242	31-Jul-2003	C	B
977	044+0.180	044+0.240	Right	224,665	643,172	224,771	643,148	31-Jul-2003	A	B
Corridor:	C000056	N								
978	001+0.150	001+0.200	Left	440,562	127,906	440,633	127,909	04-Aug-2003		B
979	003+0.670	003+0.700	Left	443,344	130,728	443,370	130,746	04-Aug-2003	B	B
980	027+0.040	027+0.150	Right	474,310	130,584	474,411	130,728	04-Aug-2003	B	B
Corridor:	C000058	N								
981	012+0.480	012+0.510	Left	484,609	321,822	484,635	321,858	12-Aug-2003	C	B
982	013+0.010	013+0.030	Right	485,380	321,745	485,388	321,721	12-Aug-2003	B	B
983	013+0.050	013+0.090	Right	485,408	321,691	485,462	321,648	12-Aug-2003	A	B
984	013+0.180	013+0.210	Right	485,570	321,559	485,602	321,543	12-Aug-2003	A	B
985	030+0.690	030+0.810	Right	505,764	311,568	505,945	311,470	12-Aug-2003	C	B
986	030+0.960	030+0.990	Right	506,159	311,361	506,206	311,323	12-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
987	031+0.000	031+0.070	Right	506,225	311,350	506,305	311,230	12-Aug-2003	B	B
Corridor:	C000060	N								
988	001+0.540	001+0.580	Left	260,263	497,110	260,328	497,123	24-Aug-2003	B	B
989	008+0.620	008+0.660	Left	270,950	494,751	270,998	494,775	24-Aug-2003	B	B
990	019+0.770	019+0.830	Left	280,301	502,758	280,274	502,855	24-Aug-2003	B	B
991	020+0.160	020+0.250	Left	280,125	503,356	280,053	503,480	24-Aug-2003	A	B
992	023+0.930	023+0.980	Left	281,508	508,428	281,594	508,450	24-Aug-2003	B	B
993	025+0.900	025+0.960	Right	284,511	508,058	284,607	508,042	24-Aug-2003	B	B
994	026+0.000	026+0.080	Right	284,690	508,026	284,814	508,003	24-Aug-2003	B	B
995	026+0.730	026+0.800	Right	285,787	508,238	285,897	508,263	24-Aug-2003		B
996	026+0.860	026+0.950	Right	285,988	508,288	286,102	508,347	24-Aug-2003		B
997	027+0.050	027+0.160	Right	286,257	508,426	286,419	508,506	24-Aug-2003		B
998	027+0.110	027+0.230	Right	286,600	508,590	286,758	508,711	24-Aug-2003		B
999	027+0.270	027+0.360	Right	286,789	508,750	286,890	508,855	24-Aug-2003	B	B
1000	027+0.500	028+0.020	Right	287,092	508,856	287,636	508,914	24-Aug-2003	B	B
1001	030+0.910	030+0.950	Right	291,119	511,231	291,175	511,210	24-Aug-2003	A	B
1002	031+0.000	031+0.050	Right	291,256	511,186	291,340	511,193	24-Aug-2003	A	B
1003	031+0.190	031+0.240	Right	291,541	511,145	291,610	511,092	24-Aug-2003	A	B
1004	031+0.270	031+0.360	Left	291,655	511,070	291,764	510,988	24-Aug-2003	B	B
1005	031+0.430	031+0.730	Right	291,804	510,891	292,085	510,504	24-Aug-2003	A	B
1006	032+0.140	032+0.260	Right	292,547	510,128	292,705	510,019	24-Aug-2003	A	B
1007	032+0.360	032+0.600	Right	292,825	509,930	293,193	509,811	24-Aug-2003	A	B
1008	032+0.840	032+0.890	Right	293,571	509,721	293,655	509,689	24-Aug-2003	B	B
1009	033+0.260	033+0.300	Right	294,272	509,457	294,335	509,439	24-Aug-2003		B
1010	033+0.420	033+0.480	Right	294,522	509,412	294,618	509,411	24-Aug-2003		B
1011	034+0.260	034+0.340	Right	295,886	509,415	295,887	509,409	24-Aug-2003	B	B
1012	034+0.370	034+0.420	Left	296,048	509,395	296,120	509,349	24-Aug-2003	B	B
1013	034+0.560	034+0.640	Left	296,265	509,178	296,346	509,083	24-Aug-2003	B	B
1014	034+0.650	034+0.680	Left	296,354	509,073	296,383	509,026	24-Aug-2003	A	B
1016	034+0.860	034+0.880	Left	296,535	508,838	296,576	508,765	24-Aug-2003	A	B
1015	034+0.860	034+0.880	Right	296,554	508,808	296,576	508,765	24-Aug-2003	A	B
1017	034+0.960	035+0.150	Right	296,605	508,656	296,674	508,390	24-Aug-2003	B	B
1018	035+0.240	035+0.340	Right	296,735	508,242	296,812	508,111	24-Aug-2003	B	B
1019	036+0.090	036+0.190	Right	297,422	507,019	297,528	506,902	24-Aug-2003	B	B
1020	038+0.450	038+0.540	Right	300,473	504,844	300,605	504,829	24-Aug-2003	B	A
1021	038+0.660	038+0.750	Right	300,787	504,783	300,893	504,700	24-Aug-2003	B	B
1022	038+0.860	038+0.930	Right	301,054	504,622	301,163	504,574	24-Aug-2003	A	B
1023	038+0.890	038+0.990	Right	302,538	504,342	302,687	504,321	24-Aug-2003	B	B
1024	039+0.060	039+0.120	Right	301,290	504,520	301,383	504,509	24-Aug-2003	B	B
1025	039+0.300	039+0.380	Right	301,648	504,597	301,777	504,594	24-Aug-2003	A	B
1026	039+0.420	039+0.460	Right	301,846	504,594	301,904	504,595	24-Aug-2003	A	B
1027	039+0.520	039+0.580	Right	302,149	504,541	302,233	504,505	24-Aug-2003	A	B
1028	039+0.820	039+0.850	Right	302,440	504,415	302,488	504,377	24-Aug-2003	A	B
1029	039+0.990	040+0.000	Right	302,687	504,321	302,788	504,360	24-Aug-2003	C	A
1030	043+0.190	043+0.240	Right	307,742	503,455	307,814	503,458	24-Aug-2003	C	B
1031	043+0.290	043+0.320	Right	307,897	503,462	307,946	503,465	24-Aug-2003	C	B
1032	043+0.930	043+0.970	Right	308,797	503,088	308,847	503,076	24-Aug-2003	C	B
1033	044+0.220	044+0.280	Right	309,252	503,036	309,337	502,991	24-Aug-2003		B
1034	044+0.780	044+0.820	Right	310,047	502,671	310,120	502,644	24-Aug-2003	C	B
1035	045+0.540	045+0.590	Right	311,070	502,040	311,134	502,005	21-Aug-2003		B
1036	050+0.620	050+0.660	Left	318,035	499,119	318,090	499,153	24-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1037	050+0.780	050+0.800	Left	318,253	499,247	318,293	499,261	24-Aug-2003	B	B
1038	051+0.610	051+0.660	Right	319,488	499,805	319,543	499,822	24-Aug-2003	B	B
1039	051+0.640	051+0.660	Left	319,509	499,812	319,543	499,822	24-Aug-2003	B	B
1040	051+0.850	051+0.870	Right	319,833	499,777	319,856	499,765	24-Aug-2003	A	B
1041	052+0.030	052+0.320	Right	320,123	499,700	320,429	499,700	24-Aug-2003	B	B
1042	052+0.290	052+0.510	Right	320,523	499,675	320,859	499,615	24-Aug-2003	A	A
1043	052+0.560	052+0.590	Left	320,939	499,616	320,987	499,610	25-Aug-2003	A	A
1044	052+0.610	052+0.670	Right	321,018	499,597	321,112	499,561	24-Aug-2003	A	A
1045	052+0.710	052+0.890	Right	321,163	499,547	321,447	499,533	24-Aug-2003	A	A
1046	052+0.920	052+0.980	Left	321,499	499,536	321,600	499,540	24-Aug-2003	B	B
1047	053+0.050	053+0.090	Left	321,730	499,545	321,785	499,549	24-Aug-2003	B	B
1048	053+0.180	053+0.240	Left	321,935	499,575	322,018	499,607	24-Aug-2003	B	B
1049	060+0.300	060+0.510	Right	328,705	491,802	328,949	491,600	24-Aug-2003	B	B
Corridor:	C000061	N								
1050	001+0.690	001+0.730	Right	246,286	672,512	246,349	672,472	31-Jul-2003		B
1051	113+0.150	113+0.250	Right	401,743	679,969	401,867	680,065	31-Jul-2003	C	B
1052	116+0.540	116+0.570	Right	405,927	683,364	405,964	683,400	31-Jul-2003	C	B
Corridor:	C000069	N								
1053	034+0.110	034+0.220	Left	219,344	401,011	219,363	400,971	05-Aug-2003	B	B
1054	034+0.250	034+0.290	Left	219,388	400,928	219,415	400,870	05-Aug-2003	B	B
1055	034+0.410	034+0.440	Left	219,502	400,688	219,529	400,646	05-Aug-2003	B	B
Corridor:	C000072	N								
1056	000+0.930	000+0.970	Right	84,895	635,153	84,974	635,155	02-Aug-2003	B	B
1057	000+0.970	001+0.070	Right	84,974	635,155	85,134	635,152	02-Aug-2003	B	B
1058	001+0.080	001+0.170	Right	85,147	635,150	85,296	635,128	02-Aug-2003	B	A
1059	001+0.170	001+0.280	Right	85,297	635,127	85,389	635,105	02-Aug-2003	B	B
1060	001+0.310	001+0.450	Right	85,520	635,069	85,741	635,018	02-Aug-2003	B	B
1061	001+0.550	001+0.740	Right	85,889	634,993	86,201	634,934	02-Aug-2003	B	B
1062	003+0.230	003+0.330	Right	88,561	635,175	88,712	635,189	02-Aug-2003	B	B
1063	004+0.880	005+0.250	Right	90,866	636,400	91,433	636,566	02-Aug-2003	C	B
1064	007+0.980	008+0.340	Left	95,503	637,566	95,858	637,921	02-Aug-2003	A	B
1065	008+0.360	008+0.440	Left	95,880	637,940	95,971	638,040	02-Aug-2003	A	B
1066	008+0.490	008+0.620	Right	96,023	638,098	96,176	638,252	02-Aug-2003	B	B
1067	008+0.760	008+0.870	Left	96,333	638,393	96,476	638,498	02-Aug-2003	C	B
1068	020+0.490	020+0.920	Right	112,768	645,434	113,454	645,392	02-Aug-2003	B	B
Corridor:	C000078	N								
1069	015+0.700	015+0.770	Left	118,949	604,663	118,929	604,532	04-Aug-2003		B
1070	016+0.580	016+0.740	Right	118,940	603,261	118,937	603,029	04-Aug-2003		B
1071	019+0.000	019+0.420	Right	121,073	600,464	121,723	600,616	04-Aug-2003	B	B
1072	030+0.850	030+0.880	Right	138,068	603,745	138,112	603,766	04-Aug-2003	B	B
Corridor:	C000083	N								
1073	004+0.180	004+0.220	Right	319,525	304,286	319,577	304,292	30-Jul-2003	A	B
1074	004+0.660	004+0.720	Right	320,176	304,667	320,254	304,717	30-Jul-2003	A	B
1075	005+0.200	005+0.350	Right	320,721	305,276	320,966	305,283	30-Jul-2003	A	B
1076	005+0.540	005+0.690	Right	321,246	305,216	321,488	305,204	30-Jul-2003	A	A
1077	005+0.710	005+0.760	Right	321,514	305,210	321,602	305,217	30-Jul-2003	A	B
1078	005+0.820	005+0.870	Right	321,691	305,179	321,752	305,137	30-Jul-2003	A	B
1079	006+0.010	006+0.220	Right	321,893	305,038	322,175	304,845	30-Jul-2003	A	B
1080	006+0.220	006+0.290	Right	322,175	304,846	322,270	304,784	30-Jul-2003		B
1081	006+0.290	006+0.440	Right	322,270	304,783	322,494	304,715	30-Jul-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1082	007+0.680	007+0.720	Right	324,321	303,935	324,348	303,896	30-Jul-2003	A	B
1083	007+0.760	007+0.870	Right	324,401	303,851	324,548	303,748	30-Jul-2003	A	B
1084	008+0.020	008+0.090	Right	324,728	303,519	324,800	303,437	30-Jul-2003	A	B
1085	008+0.190	008+0.270	Right	324,913	303,337	324,967	303,213	30-Jul-2003	B	B
1086	008+0.430	008+0.560	Right	324,998	302,959	325,056	302,771	30-Jul-2003	A	A
1087	009+0.050	009+0.160	Right	325,262	302,064	325,265	301,940	30-Jul-2003	A	A
1088	009+0.320	009+0.410	Right	325,435	301,664	325,530	301,549	30-Jul-2003	A	B
1089	009+0.540	009+0.630	Right	325,654	301,396	325,795	301,329	30-Jul-2003	A	A
1090	009+0.630	009+0.700	Right	325,796	301,330	325,875	301,256	30-Jul-2003	A	B
1091	009+0.740	009+0.980	Right	325,918	301,202	326,222	300,968	30-Jul-2003	A	B
1092	010+0.470	010+0.510	Right	327,017	300,854	327,075	300,851	30-Jul-2003	A	B
1094	010+0.640	010+0.690	Left	327,300	300,830	327,358	300,821	30-Jul-2003	A	B
1093	010+0.640	010+0.690	Right	327,297	300,837	327,352	300,836	30-Jul-2003	A	B
1095	010+0.850	010+0.920	Right	327,613	300,758	327,718	300,730	30-Jul-2003	A	B
1096	029+0.640	029+0.660	Right	354,620	290,023	354,645	290,014	30-Jul-2003	A	B
1097	030+0.490	030+0.520	Right	355,539	289,090	355,576	289,059	30-Jul-2003	A	B
1098	031+0.370	031+0.410	Right	356,678	288,322	356,742	288,300	30-Jul-2003	A	B
1099	031+0.410	031+0.440	Right	356,742	288,306	356,780	288,296	30-Jul-2003	A	B
1100	072+0.430	072+0.670	Right	418,446	274,324	418,703	274,042	30-Jul-2003	C	B
1101	073+0.020	073+0.210	Right	419,194	273,777	419,486	273,718	30-Jul-2003	A	A
1102	073+0.510	073+0.560	Right	419,949	273,536	420,011	273,526	30-Jul-2003	A	B
1103	073+0.560	073+0.700	Right	420,018	273,528	420,246	273,501	30-Jul-2003	A	B
1104	074+0.440	074+0.480	Right	421,301	272,766	421,330	272,709	05-Aug-2003	A	B
1105	074+0.480	074+0.830	Right	421,330	272,709	421,615	272,242	05-Aug-2003	A	A
1106	075+0.480	075+0.580	Right	422,371	271,583	422,461	271,443	05-Aug-2003	A	B
1107	075+0.650	075+0.790	Right	422,500	271,346	422,662	271,208	05-Aug-2003	B	B
Corridor:	C000084	E								
1108	006+0.080	006+0.300	Left	150,579	437,816	150,860	437,871	09-Aug-2003	C	B
1109	006+0.530	006+0.620	Left	151,186	438,033	151,217	438,125	09-Aug-2003	C	B
1110	006+0.620	006+0.870	Left	151,217	438,125	151,372	438,470	09-Aug-2003	A	A
1111	010+0.380	010+0.460	Right	155,528	440,947	155,648	440,979	09-Aug-2003	B	B
1112	010+0.560	010+0.670	Right	155,796	441,037	155,954	441,119	09-Aug-2003	B	B
1113	011+0.490	011+0.600	Right	156,895	442,169	157,037	442,248	09-Aug-2003	C	B
Corridor:	C000086	N								
1114	004+0.370	004+0.450	Left	163,102	485,221	163,189	485,326	06-Aug-2003	A	A
1115	004+0.730	004+0.820	Left	163,157	485,714	163,079	485,860	06-Aug-2003	A	B
1116	005+0.120	005+0.210	Left	162,893	486,270	162,834	486,396	06-Aug-2003	A	B
1117	012+0.310	012+0.370	Right	169,645	492,842	169,738	492,839	06-Aug-2003	B	B
1118	012+0.410	012+0.470	Right	169,801	492,836	169,905	492,836	06-Aug-2003	B	B
1119	012+0.650	012+0.800	Right	170,190	492,848	170,433	492,898	06-Aug-2003	B	B
1120	015+0.930	016+0.030	Right	175,290	492,550	175,442	492,509	06-Aug-2003	A	A
1121	018+0.520	018+0.580	Right	179,255	492,595	179,357	492,603	06-Aug-2003	B	B
1122	018+0.930	019+0.100	Right	179,817	492,655	180,113	492,403	06-Aug-2003	B	B
Corridor:	C000087	E								
1123	001+0.890	002+0.000	Left	65,991	445,689	65,990	445,864	07-Aug-2003	A	B
1124	002+0.040	002+0.120	Left	65,990	445,926	65,990	446,068	07-Aug-2003	A	B
1125	002+0.230	002+0.390	Left	65,996	446,220	66,039	446,484	07-Aug-2003	A	B
1126	002+0.430	002+0.470	Left	66,053	446,535	66,073	446,597	07-Aug-2003		B
1127	002+0.510	002+0.680	Left	66,089	446,650	66,140	446,915	07-Aug-2003		A
1128	002+0.790	002+0.860	Left	66,093	447,082	66,072	447,190	07-Aug-2003		B
1129	002+0.900	003+0.010	Left	66,062	447,247	66,108	447,427	07-Aug-2003		B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1130	003+0.330	003+0.380	Left	66,436	447,769	66,514	447,763	07-Aug-2003		B
1131	003+0.540	003+0.690	Left	66,748	447,805	66,907	447,970	07-Aug-2003		B
1132	004+0.020	004+0.750	Left	67,381	448,269	68,306	448,956	07-Aug-2003	A	A
1133	005+0.530	005+0.940	Left	69,009	449,979	69,100	450,600	07-Aug-2003	C	B
1134	012+0.640	012+0.800	Left	66,564	459,061	66,434	459,272	07-Aug-2003	C	B
Corridor:	C000088	S								
1135	000+0.200	000+0.370	Left	258,110	346,830	258,193	347,089	06-Aug-2003	B	B
Corridor:	C000090	W								
1136	000+0.530	000+0.660	Left	373,857	133,665	373,661	133,695	01-Aug-2003	B	B
1137	000+0.790	000+0.880	Left	373,462	133,765	373,324	133,817	01-Aug-2003	B	B
1138	001+0.080	001+0.220	Left	373,080	133,994	372,953	134,161	01-Aug-2003	B	B
1139	001+0.400	001+0.530	Left	372,736	134,351	372,581	134,479	01-Aug-2003	B	B
1140	001+0.530	001+0.610	Left	372,583	134,480	372,498	134,571	01-Aug-2003	B	B
1141	002+0.620	002+0.710	Right	372,218	136,041	372,248	136,171	01-Aug-2003	A	A
1142	002+0.800	002+0.880	Right	372,219	136,314	372,136	136,424	01-Aug-2003	B	A
1143	003+0.030	003+0.080	Left	371,952	136,554	371,885	136,596	01-Aug-2003	C	B
1144	005+0.110	005+0.230	Left	370,168	139,165	370,251	139,347	01-Aug-2003	C	B
1145	005+0.280	005+0.350	Left	370,281	139,412	370,331	139,518	01-Aug-2003	C	B
1146	005+0.850	005+0.870	Left	370,178	140,229	370,060	140,388	01-Aug-2003	C	B
1147	006+0.160	006+0.270	Left	370,005	140,641	369,998	140,840	01-Aug-2003	C	B
1148	006+0.650	006+0.760	Left	369,659	141,335	369,641	141,501	01-Aug-2003	C	A
1149	007+0.290	007+0.460	Left	369,544	142,240	369,541	142,509	01-Aug-2003	A	B
1150	007+0.460	007+0.580	Left	369,541	142,509	369,589	142,710	01-Aug-2003	A	A
1151	007+0.900	007+0.980	Left	369,615	143,214	369,622	143,343	01-Aug-2003	C	B
1152	008+0.610	008+0.640	Left	369,522	144,320	369,515	144,379	01-Aug-2003	C	A
1153	008+0.860	008+0.990	Left	369,551	144,728	369,588	144,926	01-Aug-2003	C	A
1154	009+0.990	010+0.100	Left	368,956	146,352	368,879	146,424	01-Aug-2003	B	B
1155	010+0.880	010+0.990	Left	368,277	147,502	368,217	147,678	01-Aug-2003	B	B
1156	012+0.060	012+0.180	Left	367,735	149,297	367,707	149,489	01-Aug-2003	B	B
1157	012+0.480	012+0.780	Left	367,403	149,845	367,316	150,281	01-Aug-2003	B	A
1158	012+0.790	012+0.930	Left	367,316	150,304	367,271	150,523	01-Aug-2003	B	B
1159	012+0.940	013+0.000	Left	367,265	150,536	367,219	150,605	01-Aug-2003	B	B
1160	013+0.010	013+0.070	Left	367,201	150,624	367,122	150,682	01-Aug-2003	B	B
1161	013+0.060	013+0.190	Left	367,095	150,700	367,008	150,771	01-Aug-2003	B	B
1162	013+0.240	013+0.280	Left	366,917	150,916	366,882	150,964	01-Aug-2003	A	B
1163	013+0.320	013+0.410	Left	366,830	151,015	366,723	151,097	01-Aug-2003	A	B
1164	013+0.440	013+0.740	Left	366,676	151,134	366,488	151,485	01-Aug-2003	C	B
1165	014+0.000	014+0.080	Left	366,437	151,936	366,412	152,074	01-Aug-2003	C	B
1166	014+0.350	014+0.470	Left	366,472	152,497	366,431	152,681	01-Aug-2003	C	B
1167	020+0.710	020+0.840	Left	361,991	161,067	361,891	161,224	01-Aug-2003	B	B
1168	022+0.360	022+0.460	Left	360,570	163,098	360,414	163,140	01-Aug-2003	A	A
1169	023+0.120	023+0.240	Right	359,905	163,950	359,813	164,105	01-Aug-2003	B	B
1170	023+0.490	023+0.620	Left	359,458	164,361	359,321	164,535	01-Aug-2003	C	B
1171	023+0.820	023+0.910	Left	359,106	164,569	358,877	164,599	01-Aug-2003	C	B
1175	024+0.040	024+0.190	Left	358,744	164,759	358,540	164,885	01-Aug-2003	C	A
1173	024+0.350	024+0.440	Left	358,447	165,106	358,433	165,254	01-Aug-2003		B
1174	024+0.410	024+0.500	Left	358,433	165,255	358,393	165,346	01-Aug-2003	B	B
1172	024+0.590	024+0.720	Left	358,297	165,424	358,095	165,475	01-Aug-2003	C	A
1176	025+0.000	025+0.090	Left	357,884	165,891	357,783	165,982	01-Aug-2003	C	B
1177	026+0.240	026+0.430	Left	356,407	166,922	356,197	167,225	01-Aug-2003	C	A
1178	026+0.510	026+0.750	Left	356,216	167,346	356,240	167,733	01-Aug-2003	C	A

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1179	026+0.830	027+0.010	Left	356,248	167,888	356,190	168,135	01-Aug-2003	C	B
1180	027+0.350	027+0.560	Left	356,049	168,655	355,844	168,947	01-Aug-2003	C	B
1181	027+0.790	028+0.090	Left	355,451	169,125	355,086	169,363	01-Aug-2003	B	A
1182	028+0.120	028+0.200	Left	355,045	169,389	354,942	169,454	01-Aug-2003	C	B
1183	028+0.450	028+0.740	Left	354,761	169,799	354,827	170,226	01-Aug-2003	C	B
1184	030+0.660	030+0.860	Left	353,650	172,913	353,582	173,217	01-Aug-2003	B	B
1185	040+0.240	040+0.370	Left	346,463	182,408	346,338	182,564	01-Aug-2003	B	B
1186	062+0.040	062+0.280	Left	321,365	202,405	320,979	202,452	01-Aug-2003	B	B
1187	064+0.790	064+0.890	Left	320,524	206,234	320,524	206,215	01-Aug-2003	B	B
1188	071+0.280	071+0.300	Left	318,529	216,238	318,548	216,272	31-Jul-2003	B	B
1189	071+0.400	071+0.490	Left	318,786	216,523	318,752	216,484	31-Jul-2003	B	B
1190	071+0.560	071+0.680	Left	318,851	216,563	318,994	216,676	31-Jul-2003	B	B
1191	071+0.790	071+0.880	Left	319,137	216,788	319,257	216,884	31-Jul-2003	B	B
1192	072+0.270	072+0.320	Left	319,768	217,292	319,821	217,336	31-Jul-2003	B	B
1193	072+0.510	072+0.690	Left	320,032	217,702	320,127	217,826	31-Jul-2003	B	B
1194	072+0.800	072+0.870	Left	320,138	217,984	320,141	218,110	31-Jul-2003	C	B
1195	083+0.000	083+0.200	Left	319,875	231,029	320,187	231,219	31-Jul-2003	B	B
1196	124+0.680	124+0.880	Left	284,101	279,692	283,874	279,927	13-Aug-2003	B	B
1197	125+0.110	125+0.250	Left	283,763	280,279	283,745	280,494	13-Aug-2003	C	B
1198	125+0.250	125+0.500	Left	283,745	280,494	283,718	280,891	13-Aug-2003	C	B
1199	134+0.200	134+0.420	Left	280,752	294,058	280,518	294,328	13-Aug-2003	B	B
1200	135+0.580	135+0.680	Left	279,823	295,919	279,925	296,049	13-Aug-2003	C	B
1201	136+0.100	136+0.360	Left	280,327	296,611	280,389	297,031	13-Aug-2003	B	A
1202	137+0.160	137+0.360	Left	280,078	298,181	279,919	298,451	13-Aug-2003	B	A
1203	148+0.100	148+0.260	Left	279,519	313,662	279,387	313,872	12-Aug-2003		B
1204	148+0.180	148+0.260	Right	279,426	313,772	279,358	313,872	12-Aug-2003	B	B
1205	168+0.460	168+0.550	Left	263,721	340,141	262,947	340,476	01-Aug-2003	B	B
1206	168+0.950	169+0.150	Left	263,162	340,360	262,870	340,511	01-Aug-2003	C	B
1207	169+0.840	169+0.890	Left	261,975	341,146	261,955	341,222	01-Aug-2003	B	B
1208	177+0.080	177+0.210	Left	255,838	349,937	255,815	350,136	01-Aug-2003	B	B
1209	178+0.080	178+0.170	Left	255,270	351,376	255,174	351,491	01-Aug-2003	B	B
1210	230+0.980	231+0.010	Left	191,089	371,366	191,057	371,396	13-Aug-2003		B
1211	231+0.020	231+0.230	Left	191,044	371,411	190,848	371,690	13-Aug-2003		B
1213	231+0.380	231+0.650	Left	190,639	371,785	190,320	372,047	13-Aug-2003	A	A
1212	231+0.380	231+0.430	Right	190,645	371,726	190,565	371,778	13-Aug-2003		B
1214	231+0.480	231+0.570	Right	190,490	371,807	190,383	371,894	13-Aug-2003		B
1215	231+0.720	231+0.770	Left	190,261	372,138	190,198	372,199	13-Aug-2003	A	B
1216	231+0.820	231+0.930	Left	190,143	372,242	190,001	372,351	13-Aug-2003	A	B
1217	231+0.900	231+0.930	Right	190,046	372,289	190,005	372,323	13-Aug-2003	C	B
1218	231+0.950	232+0.160	Left	189,979	372,373	189,866	372,675	13-Aug-2003	A	A
1219	232+0.210	232+0.300	Left	189,868	372,764	189,868	372,899	13-Aug-2003	A	A
1220	232+0.510	232+0.590	Right	189,747	373,204	189,739	373,334	13-Aug-2003	B	B
1221	232+0.690	232+0.990	Right	189,796	373,485	189,939	373,908	13-Aug-2003	A	A
1222	233+0.230	233+0.440	Left	189,563	374,702	189,527	374,915	13-Aug-2003	C	B
1223	233+0.740	233+0.840	Left	189,473	375,209	189,455	375,313	13-Aug-2003	C	B
1224	233+0.970	234+0.060	Left	189,432	375,437	189,412	375,551	13-Aug-2003	C	B
1225	234+0.000	234+0.080	Right	189,413	375,412	189,393	375,535	13-Aug-2003	C	B
1226	234+0.140	234+0.280	Right	189,376	375,626	189,318	375,845	13-Aug-2003	C	B
1227	234+0.390	234+0.480	Right	189,269	376,016	189,237	376,146	13-Aug-2003	B	B
1228	234+0.700	234+0.860	Right	189,198	376,642	189,166	376,760	13-Aug-2003	A	B
1229	235+0.090	235+0.120	Right	189,095	377,118	189,089	377,162	13-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1230	235+0.220	235+0.460	Right	189,120	377,450	189,081	377,704	13-Aug-2003	A	B
1231	235+0.610	235+0.690	Right	189,018	377,937	188,988	378,055	13-Aug-2003	B	B
1232	236+0.190	236+0.250	Right	188,652	378,765	188,601	378,859	13-Aug-2003	B	B
1233	236+0.370	236+0.500	Right	188,572	379,040	188,605	379,247	13-Aug-2003	A	B
1234	236+0.590	236+0.650	Left	188,657	379,413	188,665	379,506	13-Aug-2003	B	B
1235	236+0.770	236+0.820	Left	188,642	379,695	188,617	379,774	13-Aug-2003	C	B
1236	236+0.900	237+0.110	Right	188,558	379,885	188,604	380,202	13-Aug-2003	A	B
1237	237+0.090	237+0.330	Left	188,640	380,236	188,562	380,580	13-Aug-2003	B	A
1238	237+0.110	237+0.530	Right	188,643	380,350	188,286	380,658	13-Aug-2003	A	A
1239	237+0.410	237+0.460	Left	188,462	380,634	188,308	380,658	13-Aug-2003	C	B
1240	237+0.900	238+0.120	Right	188,243	381,152	188,402	381,441	13-Aug-2003	B	B
1241	238+0.120	238+0.310	Right	188,400	381,449	188,398	381,754	13-Aug-2003	B	B
1243	238+0.540	238+0.700	Left	188,419	382,189	188,436	382,447	13-Aug-2003	C	B
1242	238+0.540	238+0.830	Right	188,394	382,212	188,427	382,579	13-Aug-2003	B	B
1244	238+0.960	239+0.040	Right	188,462	382,786	188,510	382,994	13-Aug-2003	C	B
1245	239+0.230	239+0.380	Right	188,596	383,274	188,689	383,510	13-Aug-2003	B	B
1246	239+0.520	239+0.830	Right	188,770	383,705	188,821	384,189	13-Aug-2003	B	B
1247	239+0.940	240+0.050	Left	188,792	384,359	188,738	384,552	13-Aug-2003	C	B
1248	240+0.070	240+0.200	Left	188,733	384,591	188,745	384,792	12-Aug-2003	C	B
1249	259+0.220	259+0.300	Left	183,996	413,941	184,029	413,925	12-Aug-2003	B	B
1250	259+0.230	259+0.300	Right	184,074	413,819	184,017	413,890	12-Aug-2003	C	B
1251	259+0.370	259+0.480	Right	183,913	413,968	183,751	414,014	12-Aug-2003	C	B
1252	259+0.530	259+0.700	Right	183,667	414,041	183,479	414,218	12-Aug-2003	C	B
1253	259+0.630	259+0.680	Left	183,560	414,151	183,513	414,212	12-Aug-2003	B	B
1254	259+0.800	259+0.870	Right	183,427	414,373	183,430	414,487	12-Aug-2003	C	B
1255	259+0.980	260+0.090	Right	183,489	414,656	183,570	414,818	12-Aug-2003	C	B
1256	260+0.130	260+0.210	Right	183,605	414,880	183,675	414,983	12-Aug-2003	A	B
1257	260+0.300	260+0.420	Right	183,754	415,100	183,821	415,286	12-Aug-2003	A	B
1258	260+0.450	260+0.660	Right	183,824	415,326	183,841	415,670	12-Aug-2003	A	A
1259	314+0.680	314+0.800	Left	155,840	488,917	155,765	489,094	06-Aug-2003	B	B
1260	315+0.070	315+0.190	Left	155,577	489,476	155,489	489,648	06-Aug-2003	A	A
1261	315+0.260	315+0.500	Left	155,439	489,752	155,516	490,124	06-Aug-2003	A	A
1262	315+0.670	315+0.730	Left	155,629	490,377	155,667	490,462	06-Aug-2003	B	B
1263	315+0.950	316+0.000	Left	155,804	490,780	155,833	490,855	06-Aug-2003	C	B
1264	316+0.980	317+0.360	Left	156,139	492,404	156,298	492,975	06-Aug-2003	A	A
1265	317+0.560	317+0.780	Left	156,385	493,279	156,338	493,643	06-Aug-2003	A	A
1266	320+0.760	320+0.840	Left	158,398	497,657	158,403	497,791	06-Aug-2003	A	A
1267	323+0.460	323+0.550	Left	157,342	501,619	157,366	501,747	06-Aug-2003	C	B
1268	350+0.690	350+0.890	Right	161,929	540,836	162,240	540,752	06-Aug-2003	A	A
1269	350+0.890	351+0.150	Right	162,239	540,752	162,625	540,596	06-Aug-2003	A	B
1270	353+0.170	353+0.350	Right	164,762	542,767	164,987	542,969	06-Aug-2003	A	A
Corridor:	C000093 E									
1271	000+0.360	000+0.420	Left	278,193	211,540	278,296	211,584	11-Aug-2003	B	B
1272	000+0.690	000+0.770	Left	278,702	211,638	278,810	211,613	11-Aug-2003	B	B
1273	000+0.830	000+0.870	Left	278,913	211,603	278,976	211,610	11-Aug-2003	A	A
1274	000+0.900	000+0.930	Left	279,039	211,612	279,088	211,615	11-Aug-2003	B	B
1275	001+0.060	001+0.260	Left	279,359	211,568	279,665	211,639	11-Aug-2003	A	A
1276	001+0.550	001+0.600	Left	280,093	211,457	280,177	211,441	11-Aug-2003	B	B
1277	002+0.860	002+0.900	Right	281,928	212,133	281,981	212,126	11-Aug-2003	B	A
1278	002+0.930	002+0.980	Right	282,038	212,134	282,096	212,177	11-Aug-2003	B	A
1279	003+0.030	003+0.080	Left	282,113	212,335	282,102	212,553	11-Aug-2003	A	A

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1280	003+0.080	003+0.210	Left	282,114	212,335	282,102	212,553	11-Aug-2003	B	B
1281	003+0.210	003+0.420	Left	282,103	212,553	282,342	212,746	11-Aug-2003	B	B
1282	006+0.370	006+0.400	Right	285,941	215,629	285,989	215,636	11-Aug-2003	C	B
1283	007+0.430	007+0.460	Left	287,538	215,876	287,581	215,895	11-Aug-2003	B	B
1284	008+0.060	008+0.120	Left	288,323	216,082	288,401	216,032	11-Aug-2003	B	B
1285	008+0.290	008+0.370	Left	288,655	216,030	288,741	216,109	11-Aug-2003	B	B
1286	009+0.700	009+0.760	Left	290,302	217,573	290,319	217,668	11-Aug-2003	B	A
1287	010+0.230	010+0.280	Left	290,273	217,420	290,315	217,482	11-Aug-2003	B	A
1288	010+0.600	010+0.660	Left	290,703	218,760	290,759	218,860	11-Aug-2003	B	A
1289	010+0.860	010+0.890	Left	290,980	219,067	290,999	219,119	11-Aug-2003	B	B
1290	011+0.050	011+0.230	Left	290,942	219,449	291,020	219,624	11-Aug-2003	B	A
1291	011+0.540	011+0.650	Left	291,490	219,690	291,628	219,822	11-Aug-2003	B	B
1292	012+0.430	012+0.480	Left	291,734	221,035	291,765	221,102	11-Aug-2003	B	A
1293	012+0.820	012+0.900	Left	291,910	221,576	291,883	221,687	11-Aug-2003	B	A
1294	012+0.900	012+0.940	Left	291,883	221,687	291,875	221,763	11-Aug-2003	B	B
1295	013+0.070	013+0.170	Left	291,886	221,962	291,929	222,125	11-Aug-2003	B	A
1296	013+0.460	013+0.580	Left	291,871	222,573	291,846	222,748	11-Aug-2003	B	A
1297	014+0.310	014+0.350	Left	292,529	223,710	292,549	223,759	11-Aug-2003	B	B
1298	014+0.640	014+0.870	Left	292,700	224,203	292,954	224,461	11-Aug-2003	B	B
1299	015+0.090	015+0.240	Left	292,912	225,690	292,972	225,023	11-Aug-2003	B	A
1300	015+0.430	015+0.490	Left	292,987	225,328	292,993	225,411	11-Aug-2003	C	B
1301	015+0.710	015+0.780	Left	292,886	225,731	292,846	225,838	11-Aug-2003	C	B
1302	016+0.550	016+0.630	Left	292,775	226,929	292,709	227,025	11-Aug-2003	B	B
1303	017+0.040	017+0.070	Left	292,308	227,558	292,278	227,604	11-Aug-2003	C	B
1304	018+0.110	018+0.200	Left	291,946	229,228	291,850	229,321	11-Aug-2003	B	A
1305	018+0.200	018+0.310	Left	291,850	229,321	291,752	229,471	11-Aug-2003	B	B
1306	021+0.830	022+0.030	Left	290,348	234,591	290,340	234,590	11-Aug-2003	B	B
Corridor:	C000094	E								
1307	043+0.530	043+0.560	Right	207,358	745,649	207,389	745,691	01-Aug-2003	C	B
1308	045+0.020	045+0.040	Right	208,947	747,384	208,966	747,404	01-Aug-2003	C	B
1309	055+0.270	055+0.340	Left	214,655	761,780	214,646	761,856	01-Aug-2003		B
1310	056+0.070	056+0.090	Left	214,512	763,020	214,503	763,052	01-Aug-2003	C	B
Corridor:	C000209	E								
1311	000+0.180	000+0.220	Right	433,071	259,607	433,101	259,672	30-Jul-2003	B	B
1312	000+0.190	000+0.250	Left	433,094	259,619	433,138	259,712	30-Jul-2003	B	B
1313	001+0.610	001+0.640	Right	433,111	261,810	433,089	261,867	30-Jul-2003	B	B
1314	002+0.060	002+0.130	Right	432,773	262,440	432,681	262,517	30-Jul-2003	B	B
Corridor:	C000210	E								
1315	004+0.460	004+0.670	Left	295,190	271,619	294,946	271,859	31-Jul-2003	A	B
1316	005+0.690	005+0.860	Left	293,799	273,005	293,608	273,201	31-Jul-2003	A	A
1317	008+0.530	008+0.610	Left	291,297	276,719	291,234	276,830	31-Jul-2003	C	B
Corridor:	C000228	E								
1318	021+0.700	021+0.740	Right	370,222	501,700	370,286	501,667	26-Aug-2003	B	B
1319	022+0.520	022+0.630	Left	371,245	502,140	371,313	502,302	26-Aug-2003	B	B
Corridor:	C000234	S								
1320	015+0.250	015+0.280	Left	455,679	587,563	455,564	587,550	24-Aug-2003		B
Corridor:	C000238	S								
1321	001+0.930	002+0.010	Left	310,422	606,758	310,293	606,772	31-Jul-2003	C	B
1322	002+0.240	002+0.300	Left	309,947	606,900	309,891	606,972	31-Jul-2003		B
1323	002+0.430	002+0.970	Left	309,830	607,170	309,565	607,998	31-Jul-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
Corridor:	C000271 N									
1324	004+0.970	005+0.110	Right	277,422	325,700	277,636	325,649	01-Aug-2003	A	B
1325	005+0.130	005+0.150	Left	277,628	325,643	277,656	325,641	01-Aug-2003	B	B
1326	005+0.150	005+0.190	Right	277,686	325,646	277,720	325,668	01-Aug-2003	B	B
1327	005+0.370	005+0.440	Left	278,005	325,701	278,108	325,700	01-Aug-2003	B	B
1328	005+0.590	005+0.670	Right	278,330	325,717	278,452	325,760	01-Aug-2003	A	B
1329	005+0.710	005+0.800	Left	278,497	325,817	278,559	325,842	01-Aug-2003	B	B
1330	005+0.830	005+0.910	Right	278,664	325,808	278,784	325,824	01-Aug-2003	B	B
1331	005+0.930	005+0.950	Left	278,821	325,844	278,860	325,846	01-Aug-2003	B	B
1332	006+0.000	006+0.040	Right	278,927	325,805	278,862	325,799	01-Aug-2003	A	B
1333	006+0.120	006+0.210	Left	279,079	325,729	279,219	325,714	01-Aug-2003	B	B
1334	006+0.240	006+0.270	Left	279,269	325,713	279,322	325,717	01-Aug-2003	B	B
Corridor:	C000278 W									
1335	012+0.570	012+0.750	Right	115,088	330,910	115,078	330,636	10-Aug-2003	C	B
1336	014+0.890	015+0.100	Right	114,561	327,527	114,359	327,280	10-Aug-2003	B	B
1337	015+0.180	015+0.380	Right	114,277	327,188	114,067	326,932	10-Aug-2003	B	B
1338	039+0.590	039+0.680	Right	128,653	297,711	128,734	297,577	10-Aug-2003	B	B
1339	039+0.850	039+0.970	Right	128,875	297,347	128,971	297,188	10-Aug-2003	B	B
Corridor:	C000279 N									
1340	004+0.190	004+0.400	Right	275,951	400,930	276,133	400,693	01-Aug-2003	C	B
1341	019+0.850	020+0.010	Right	294,228	385,663	294,384	385,472	17-Sep-2003	B	B
1342	020+0.020	020+0.250	Right	294,383	385,473	294,650	385,141	17-Sep-2003	B	B
1343	020+0.250	020+0.520	Right	294,650	385,141	294,943	384,873	17-Sep-2003	B	B
1344	021+0.460	021+0.870	Right	295,814	383,584	296,295	383,536	15-Aug-2003	A	B
1345	021+0.870	021+0.970	Right	296,293	383,536	296,471	383,520	15-Aug-2003	B	B
1346	027+0.500	027+0.560	Right	304,496	384,451	304,439	384,377	15-Aug-2003	A	B
1347	027+0.620	027+0.660	Right	304,384	384,288	304,413	384,242	15-Aug-2003	B	B
1348	027+0.690	027+0.750	Right	304,442	384,218	304,547	384,182	15-Aug-2003	B	B
1349	028+0.000	028+0.120	Right	304,585	384,175	304,775	384,157	15-Aug-2003	B	B
1350	028+0.170	028+0.450	Right	304,842	384,131	305,189	384,003	15-Aug-2003	B	B
1351	028+0.580	028064	Right	305,302	384,023	305,382	383,976	15-Aug-2003	B	B
1352	028+0.800	028+0.860	Right	305,635	383,940	305,714	383,945	15-Aug-2003	B	B
1353	028+0.920	028+0.970	Right	305,883	384,013	305,952	384,038	15-Aug-2003	B	B
1354	029+0.020	029+0.160	Right	306,027	384,050	306,231	384,097	15-Aug-2003	B	B
1355	029+0.240	029+0.320	Right	306,483	384,122	306,485	384,116	15-Aug-2003	C	B
1356	029+0.380	029+0.470	Right	306,540	384,056	306,428	383,975	15-Aug-2003	C	B
1357	029+0.540	029+0.630	Right	306,354	383,910	306,276	383,803	15-Aug-2003	C	B
1358	029+0.640	029+0.800	Right	306,269	383,782	306,359	383,549	15-Aug-2003	C	B
1359	029+0.870	029+0.980	Right	306,435	383,471	306,569	383,374	15-Aug-2003	C	B
1360	030+0.200	030+0.320	Right	306,672	383,096	306,694	382,915	15-Aug-2003	C	B
1361	030+0.640	030+0.820	Right	307,083	382,666	307,368	382,564	15-Aug-2003	C	B
1362	030+0.900	031+0.130	Right	307,474	382,511	307,801	382,543	15-Aug-2003	B	B
1363	031+0.190	031+0.450	Right	307,867	382,642	308,171	382,861	15-Aug-2003	B	B
1364	031+0.450	031+0.550	Right	308,171	382,861	308,122	383,016	15-Aug-2003	B	B
1365	031+0.660	031+0.720	Right	308,121	383,181	308,190	383,159	15-Aug-2003	B	B
1366	031+0.910	032+0.000	Right	308,424	382,963	308,599	382,892	15-Aug-2003	B	B
1367	032+0.000	032+0.190	Right	308,549	382,892	308,881	383,020	15-Aug-2003	B	B
1368	032+0.490	032+0.570	Right	308,845	382,791	308,699	382,708	13-Aug-2003	B	B
1369	032+0.880	032+0.950	Right	308,280	382,430	308,192	382,368	13-Aug-2003	B	B
1370	033+0.550	033+0.650	Right	307,857	381,544	307,875	381,406	13-Aug-2003	B	B
1371	035+0.930	035+0.990	Right	309,155	378,043	309,232	377,956	13-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
Corridor:	C000282	S								
1372	001+0.270	001+0.320	Right	255,350	412,344	255,170	412,318	31-Jul-2003	B	B
Corridor:	C000284	S								
1373	008+0.410	008+0.440	Left	268,224	429,870	268,256	429,870	31-Jul-2003	B	B
1374	008+0.430	008+0.510	Left	268,273	429,865	268,390	429,827	31-Jul-2003	B	A
1375	008+0.570	008+0.630	Left	268,457	429,786	268,524	429,722	31-Jul-2003	A	B
1377	008+0.630	008+0.660	Left	268,524	429,722	268,560	429,677	31-Jul-2003	A	B
1378	008+0.670	008+0.690	Left	268,565	429,671	268,595	429,641	31-Jul-2003	A	B
1379	008+0.700	008+0.740	Left	268,604	429,635	268,643	429,590	31-Jul-2003	A	B
1376	008+0.750	008+0.810	Left	268,654	429,577	268,722	429,514	31-Jul-2003	A	B
1380	008+0.830	008+0.890	Left	268,746	429,491	268,828	429,455	31-Jul-2003	A	A
1381	009+0.070	009+0.100	Left	269,009	429,697	268,993	429,712	31-Jul-2003	A	B
1382	009+0.170	009+0.270	Left	268,908	429,785	268,832	429,934	31-Jul-2003	A	A
1383	009+0.310	009+0.330	Left	268,822	429,993	268,825	429,995	31-Jul-2003	B	B
1384	009+0.350	009+0.390	Left	268,838	430,047	268,899	430,093	31-Jul-2003	B	B
1385	009+0.520	009+0.580	Left	269,062	430,154	269,055	430,144	31-Jul-2003	B	B
Corridor:	C000294	E								
1386	010+0.580	010+0.710	Right	236,569	513,573	236,712	513,734	30-Jul-2003	B	B
1387	015+0.220	015+0.260	Right	240,696	519,158	240,759	519,181	30-Jul-2003	B	A
1388	015+0.330	015+0.360	Right	240,850	519,275	240,866	519,316	30-Jul-2003	B	B
Corridor:	C000324	W								
1389	000+0.420	000+0.490	Right	89,282	335,095	89,348	335,037	10-Aug-2003	B	B
1390	001+0.590	001+0.770	Right	88,154	334,258	88,018	334,031	10-Aug-2003	C	B
1391	001+0.800	001+0.860	Right	88,018	333,979	88,032	333,888	10-Aug-2003	B	B
1392	002+0.040	002+0.090	Right	88,138	333,620	88,167	333,554	10-Aug-2003	B	B
1393	004+0.240	004+0.360	Right	87,322	330,658	87,169	330,559	10-Aug-2003	B	B
1394	004+0.480	004+0.520	Right	86,986	330,477	86,932	330,443	10-Aug-2003	B	B
1395	004+0.680	004+0.810	Right	86,698	330,299	86,558	330,177	10-Aug-2003	B	B
Corridor:	C000330	W								
1396	005+0.840	005+0.960	Left	349,561	453,641	349,359	453,503	21-Aug-2003		B
1397	012+0.200	012+0.300	Left	340,003	454,347	339,844	454,333	21-Aug-2003		B
1398	012+0.690	012+0.810	Left	338,911	453,959	338,735	453,992	21-Aug-2003		A
1399	012+0.850	013+0.150	Left	338,675	453,999	338,263	454,181	21-Aug-2003		A
1400	014+0.040	014+0.160	Left	339,896	454,336	339,708	454,292	21-Aug-2003		B
1401	014+0.740	015+0.230	Right	336,024	454,859	335,292	454,716	21-Aug-2003		A
1402	015+0.780	015+0.950	Right	334,626	455,296	334,467	455,495	21-Aug-2003		B
1403	016+0.480	016+0.610	Right	333,770	455,822	333,672	456,003	21-Aug-2003		B
1404	017+0.470	017+0.620	Right	333,204	456,791	332,998	456,683	21-Aug-2003		A
1405	017+0.790	017+0.930	Right	332,840	456,626	332,648	456,512	21-Aug-2003		B
1406	019+0.360	019+0.380	Right	331,059	455,712	331,071	455,675	21-Aug-2003		B
1407	019+0.440	019+0.470	Right	331,108	455,560	331,115	455,536	21-Aug-2003		A
1408	019+0.540	019+0.640	Right	331,126	455,426	331,101	455,261	21-Aug-2003		A
Corridor:	C000331	N								
1409	000+0.190	000+0.220	Left	349,251	490,850	349,259	490,884	26-Aug-2003	B	B
1410	000+0.240	000+0.480	Left	349,262	490,924	349,279	491,306	26-Aug-2003	B	A
1411	000+0.500	000+0.700	Left	349,290	491,322	349,314	491,643	26-Aug-2003	B	A
1412	000+0.760	000+0.820	Left	349,327	491,736	349,341	491,825	26-Aug-2003	B	B
1413	005+0.020	005+0.070	Left	355,538	492,737	355,636	492,762	26-Aug-2003	B	B
Corridor:	C000354	S								
1414	004+0.210	004+0.430	Right	388,280	248,138	387,521	248,118	06-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
Corridor:	C000357	S								
1415	005+0.760	005+0.980	Left	115,476	395,870	115,196	395,670	09-Aug-2003	A	B
1416	005+0.980	006+0.260	Left	115,238	395,692	114,769	395,684	09-Aug-2003	B	B
1417	006+0.320	006+0.450	Left	114,678	395,696	114,482	395,653	09-Aug-2003	B	B
1418	006+0.470	006+0.610	Left	114,456	395,630	114,268	395,486	09-Aug-2003	A	B
1419	006+0.730	006+0.890	Left	114,114	395,394	113,898	395,282	09-Aug-2003	B	B
1420	007+0.130	007+0.330	Left	113,502	395,225	113,267	395,408	09-Aug-2003	A	B
Corridor:	C000382	N								
1421	000+0.560	000+0.620	Left	359,459	216,954	359,528	216,998	08-Aug-2003	B	B
1422	000+0.980	001+0.330	Left	359,982	217,336	360,418	217,641	08-Aug-2003	B	B
1423	001+0.680	001+0.730	Left	360,904	217,807	361,006	217,847	08-Aug-2003	B	B
1424	001+0.850	001+0.910	Left	361,176	217,785	361,214	217,744	08-Aug-2003	B	B
1425	002+0.080	002+0.160	Left	361,505	217,709	361,630	217,709	08-Aug-2003	B	A
1426	002+0.090	002+0.130	Right	361,523	217,714	361,591	217,726	08-Aug-2003	B	B
1427	002+0.360	002+0.430	Left	361,917	217,567	362,024	217,552	08-Aug-2003	C	B
1428	002+0.670	002+0.750	Right	362,410	217,558	362,526	217,594	08-Aug-2003	C	B
1429	002+0.870	002+0.960	Right	362,699	217,542	362,768	217,415	08-Aug-2003	A	A
1430	003+0.800	003+0.840	Right	363,501	216,321	363,560	216,280	08-Aug-2003	B	B
1431	003+0.960	004+0.010	Right	363,744	216,264	363,833	216,267	08-Aug-2003	C	B
Corridor:	C000401	N								
1432	002+0.510	002+0.650	Left	172,275	652,168	172,457	652,061	02-Aug-2003	C	B
Corridor:	C000419	W								
1433	006+0.170	006+0.270	Left	132,162	596,069	132,145	595,898	04-Aug-2003	C	B
1434	006+0.780	006+0.890	Right	131,685	595,240	131,592	595,091	04-Aug-2003	C	B
1435	006+0.990	007+0.050	Right	131,580	594,920	131,576	594,833	04-Aug-2003	B	B
1436	007+0.160	007+0.350	Right	131,556	594,671	131,499	594,368	04-Aug-2003	C	A
1437	009+0.960	010+0.010	Right	130,408	590,382	130,385	590,312	04-Aug-2003	C	B
1438	010+0.180	010+0.450	Right	130,253	590,059	130,144	589,656	04-Aug-2003		B
1439	010+0.560	010+0.930	Right	130,147	589,482	130,126	588,890	04-Aug-2003	C	A
1440	011+0.370	011+0.600	Right	129,815	588,256	129,617	587,950	04-Aug-2003	B	B
1441	011+0.690	011+0.760	Right	129,538	587,833	129,474	587,738	04-Aug-2003	B	B
Corridor:	C000427	N								
1442	008+0.230	008+0.250	Right	330,227	506,728	330,263	506,715	11-Aug-2003	B	B
1443	008+0.390	008+0.430	Right	330,466	506,631	330,525	506,602	11-Aug-2003	B	B
1444	008+0.470	008+0.530	Right	330,609	506,574	330,680	506,513	11-Aug-2003	B	B
1445	008+0.660	008+0.700	Right	330,840	506,397	330,920	506,343	11-Aug-2003	B	B
1446	009+0.460	009+0.500	Right	331,828	505,623	331,882	505,598	11-Aug-2003	B	B
1447	010+0.170	010+0.240	Right	332,894	505,562	333,015	505,565	11-Aug-2003	B	B
1448	010+0.390	010+0.440	Left	333,253	505,614	333,330	505,648	11-Aug-2003	A	B
1449	011+0.590	011+0.660	Right	334,505	507,104	334,585	507,160	11-Aug-2003	C	B
1449	011+0.590	011+0.660	Right	334,505	507,104	334,585	507,160	11-Aug-2003	C	B
1450	011+0.870	011+0.910	Right	334,912	507,269	334,985	507,291	11-Aug-2003	A	B
Corridor:	C000434	N								
1451	000+0.260	000+0.320	Right	309,541	404,279	309,531	404,177	13-Aug-2003	C	B
1452	000+0.350	000+0.390	Right	309,524	404,070	309,516	404,066	13-Aug-2003	C	B
1453	000+0.480	000+0.500	Right	309,520	403,943	309,548	403,912	13-Aug-2003	C	B
1454	001+0.430	001+0.460	Right	310,506	402,813	310,539	402,769	13-Aug-2003	B	B
1455	003+0.690	003+0.770	Right	312,522	400,268	312,611	400,355	13-Aug-2003	C	B
1456	003+0.820	003+0.890	Right	312,684	400,411	312,767	400,460	13-Aug-2003	C	B
1457	003+0.940	003+0.960	Right	312,836	400,477	312,891	400,487	13-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1458	004+0.200	004+0.310	Left	313,207	400,596	313,370	400,648	13-Aug-2003	C	B
1459	013+0.580	013+0.630	Right	326,256	395,032	326,299	394,979	13-Aug-2003	C	B
1460	014+0.030	014+0.040	Right	326,691	394,524	326,723	394,489	13-Aug-2003	C	B
Corridor:	C000451	S								
1461	025+0.310	025+0.380	Left	105,242	765,721	105,129	765,688	01-Aug-2003	B	B
Corridor:	C000464	N								
1462	012+0.140	012+0.240	Right	502,030	334,076	502,120	333,950	12-Aug-2003	B	B
1463	033+0.480	033+0.710	Left	518,045	312,991	518,044	312,999	12-Aug-2003	B	B
Corridor:	C000466	S								
1464	000+0.710	000+0.850	Left	307,498	611,005	307,329	611,098	31-Jul-2003	C	B
1465	000+0.980	001+0.010	Left	307,116	611,121	307,041	611,143	31-Jul-2003	C	B
Corridor:	C000471	W								
1466	002+0.850	002+0.950	Right	386,427	157,985	386,376	157,820	04-Aug-2003	C	B
1467	003+0.330	003+0.350	Right	386,260	157,248	386,244	157,208	04-Aug-2003	C	B
1468	006+0.360	006+0.440	Right	385,170	152,656	385,173	152,553	04-Aug-2003	C	B
1469	006+0.380	006+0.400	Left	385,170	152,646	385,165	152,619	04-Aug-2003	C	B
1470	008+0.070	008+0.100	Right	384,745	150,079	384,697	150,037	04-Aug-2003	C	B
1471	008+0.930	008+0.960	Right	384,069	148,892	384,051	148,844	04-Aug-2003	C	B
1472	009+0.190	009+0.230	Right	383,952	148,489	383,940	148,415	04-Aug-2003	C	B
1473	009+0.300	009+0.360	Right	383,919	148,313	383,890	148,225	04-Aug-2003	C	B
1474	009+0.600	009+0.630	Right	383,775	147,859	383,759	147,811	04-Aug-2003	B	B
1475	009+0.630	009+0.700	Right	383,759	147,811	383,728	147,703	04-Aug-2003	B	B
1476	016+0.440	016+0.490	Left	386,844	139,090	386,950	139,050	04-Aug-2003	B	B
1477	017+0.140	017+0.190	Right	387,776	138,523	387,785	138,452	04-Aug-2003	B	B
1478	018+0.110	018+0.130	Right	387,622	136,999	387,616	136,971	04-Aug-2003	B	B
1479	018+0.220	018+0.290	Right	387,553	136,842	387,487	136,752	04-Aug-2003	C	B
1480	018+0.310	018+0.380	Right	387,475	136,728	387,436	136,624	04-Aug-2003	C	B
1481	018+0.380	018+0.470	Right	387,434	136,624	387,386	136,490	04-Aug-2003	C	A
Corridor:	C000472	N								
1482	000+0.130	000+0.180	Right	389,428	159,069	389,487	159,014	04-Aug-2003	C	B
1483	008+0.800	009+0.460	Right	402,232	157,310	403,174	156,872	04-Aug-2003		B
1484	009+0.470	009+0.520	Right	403,189	156,863	403,236	156,805	04-Aug-2003		B
1485	011+0.470	011+0.560	Right	405,358	155,053	405,298	154,934	04-Aug-2003		B
1486	017+0.280	017+0.430	Right	412,666	150,513	412,836	150,359	04-Aug-2003		B
1487	020+0.280	020+0.340	Right	415,543	147,151	415,591	147,106	04-Aug-2003		B
1488	020+0.380	020+0.460	Right	415,543	147,106	415,660	147,003	04-Aug-2003		B
1489	020+0.460	020+0.600	Right	415,660	147,003	415,797	146,835	04-Aug-2003		A
1490	020+0.630	020+0.730	Right	415,833	146,792	415,925	146,670	04-Aug-2003		A
1491	020+0.730	020+0.850	Right	415,923	146,668	416,044	146,515	04-Aug-2003		B
1492	020+0.900	020+0.970	Right	416,095	146,455	416,166	146,375	04-Aug-2003		B
1493	020+0.990	021+0.050	Right	416,191	146,342	416,247	146,276	04-Aug-2003		A
1494	021+0.050	021+0.290	Right	416,447	146,276	416,482	145,972	04-Aug-2003		B
1495	021+0.290	021+0.350	Right	416,482	145,972	416,556	145,915	04-Aug-2003		A
1496	021+0.350	021+0.450	Right	416,556	145,915	416,702	145,865	04-Aug-2003		B
1497	021+0.480	021+0.530	Right	416,760	145,851	416,833	145,834	04-Aug-2003		B
Corridor:	C000486	N								
1498	005+0.630	005+0.800	Right	476,236	255,000	476,228	255,033	11-Aug-2003	B	B
1499	007+0.160	007+0.280	Left	478,236	255,567	478,198	255,750	11-Aug-2003	B	B
1500	007+0.280	007+0.360	Left	478,198	255,750	478,171	255,877	11-Aug-2003	B	A
1501	010+0.940	011+0.030	Left	481,354	258,283	481,496	258,242	11-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1502	012+0.140	012+0.160	Left	483,097	257,534	483,189	257,444	14-Aug-2003	B	B
Corridor:	C000487	N								
1504	000+5.420	000+5.870	Right	479,545	241,448	480,008	240,944	14-Aug-2003	B	B
1505	000+5.870	000+6.120	Right	480,008	240,944	480,182	241,018	14-Aug-2003	B	B
1506	000+6.230	000+6.430	Left	480,405	240,552	480,230	240,814	14-Aug-2003	B	B
1507	000+6.430	000+6.540	Right	480,229	240,814	480,190	240,987	14-Aug-2003	B	B
1508	000+6.830	000+6.860	Left	480,391	241,289	480,393	241,323	14-Aug-2003	B	B
Corridor:	C000503	E								
1509	003+0.330	003+0.420	Left	446,803	239,002	446,765	239,138	30-Jul-2003	B	B
1510	003+0.790	004+0.000	Left	446,336	239,563	446,012	239,584	30-Jul-2003	B	B
Corridor:	C000507	E								
1511	000+0.060	000+0.140	Left	318,393	220,866	318,354	221,005	31-Jul-2003		B
1512	000+0.100	000+0.140	Right	318,363	220,962	318,343	221,006	31-Jul-2003		B
Corridor:	C000508	N								
1513	003+0.480	003+0.600	Left	504,590	126,746	504,714	126,814	05-Aug-2003	C	B
1514	003+0.600	003+0.740	Left	504,714	126,814	504,917	126,926	05-Aug-2003	C	B
1515	003+0.740	003+0.970	Left	504,916	126,926	505,194	127,176	05-Aug-2003	C	B
1516	004+0.000	004+0.070	Left	505,247	127,275	505,291	127,367	05-Aug-2003	C	B
1517	006+0.500	006+0.610	Left	507,826	130,080	508,002	130,091	05-Aug-2003	A	B
1518	006+0.620	006+0.920	Left	508,077	130,096	508,372	130,281	05-Aug-2003	A	A
1519	007+0.160	007+0.290	Left	508,638	130,493	508,827	130,589	05-Aug-2003	B	B
1520	007+0.810	007+0.920	Left	509,727	131,015	509,835	131,085	05-Aug-2003	B	B
1521	010+0.060	010+0.220	Left	512,383	132,223	512,883	132,031	05-Aug-2003	C	B
1522	016+0.970	017+0.030	Left	522,674	128,359	522,733	128,356	05-Aug-2003	C	B
1523	019+0.020	019+0.120	Left	525,013	129,811	525,175	129,877	05-Aug-2003	C	B
1524	019+0.510	019+0.690	Left	525,697	130,323	525,825	130,514	05-Aug-2003	C	B
1525	020+0.160	020+0.220	Left	526,015	131,173	526,052	131,253	05-Aug-2003	C	B
1526	020+0.860	020+0.960	Left	526,088	132,289	526,105	132,403	05-Aug-2003	C	B
1527	021+0.190	021+0.470	Left	526,307	132,729	526,591	133,069	05-Aug-2003	B	B
1528	022+0.240	022+0.260	Left	527,068	134,235	527,056	134,269	05-Aug-2003	A	B
1529	022+0.420	022+0.440	Left	526,972	134,501	526,960	134,536	05-Aug-2003	C	B
1530	022+0.940	022+0.990	Right	526,823	135,200	526,826	135,273	06-Aug-2003	A	B
1531	022+0.950	023+0.160	Left	526,841	135,171	527,022	135,404	06-Aug-2003	A	B
1532	023+0.160	023+0.210	Left	527,036	135,410	527,083	135,442	06-Aug-2003	A	B
1533	023+0.210	023+0.260	Left	527,086	135,442	527,134	135,495	06-Aug-2003	B	B
1534	023+0.300	023+0.360	Left	527,175	135,549	527,228	135,623	06-Aug-2003	A	B
1535	023+0.450	023+0.510	Left	527,245	135,774	527,224	135,872	06-Aug-2003	B	B
1536	024+0.340	024+0.410	Left	527,457	137,143	527,458	137,246	06-Aug-2003	B	B
1537	024+0.520	024+0.550	Left	527,447	137,415	527,446	137,468	06-Aug-2003	B	B
1538	024+0.940	025+0.040	Left	527,923	137,838	528,024	137,977	06-Aug-2003	C	B
1539	025+0.550	025+0.630	Left	528,076	138,670	528,025	138,785	06-Aug-2003	C	B
1540	025+0.670	025+0.720	Left	527,995	138,846	527,971	138,917	06-Aug-2003	C	B
1541	026+0.270	026+0.370	Left	527,704	139,684	527,668	139,835	06-Aug-2003	C	B
1542	026+0.390	026+0.420	Left	527,655	139,866	527,636	139,908	06-Aug-2003	C	B
1543	026+0.450	026+0.610	Left	527,614	139,948	527,562	140,193	06-Aug-2003	C	B
1544	027+0.100	027+0.210	Left	527,262	140,875	527,204	141,057	06-Aug-2003	C	B
1545	028+0.970	029+0.170	Left	526,960	143,717	527,003	144,035	06-Aug-2003	B	B
1546	029+0.380	029+0.430	Left	527,084	144,366	527,101	144,439	06-Aug-2003	B	B
Corridor:	C000540	N								
1547	002+0.530	002+0.680	Right	114,900	494,567	115,106	494,665	06-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1548	004+0.210	004+0.330	Right	117,273	495,920	117,428	496,030	06-Aug-2003	A	B
1549	004+0.330	004+0.460	Right	117,420	496,024	117,574	496,182	06-Aug-2003	A	A
1550	004+0.460	004+0.590	Right	117,574	496,182	117,701	496,328	06-Aug-2003	A	B
1551	010+0.110	010+0.490	Right	122,837	503,236	123,401	503,453	06-Aug-2003	B	B
1552	010+0.680	010+0.790	Right	123,675	503,592	123,757	503,737	06-Aug-2003	B	B
1553	024+0.110	024+0.130	Right	139,367	516,444	139,392	516,454	06-Aug-2003	B	B
1554	029+0.980	030+0.000	Right	148,133	517,012	148,181	517,025	06-Aug-2003	B	B
Corridor:	C000556	N								
1555	000+0.690	000+0.730	Left	386,659	169,369	386,714	169,397	07-Aug-2003	B	B
1556	000+0.750	000+0.780	Left	386,743	169,415	386,787	169,435	07-Aug-2003	B	B
1558	001+0.120	001+0.200	Left	387,227	169,735	387,350	169,801	07-Aug-2003	B	A
1557	001+0.120	001+0.140	Right	387,226	169,737	387,264	169,752	07-Aug-2003	C	B
1559	002+0.060	002+0.190	Left	388,400	170,697	388,537	170,835	07-Aug-2003	B	B
1560	002+0.650	002+0.710	Left	388,680	171,541	388,700	171,638	07-Aug-2003	B	B
1561	003+0.050	003+0.240	Left	388,870	172,156	389,011	172,402	07-Aug-2003	B	B
1562	004+0.010	004+0.150	Left	390,084	173,011	390,271	173,078	07-Aug-2003	B	A
Corridor:	C000567	N								
1563	005+0.740	005+0.800	Right	486,249	154,097	486,269	154,187	06-Aug-2003	A	B
1564	005+0.930	005+0.980	Right	486,339	154,391	486,365	154,463	06-Aug-2003	B	B
1565	008+0.010	008+0.040	Left	488,585	155,803	488,631	155,789	06-Aug-2003		B
1566	009+0.700	009+0.720	Left	490,979	155,454	491,007	155,439	06-Aug-2003		B
1567	010+0.920	010+0.940	Left	492,849	154,941	492,869	154,979	06-Aug-2003		B
1568	010+0.970	011+0.070	Left	492,891	155,023	493,014	155,113	06-Aug-2003		A
1569	012+0.330	012+0.390	Right	494,657	154,351	494,751	154,317	06-Aug-2003		B
1570	012+0.900	012+0.940	Right	495,560	154,041	495,621	154,025	06-Aug-2003		B
1571	013+0.130	013+0.200	Right	495,914	153,939	496,010	153,903	06-Aug-2003		B
1572	013+0.810	013+0.900	Right	496,632	153,148	496,712	153,088	06-Aug-2003		B
1573	014+0.690	014+0.720	Right	497,423	152,124	497,448	152,089	06-Aug-2003		B
1574	015+0.330	015+0.360	Right	498,059	151,365	498,101	151,331	06-Aug-2003		B
1575	015+0.400	015+0.530	Right	498,151	151,299	498,332	151,190	06-Aug-2003		B
1576	015+0.960	016+0.070	Right	498,749	150,686	498,895	150,572	06-Aug-2003		B
1577	018+0.200	018+0.240	Right	501,939	149,544	502,005	149,556	06-Aug-2003		B
1578	020+0.720	020+0.770	Left	504,950	147,602	505,029	147,613	06-Aug-2003		B
1579	021+0.060	021+0.110	Left	505,465	147,631	505,550	147,619	06-Aug-2003		A
1580	021+0.140	021+0.290	Left	505,589	147,612	505,824	147,633	06-Aug-2003		B
1581	021+0.330	021+0.360	Left	505,886	147,629	505,926	147,603	06-Aug-2003		A
1582	021+0.380	021+0.430	Left	505,958	147,595	506,036	147,599	06-Aug-2003		B
1583	021+0.430	021+0.480	Left	506,038	147,600	506,120	147,569	06-Aug-2003		A
1584	021+0.500	021+0.620	Left	506,155	147,555	506,334	147,589	06-Aug-2003		B
1585	021+0.870	021+0.950	Left	506,713	147,674	506,844	147,688	06-Aug-2003		B
1586	022+0.550	022+0.640	Left	507,698	147,480	507,837	147,481	06-Aug-2003		A
1587	022+0.840	022+0.940	Left	508,162	147,463	508,315	147,486	06-Aug-2003		A
1588	023+0.420	023+0.480	Left	509,041	147,714	509,133	147,739	06-Aug-2003		B
1589	023+0.800	023+0.870	Left	509,612	147,737	509,684	147,812	06-Aug-2003		B
1590	023+0.920	023+0.980	Left	509,674	147,899	509,685	147,938	06-Aug-2003		B
1591	028+0.580	026+0.620	Right	513,454	148,217	513,505	148,237	06-Aug-2003		B
Corridor:	C007603	N								
1592	006+0.640	006+0.770	Left	345,806	441,395	345,850	441,603	21-Aug-2003	B	A
Corridor:	C015516	E								
1593	000+0.200	000+0.360	Left	469,148	263,347	468,982	263,533	07-Aug-2003	C	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1594	000+0.710	000+0.840	Left	468,409	263,704	468,254	263,726	07-Aug-2003	C	B
1595	000+0.930	001+0.010	Left	468,117	263,796	468,028	263,866	07-Aug-2003	C	B
1596	001+0.120	001+0.170	Right	467,873	263,989	467,830	264,045	07-Aug-2003	C	B
1597	001+0.570	001+0.620	Right	467,336	264,460	467,275	264,474	07-Aug-2003	B	B
1598	001+0.720	001+0.760	Left	467,126	264,441	467,056	264,424	07-Aug-2003	B	B
1599	002+0.160	002+0.560	Left	466,485	264,203	465,967	264,487	07-Aug-2003	B	A
1600	002+0.430	002+0.470	Right	466,140	264,348	466,085	264,389	07-Aug-2003	B	B
1601	002+0.560	002+0.770	Left	465,967	264,487	465,666	264,630	07-Aug-2003	B	A
1602	003+0.100	003+0.150	Left	465,224	264,895	465,124	264,875	07-Aug-2003	B	B
1603	003+0.210	003+0.290	Left	465,012	264,873	464,884	264,905	07-Aug-2003	B	B
1604	003+0.390	003+0.770	Left	464,809	264,951	464,611	265,555	07-Aug-2003	B	B
1605	003+0.790	003+0.910	Left	464,604	265,590	464,538	265,738	07-Aug-2003	B	B
Corridor:	C018203	N								
1606	004+0.680	004+0.710	Right	478,495	321,998	478,528	321,991	12-Aug-2003	A	B
1607	004+0.740	004+0.790	Right	478,581	321,981	478,584	321,981	12-Aug-2003	C	B
1608	004+0.870	004+0.950	Right	478,759	321,894	478,865	321,813	12-Aug-2003	C	B
1609	004+0.980	005+0.020	Right	478,889	321,771	478,930	321,731	12-Aug-2003	C	B
1610	005+0.020	005+0.110	Right	478,930	321,731	479,055	321,687	12-Aug-2003	B	B
1611	005+0.130	005+0.210	Right	479,100	321,679	479,209	321,696	12-Aug-2003	C	B
1612	005+0.920	006+0.010	Right	480,188	321,308	480,353	321,198	12-Aug-2003	C	B
1613	006+0.070	006+0.140	Right	480,388	321,171	480,475	321,116	12-Aug-2003	C	B
1614	006+0.250	006+0.280	Right	480,596	321,016	480,621	320,990	12-Aug-2003	C	B
1615	006+0.280	006+0.300	Right	480,633	320,966	480,654	320,932	12-Aug-2003	C	B
1616	006+0.340	006+0.410	Right	480,679	320,877	480,752	320,805	12-Aug-2003	C	B
1617	006+0.470	006+0.550	Right	480,866	320,756	480,935	320,697	12-Aug-2003	C	B
1618	006+0.550	006+0.690	Right	480,935	320,697	481,066	320,532	12-Aug-2003	C	B
1619	006+0.720	006+0.740	Right	481,090	320,481	481,095	320,446	12-Aug-2003	C	A
1620	006+0.820	006+0.880	Right	481,162	320,344	481,186	320,261	12-Aug-2003	C	B
1621	006+0.900	006+0.920	Right	481,199	320,222	481,186	320,261	12-Aug-2003	B	B
1622	006+0.950	007+0.100	Right	481,243	320,134	481,403	320,047	12-Aug-2003	B	B
1623	007+0.180	007+0.220	Right	481,429	319,970	481,423	319,915	12-Aug-2003	C	B
1624	007+0.280	007+0.320	Right	481,447	319,836	481,484	319,774	12-Aug-2003	B	B
1625	007+0.400	007+0.470	Right	481,513	319,655	481,583	319,581	12-Aug-2003	B	B
1626	007+0.590	007+0.760	Right	481,684	319,440	481,910	319,321	12-Aug-2003	B	B
1627	007+0.890	007+0.950	Right	481,962	319,149	481,984	319,051	12-Aug-2003	C	B
1628	008+0.060	008+0.090	Right	482,118	318,958	482,165	318,937	12-Aug-2003	C	B
1629	008+0.200	008+0.240	Right	482,351	318,915	482,393	318,928	12-Aug-2003	C	B
1630	008+0.330	008+0.380	Right	482,521	318,915	482,593	318,931	12-Aug-2003	C	A
1631	008+0.450	008+0.500	Right	482,710	318,989	482,756	319,017	12-Aug-2003	B	B
1632	008+0.530	008+0.620	Right	482,808	319,053	482,951	319,065	12-Aug-2003	A	A
1633	008+0.640	008+0.750	Right	482,970	319,080	483,157	319,141	12-Aug-2003	A	A
1634	008+0.760	008+0.830	Right	483,157	319,139	483,337	319,121	12-Aug-2003	A	B
1635	008+0.880	009+0.120	Right	483,346	319,124	483,688	319,288	12-Aug-2003	A	A
1636	009+0.150	009+0.220	Right	483,731	319,281	483,821	319,330	12-Aug-2003	B	B
1637	009+0.220	009+0.370	Right	483,821	319,330	483,838	319,536	12-Aug-2003	B	A
1638	009+0.740	010+0.140	Right	483,704	319,981	483,996	320,371	12-Aug-2003	B	A
1639	010+0.240	010+0.280	Right	483,983	320,399	484,017	320,456	12-Aug-2003	A	B
1640	011+0.340	011+0.380	Right	484,249	321,247	484,270	321,284	12-Aug-2003	C	B
Corridor:	C020011	N								
1641	005+0.270	005+0.340	Right	280,091	314,670	280,175	314,637	13-Aug-2003	B	B
1642	005+0.800	005+0.930	Right	280,478	314,073	280,417	313,874	13-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1643	006+0.320	006+0.380	Right	280,245	313,217	280,245	313,217	13-Aug-2003	B	B
1644	006+0.450	006+0.550	Right	280,265	313,112	280,339	312,972	13-Aug-2003	B	B
1645	006+0.460	006+0.550	Left	280,268	313,103	280,339	312,972	13-Aug-2003	B	B
1646	007+0.800	007+0.920	Right	280,815	311,400	280,872	311,209	13-Aug-2003	A	A
1647	007+0.980	008+0.210	Right	280,919	311,109	281,199	310,811	13-Aug-2003	B	B
1648	008+0.260	008+0.330	Right	281,268	310,761	281,352	310,696	13-Aug-2003	B	B
1649	009+0.290	009+0.600	Right	281,156	309,375	281,370	308,938	13-Aug-2003	A	B
1650	009+0.820	009+0.920	Right	281,557	308,648	281,568	308,480	13-Aug-2003	B	B
1651	011+0.170	011+0.350	Right	280,521	306,837	280,331	306,626	13-Aug-2003	B	B
1652	011+0.730	011+0.830	Right	280,061	306,097	279,932	306,014	13-Aug-2003	B	B
1653	011+0.770	011+0.840	Left	280,006	306,064	279,914	306,004	13-Aug-2003	C	B
1654	011+0.880	011+0.920	Right	279,857	305,966	279,805	305,932	13-Aug-2003	B	B
1655	012+0.100	012+0.170	Right	279,565	305,775	279,486	305,708	13-Aug-2003	B	B
1656	012+0.480	012+0.610	Right	279,322	305,270	279,452	305,106	13-Aug-2003	B	B
1657	012+0.790	012+0.910	Right	279,720	305,037	279,911	305,005	13-Aug-2003	A	B
1658	012+0.910	012+0.950	Right	279,912	305,005	279,980	304,982	13-Aug-2003	B	B
1659	013+0.220	013+0.360	Right	280,317	304,725	280,412	304,535	13-Aug-2003	B	B
1660	013+0.540	013+0.580	Right	280,423	304,255	280,423	304,182	13-Aug-2003	B	B
1661	014+0.270	014+0.340	Right	280,402	303,091	280,328	303,010	13-Aug-2003		B
1662	015+0.180	015+0.280	Right	279,889	301,843	279,847	301,677	13-Aug-2003	B	B
1663	015+0.280	015+0.350	Right	279,847	301,677	279,819	301,576	13-Aug-2003	A	B
1664	015+0.420	015+0.550	Right	279,776	301,471	279,690	301,277	13-Aug-2003	A	B
1665	015+0.590	015+0.670	Right	279,666	301,210	279,631	301,092	13-Aug-2003		A
1666	015+0.760	016+0.020	Right	279,595	300,947	279,499	300,544	13-Aug-2003	A	A
1667	016+0.060	016+0.170	Right	279,499	300,474	279,558	300,318	13-Aug-2003	A	B
1668	016+0.200	016+0.520	Right	279,594	300,272	279,849	299,848	13-Aug-2003	A	B
Corridor:	C022244	E								
1849	000+0.510	000+0.540	Right	240,103	405,408	240,043	405,404			B
Corridor:	C022245	N								
1669	000+0.340	000+0.550	Left	241,374	406,120	241,616	406,191	04-Aug-2003		B
1670	002+0.460	002+0.520	Left	244,164	407,796	244,232	407,853	04-Aug-2003	B	B
Corridor:	C022249	N								
1850	003+0.070	003+0.190	Left	179,841	412,519	179,742	412,683	25-May-2004		A
1851	003+0.390	003+0.550	Left	179,560	412,934	179,312	412,937	25-May-2004	A	A
1852	003+0.550	003+0.680	Left	179,560	412,934	179,106	412,858	25-May-2004	A	A
1853	004+0.230	004+0.350	Left	178,365	412,949	178,342	413,129	25-May-2004	A	A
1854	005+0.020	005+0.080	Left	178,572	414,133	178,580	414,243	25-May-2004	A	A
1855	005+0.080	005+0.240	Left	178,579	414,244	178,587	414,486	25-May-2004	A	A
1856	005+0.270	005+0.360	Left	178,581	414,544	178,553	414,687	25-May-2004	A	B
1857	005+0.720	005+0.840	Left	178,317	415,185	178,169	415,298	25-May-2004	A	A
1858	005+0.970	006+0.000	Left	177,982	415,371	177,936	415,397	25-May-2004	B	B
1859	006+0.050	006+0.110	Left	177,864	415,428	177,772	415,477	25-May-2004	B	B
1860	006+0.530	006+0.610	Left	177,300	415,928	177,333	416,037	25-May-2004	B	B
1861	009+0.760	009+0.800	Left	176,737	420,987	176,736	421,046	25-May-2004	B	B
Corridor:	C022925	N								
1671	004+0.890	004+0.960	Right	247,648	409,151	247,754	409,212	04-Aug-2003	A	B
1672	005+0.670	005+0.730	Right	248,941	409,406	249,037	409,424	04-Aug-2003	B	B
1673	009+0.580	009+0.600	Right	254,132	412,332	254,188	412,319	04-Aug-2003	B	B
Corridor:	C031011	N								
1674	002+0.540	002+0.740	Right	363,978	156,903	364,019	156,607	09-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
Corridor:	C031070	E								
1862	000+0.090	000+0.140	Left	341,517	192,210	341,480	192,280	11-Jun-2004	B	B
1863	000+0.160	000+0.220	Left	341,465	192,319	341,424	192,414	11-Jun-2004	A	B
1864	000+0.250	000+0.370	Left	341,407	192,455	341,327	192,638	11-Jun-2004	A	B
1865	000+0.390	000+0.440	Left	341,317	192,663	341,283	192,742	11-Jun-2004		B
1866	000+0.510	000+0.640	Left	341,235	192,831	341,120	193,021	11-Jun-2004	A	A
1867	000+0.700	000+0.760	Left	341,082	193,100	341,035	193,180	11-Jun-2004		B
1868	006+0.890	006+1.030	Left	333,810	199,172	333,702	199,369	11-Jun-2004	A	B
1869	010+0.750	010+0.810	Left	328,224	200,808	328,148	200,869	11-Jun-2004	A	B
1870	011+0.480	011+0.860	Left	327,154	200,975	326,608	200,791	11-Jun-2004	A	A
Corridor:	C032200	E								
1675	000+0.430	000+0.610	Left	302,502	262,793	302,598	263,070	31-Jul-2003	A	B
Corridor:	C034448	E								
1676	004+0.990	005+0.040	Right	160,912	537,277	160,904	537,372	06-Aug-2003		A
1677	006+0.170	006+0.490	Right	160,702	539,161	160,676	539,668	06-Aug-2003	B	B
1678	006+0.490	006+0.750	Right	160,676	539,667	160,666	540,084	06-Aug-2003	A	A
Corridor:	C039092	E								
1679	000+0.720	001+0.040	Right	257,763	345,365	258,029	344,939	06-Aug-2003	A	B
1680	001+0.040	001+0.240	Right	258,029	344,939	258,337	344,923	06-Aug-2003	A	B
Corridor:	C039305	N								
1681	000+0.060	000+0.370	Left	266,024	337,608	265,742	338,026	06-Aug-2003		A
1682	000+0.140	000+0.170	Right	266,234	337,357	266,266	337,316	06-Aug-2003	A	B
Corridor:	C044303	N								
1683	000+0.560	000+0.600	Right	229,252	834,767	229,275	834,822	01-Aug-2003	A	A
1684	000+0.620	000+0.690	Right	229,286	834,846	229,333	834,959	01-Aug-2003	A	B
Corridor:	C047511	N								
1685	004+0.330	004+0.430	Right	164,989	351,313	165,142	351,300	11-Aug-2003	B	B
1686	006+0.600	006+0.650	Right	167,778	350,057	167,772	349,981	11-Aug-2003	B	B
1687	006+0.700	006+0.850	Right	167,760	349,901	167,876	349,713	11-Aug-2003	B	B
1688	006+0.860	006+0.900	Right	167,887	349,691	167,931	349,645	11-Aug-2003	B	B
1689	006+0.930	007+0.000	Right	167,951	349,603	168,005	349,506	11-Aug-2003	B	B
1690	007+0.520	007+0.690	Right	168,613	349,108	168,741	348,892	11-Aug-2003	B	B
1691	012+0.570	012+0.730	Right	175,586	349,362	175,802	349,514	11-Aug-2003	B	B
1692	013+0.180	013+0.280	Right	176,402	349,893	176,541	349,958	11-Aug-2003	B	B
Corridor:	C048244	E								
1694	001+0.050	001+0.080	Left	154,594	615,945	154,568	615,879	05-Aug-2003	B	B
1693	001+0.050	001+0.140	Right	154,594	615,945	154,534	615,800	05-Aug-2003	B	B
1695	001+0.200	001+0.260	Right	154,509	615,704	154,515	615,601	05-Aug-2003	A	B
1696	001+0.290	001+0.440	Right	154,526	615,564	154,604	615,335	05-Aug-2003	A	A
Corridor:	C048245	N								
1697	001+0.750	001+0.970	Left	153,628	622,876	153,498	622,712	05-Aug-2003	A	A
1698	002+0.010	002+0.070	Left	153,526	622,775	153,578	622,865	05-Aug-2003	A	B
1699	003+0.320	003+0.360	Left	152,249	624,228	152,201	624,261	05-Aug-2003	C	B
1700	003+0.390	003+0.480	Right	152,161	624,289	152,032	624,353	05-Aug-2003	C	B
1701	003+0.600	003+0.720	Left	151,856	624,345	151,661	624,423	05-Aug-2003	A	B
1702	003+0.850	003+0.930	Left	151,607	624,506	151,559	624,737	05-Aug-2003	A	B
1703	004+0.450	004+0.590	Left	151,177	625,478	151,071	625,669	05-Aug-2003	A	A
Corridor:	C081001	N								
1871	023+0.480	023+0.690	Right	148,419	350,452	148,682	350,662		A	A

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1872	024+0.210	024+0.410	Right	149,384	350,943	149,700	351,033		A	A
Corridor:	C081003 N									
1704	000+0.000	000+0.200	Right	300,302	400,434	300,581	400,486	20-Aug-2003	A	A
1705	000+0.200	000+0.380	Right	300,581	400,486	300,719	400,710	20-Aug-2003	A	B
1706	000+0.400	000+0.420	Right	300,739	400,724	300,818	400,727	20-Aug-2003		B
1707	000+0.500	000+0.550	Right	300,948	400,735	301,010	400,720	20-Aug-2003		B
1708	000+0.570	000+0.640	Right	301,047	400,696	301,100	400,609	20-Aug-2003	A	B
1709	000+0.800	000+0.910	Right	301,158	400,354	301,297	400,262	20-Aug-2003	A	A
1710	001+0.060	001+0.360	Right	301,531	400,261	301,983	400,216	20-Aug-2003	A	A
1711	001+0.710	001+0.890	Right	302,305	400,501	302,541	400,562	20-Aug-2003	B	A
1712	002+0.280	002+0.380	Right	302,994	400,963	303,054	401,115	20-Aug-2003	B	B
1713	002+0.380	002+0.440	Right	303,056	401,115	303,065	401,208	20-Aug-2003	B	A
1714	003+0.000	003+0.150	Right	303,707	401,778	303,828	401,989	20-Aug-2003	B	A
1715	003+0.460	003+0.480	Right	304,097	402,405	304,111	402,418	20-Aug-2003	A	B
1716	003+0.510	003+0.660	Right	304,155	402,464	304,334	402,617	20-Aug-2003	A	A
1717	003+0.780	003+0.900	Right	304,485	402,713	304,678	402,727	20-Aug-2003	A	A
1718	003+0.940	004+0.020	Right	304,748	402,731	304,906	402,757	20-Aug-2003	B	A
1719	004+0.540	004+0.650	Right	305,496	403,336	305,607	403,480	20-Aug-2003	B	B
1720	004+0.890	005+0.060	Right	305,878	403,693	306,128	403,714	20-Aug-2003	A	B
1721	005+0.450	005+0.530	Right	306,747	403,803	306,842	403,880	20-Aug-2003	A	A
1722	006+0.170	006+0.200	Right	307,719	404,192	307,759	404,176	20-Aug-2003	A	B
1723	006+0.230	006+0.360	Right	307,804	404,164	308,020	404,168	20-Aug-2003		B
1724	006+0.600	006+0.690	Right	308,388	404,255	308,528	404,234	20-Aug-2003		B
1725	007+0.000	007+0.100	Right	308,880	403,991	309,014	403,931	20-Aug-2003	B	B
1726	007+0.290	007+0.360	Right	309,319	403,966	309,379	404,040	20-Aug-2003	A	A
1727	007+0.560	007+0.660	Right	309,427	404,354	309,372	404,511	20-Aug-2003	B	B
1728	007+0.780	007+0.840	Right	309,287	404,679	309,241	404,766	20-Aug-2003	A	B
1729	008+0.050	008+0.130	Right	309,170	405,181	309,180	405,303	21-Aug-2003	A	B
1730	008+0.180	008+0.240	Right	309,201	405,391	309,218	405,473	21-Aug-2003	B	A
1731	008+0.250	008+0.290	Right	309,223	405,502	309,237	405,562	21-Aug-2003		B
1732	008+0.280	008+0.290	Left	309,234	405,546	309,237	405,562	21-Aug-2003	A	A
1733	012+0.920	013+0.040	Right	313,319	410,662	313,425	410,635	21-Aug-2003	A	A
1734	013+0.040	013+0.140	Right	313,425	410,635	313,565	410,602	21-Aug-2003	A	B
1735	013+0.140	013+0.180	Right	313,565	410,602	313,636	410,611	21-Aug-2003	A	A
1736	014+0.360	014+0.450	Right	314,347	412,462	314,405	412,596	21-Aug-2003	B	B
1737	015+0.750	015+0.780	Right	316,109	413,661	316,157	413,659	21-Aug-2003	B	B
1738	015+0.990	016+0.030	Right	316,495	413,633	316,543	413,635	21-Aug-2003	B	B
1739	017+0.150	017+0.390	Right	318,304	414,242	318,632	414,434	21-Aug-2003	B	B
1740	017+0.460	017+0.520	Right	318,739	414,456	318,840	414,457	21-Aug-2003	B	B
1741	017+0.540	017+0.600	Right	318,849	414,455	318,955	414,442	21-Aug-2003	A	B
1742	017+0.630	017+0.900	Right	318,998	414,434	319,405	414,326	21-Aug-2003	A	A
1743	017+0.920	018+0.010	Right	319,440	414,327	319,589	414,314	21-Aug-2003	A	B
1744	021+0.050	021+0.090	Right	322,517	417,130	322,479	417,188	21-Aug-2003	A	A
1745	021+0.160	021+0.190	Left	322,413	417,276	322,411	417,315	21-Aug-2003	B	B
1746	021+0.190	021+0.240	Right	322,411	417,315	322,393	417,397	21-Aug-2003	B	B
1747	021+0.300	021+0.310	Left	322,343	417,479	322,335	417,493	21-Aug-2003		B
1748	021+0.340	021+0.380	Right	322,310	417,536	322,277	417,587	21-Aug-2003		B
1749	021+0.960	021+0.980	Right	322,308	417,533	322,279	417,579	21-Aug-2003	A	B
1750	022+0.000	022+0.010	Right	321,743	418,449	321,743	418,470	21-Aug-2003	B	B
1751	022+0.040	022+0.120	Right	321,718	418,512	321,676	418,623	21-Aug-2003	A	B
1752	022+0.130	022+0.170	Right	321,668	418,639	321,645	418,707	21-Aug-2003	A	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1753	022+0.210	022+0.310	Right	321,636	418,775	321,633	418,925	21-Aug-2003	A	B
1754	022+0.340	022+0.640	Right	321,643	418,967	321,974	419,287	21-Aug-2003	A	B
1755	022+0.710	022+0.860	Right	322,073	419,310	322,329	419,345	21-Aug-2003	B	A
1756	022+0.860	023+0.220	Right	322,329	419,345	322,897	419,197	21-Aug-2003	A	A
1757	023+0.790	023+0.960	Right	322,780	420,020	322,686	420,271	21-Aug-2003	A	B
1758	024+0.000	024+0.100	Right	322,680	420,314	322,690	420,463	21-Aug-2003	A	A
1759	024+0.130	024+0.190	Right	322,692	420,522	322,727	420,611	21-Aug-2003	A	B
1760	024+0.220	024+0.300	Right	322,749	420,640	322,800	420,716	21-Aug-2003	A	B
1761	024+0.350	024+0.530	Right	322,887	420,804	323,132	420,971	21-Aug-2003	A	A
1762	024+0.580	024+0.770	Right	323,195	420,974	323,496	421,014	21-Aug-2003	A	B
1763	024+0.870	024+0.940	Right	323,645	421,061	323,745	421,133	21-Aug-2003	B	B
1764	027+0.550	027+0.740	Right	325,360	423,465	325,532	423,645	21-Aug-2003	B	A
1765	027+0.740	027+0.890	Right	325,532	423,645	325,697	423,815	21-Aug-2003	B	A
1766	028+0.020	028+0.150	Right	325,817	423,976	326,015	424,044	21-Aug-2003	B	B
1767	028+0.150	028+0.260	Right	326,015	424,044	326,169	424,039	21-Aug-2003	B	B
1768	028+0.320	028+0.500	Right	326,267	423,985	326,368	423,740	21-Aug-2003	B	A
1769	028+0.460	028+0.500	Left	326,352	423,788	326,368	423,740	21-Aug-2003		B
1770	029+0.040	029+0.070	Left	326,908	423,048	326,946	423,066	21-Aug-2003	B	B
1771	029+0.420	029+0.550	Left	327,378	423,422	327,381	423,634	21-Aug-2003	B	A
1772	029+0.800	029+0.850	Left	327,310	424,017	327,338	424,092	21-Aug-2003		B
1773	029+0.850	029+0.980	Left	327,338	424,092	327,485	424,238	21-Aug-2003		A
1774	032+0.860	032+0.890	Left	330,443	427,039	330,475	427,072	21-Aug-2003	B	B
1775	034+0.490	034+0.590	Left	332,693	428,032	332,823	428,106	21-Aug-2003	B	B
1776	036+0.200	036+0.360	Left	334,308	430,076	334,486	430,266	21-Aug-2003	B	B
Corridor:	C081008	E								
1777	000+0.430	000+0.540	Left	317,683	222,867	317,640	222,957	31-Jul-2003	A	B
1778	000+0.540	000+0.580	Left	317,640	222,957	317,642	223,128	31-Jul-2003	A	B
1779	000+0.920	000+0.940	Left	317,537	223,629	317,525	223,665	31-Jul-2003	B	B
1780	003+0.130	003+0.200	Left	317,439	226,544	317,523	226,606	31-Jul-2003	B	B
1781	003+0.920	003+0.940	Left	318,609	226,991	318,641	227,003	31-Jul-2003	B	B
1782	006+0.360	006+0.460	Left	319,948	229,378	319,830	229,482	31-Jul-2003	B	B
1783	006+0.360	006+0.460	Right	319,948	229,378	319,828	229,483	31-Jul-2003	B	B
1784	006+0.490	006+0.530	Left	319,797	229,530	319,772	229,576	31-Jul-2003	B	B
1785	006+0.730	006+0.860	Left	319,648	229,880	319,586	230,072	31-Jul-2003	B	B
1786	006+0.980	007+0.060	Left	319,596	230,270	319,621	230,401	31-Jul-2003	B	B
1787	007+0.000	007+0.040	Right	319,599	230,299	319,615	230,361	31-Jul-2003	B	B
Corridor:	C081013	N								
1788	001+0.780	001+0.960	Right	158,275	498,336	158,100	498,551	06-Aug-2003	A	A
1789	002+0.130	002+0.180	Right	157,914	498,759	157,888	498,828	06-Aug-2003	B	B
1790	004+0.070	004+0.190	Left	157,255	501,668	157,286	501,831	06-Aug-2003		B
1791	008+0.720	008+0.750	Left	157,250	508,846	157,238	508,907	06-Aug-2003		B
Corridor:	C081016	E								
1792	004+0.230	004+0.270	Left	166,847	687,146	166,812	687,184	02-Aug-2003	C	B
1793	007+0.660	007+0.670	Right	164,631	691,551	164,630	691,563	02-Aug-2003	C	B
Corridor:	C081024	E								
1794	005+0.970	006+0.050	Left	224,367	248,813	224,343	248,897	12-Aug-2003	B	A
1795	006+0.180	006+0.230	Left	224,254	249,026	224,215	249,085	12-Aug-2003	A	B
1796	006+0.540	006+0.610	Left	223,891	249,466	223,809	249,537	12-Aug-2003	B	B
1797	007+0.980	008+0.000	Left	222,675	251,471	222,663	251,505	12-Aug-2003	B	B
1798	008+0.750	008+0.800	Left	222,342	252,651	222,330	252,732	12-Aug-2003	B	B

Section No.	MP Start	MP End	Side	Start Northing	Start Easting	End Northing	End Easting	Rating Date	Maint. Rating	Prelim. Rating
1799	008+0.800	008+0.900	Left	222,331	252,732	222,307	252,888	12-Aug-2003	B	B
1800	008+0.980	009+0.040	Left	222,277	253,093	222,264	253,181	12-Aug-2003	B	B
1801	010+0.380	010+0.460	Left	221,865	255,309	221,905	255,431	12-Aug-2003	B	B
1802	011+0.180	011+0.230	Left	222,344	256,307	222,311	256,378	12-Aug-2003	C	B
1803	011+0.560	011+0.620	Left	222,147	256,886	222,152	256,969	12-Aug-2003	C	B
1804	011+0.680	011+0.790	Left	222,172	257,066	222,281	257,213	12-Aug-2003	C	B
1805	013+0.730	013+0.780	Left	223,439	260,011	223,500	260,058	12-Aug-2003		B
1806	013+0.880	013+0.930	Left	223,593	260,192	223,635	260,259	12-Aug-2003	A	A
1807	014+0.050	014+0.080	Left	223,752	260,459	223,792	260,459	12-Aug-2003	C	B
1808	014+0.320	014+0.350	Left	224,065	260,769	224,090	260,804	12-Aug-2003	C	B
1809	014+0.530	014+0.570	Left	224,282	261,020	224,309	261,043	12-Aug-2003		B
1810	014+0.820	014+0.920	Left	224,645	261,228	224,793	261,264	12-Aug-2003		A
1811	015+0.550	015+0.610	Left	225,270	262,093	225,286	262,174	12-Aug-2003		B
1812	031+0.210	031+0.320	Left	226,812	276,479	226,660	276,576	12-Aug-2003	B	B
1813	031+0.900	031+0.930	Left	227,471	276,704	227,517	276,712	12-Aug-2003	C	B
1814	032+0.020	032+0.120	Left	227,629	276,709	227,771	276,715	12-Aug-2003	B	B
1815	032+0.200	032+0.260	Left	227,905	276,682	227,991	276,678	12-Aug-2003	C	A
1816	032+0.890	033+0.060	Left	228,789	276,865	228,851	277,138	12-Aug-2003	C	B
1817	033+0.170	033+0.250	Left	228,875	277,308	228,886	277,433	12-Aug-2003	B	B
1818	033+0.300	033+0.420	Left	228,880	277,505	228,720	277,613	12-Aug-2003	C	B
1819	033+0.450	033+0.520	Left	228,678	277,623	228,646	277,710	12-Aug-2003	C	A
1820	033+0.640	033+0.720	Left	228,771	277,852	228,875	277,923	12-Aug-2003	C	B
1821	033+0.820	033+0.890	Left	229,002	278,023	229,090	278,097	12-Aug-2003	B	B
1822	033+0.890	033+0.970	Left	229,090	278,097	229,176	278,176	12-Aug-2003	B	B
1823	034+0.110	034+0.620	Left	229,344	278,313	229,730	279,031	12-Aug-2003	B	B
1824	034+0.670	034+0.740	Left	229,717	279,106	229,674	279,212	12-Aug-2003	B	A
1825	038+0.050	038+0.290	Right	229,991	284,514	229,985	284,545	12-Aug-2003	C	B
1826	038+0.580	038+0.620	Right	229,646	284,855	229,611	284,898	12-Aug-2003	C	B
1827	041+0.840	042+0.030	Left	227,623	289,512	227,427	289,745	12-Aug-2003	C	B
1828	042+0.030	042+0.180	Left	227,427	289,745	227,347	289,951	12-Aug-2003	C	B
1829	042+0.510	042+0.580	Left	226,870	290,136	226,777	290,185	12-Aug-2003	B	B
1830	042+0.640	042+0.730	Left	226,711	290,248	226,594	290,342	12-Aug-2003	B	B
1831	043+0.300	043+0.370	Left	225,897	290,870	225,818	290,946	12-Aug-2003	B	B
1832	043+0.790	043+0.850	Left	225,207	291,250	225,131	291,289	12-Aug-2003	B	B
1833	046+0.480	046+0.550	Left	222,622	294,548	222,641	294,666	12-Aug-2003	B	B
1834	046+0.770	046+0.870	Left	222,734	294,994	222,660	295,138	12-Aug-2003	B	B
1835	046+0.940	047+0.060	Left	222,607	295,236	222,597	295,417	12-Aug-2003	B	B
Corridor:	C081064 E									
1836	005+0.840	006+0.100	Right	115,928	454,893	116,187	454,597	07-Aug-2003	A	A
1837	006+0.240	006+0.380	Right	116,401	454,536	116,512	454,341	07-Aug-2003	A	B
1838	006+0.420	006+0.590	Right	116,508	454,279	116,572	454,024	07-Aug-2003	A	A
1839	006+0.670	006+0.710	Right	116,634	453,911	116,666	453,860	07-Aug-2003	B	B
1840	006+0.760	006+0.820	Right	116,723	453,808	116,806	453,741	07-Aug-2003	B	B
1841	007+0.270	007+0.350	Right	116,857	453,063	116,999	452,964	07-Aug-2003	A	B
1842	007+0.420	007+0.470	Right	117,106	452,916	117,190	452,868	07-Aug-2003	B	B
1843	007+0.620	007+0.920	Right	117,131	452,671	117,038	452,294	07-Aug-2003	B	B
1844	008+0.320	008+0.510	Right	117,279	451,898	117,089	451,768	07-Aug-2003		B

APPENDIX B

Detailed Rating Data

Note: Contains only data critical to generating the RHRS score. It does not include detailed rating comments. For those comments, please refer to the Oracle RHRS Database.

C000001 E **RHRS score 494** Rating date 26-May-2004
020+0.380 to 020+0.680 Section number 26 Posted speed 70

Slope height (ft)	213	Measured sight distance (ft)	750	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	68	Rock friction	Clay infilling / slickensided
Ditch score	70	Decision sight distance score	17	Rock friction score	81
AADT	2,825	Road width (ft)	39	Diff. erosion rates	
AADT year	2002	Road width score	6	Diff. erosion rates score	0
Section length (mi)	0.30	Annual rainfall (in. per year)	29	Diff. erosion features	
AVR percent	50	Rainfall score	24	Diff. erosion feat. score	0
AVR score	9	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000001 E **RHRS score 368** Rating date 26-May-2004
025+0.920 to 026+0.100 Section number 31 Posted speed 70

Slope height (ft)	142	Measured sight distance (ft)	620	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	56	Rock friction	Planar
Ditch score	27	Decision sight distance score	34	Rock friction score	55
AADT	2,928	Road width (ft)	41	Diff. erosion rates	
AADT year	2002	Road width score	5	Diff. erosion rates score	0
Section length (mi)	0.18	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	31	Rainfall score	19	Diff. erosion feat. score	0
AVR score	4	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000001 E **RHRS score 370** Rating date 26-May-2004
026+0.800 to 026+0.900 Section number 34 Posted speed 70

Slope height (ft)	146	Measured sight distance (ft)	1,30	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	118	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	1	Rock friction score	81
AADT	3,030	Road width (ft)	41	Diff. erosion rates	
AADT year	2002	Road width score	5	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	18	Rainfall score	19	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000001 E **RHRS score 499** Rating date 26-May-2004
026+0.900 to 027+0.020 Section number 35 Posted speed 70

Slope height (ft)	216	Measured sight distance (ft)	820	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	100
Ditch effectiveness	Limited	Percent decision sight distance	74	Rock friction	Clay infilling / slickensided
Ditch score	50	Decision sight distance score	13	Rock friction score	81
AADT	3,030	Road width (ft)	39	Diff. erosion rates	
AADT year	2002	Road width score	6	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	22	Rainfall score	19	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	15 /100	History score	27

C000001 E **RHRS score 447** Rating date 24-May-2004
059+0.600 to 059+0.700 Section number 52 Posted speed 70

Slope height (ft)	140	Measured sight distance (ft)	395	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Good	Percent decision sight distance	36	Rock friction	
Ditch score	3	Decision sight distance score	100	Rock friction score	0
AADT	1,335	Road width (ft)	41	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	5	Diff. erosion rates score	50
Section length (mi)	0.10	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	8	Rainfall score	16	Diff. erosion feat. score	45
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	60 /100	History score	27

C000001 E **RHRS score 364** Rating date 24-May-2004
081+0.930 to 082+0.000 Section number 59 Posted speed 70

Slope height (ft)	88	Measured sight distance (ft)	525	Structural condition	
Slope height score	48	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Good	Percent decision sight distance	48	Rock friction	
Ditch score	7	Decision sight distance score	52	Rock friction score	0
AADT	1,645	Road width (ft)	32	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	16	Diff. erosion rates score	65
Section length (mi)	0.07	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	16	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	50 /100	History score	9

C000001 E **RHRS score 440** Rating date 21-May-2004
154+0.860 to 155+0.000 Section number 76 Posted speed 70

Slope height (ft)	65	Measured sight distance (ft)	285	Structural condition	Continuous / adverse
Slope height score	18	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	26	Rock friction	Planar
Ditch score	60	Decision sight distance score	100	Rock friction score	27
AADT	1,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.14	Annual rainfall (in. per year)	33	Diff. erosion features	
AVR percent	12	Rainfall score	38	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	2 /2	History score	81

C000001 E **RHRS score 602** Rating date 21-May-2004
155+0.500 to 155+0.620 Section number 77 Posted speed 45

Slope height (ft)	124	Measured sight distance (ft)	238	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	35	Rock friction	Planar
Ditch score	75	Decision sight distance score	100	Rock friction score	20
AADT	1,475	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	16	Rainfall score	30	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	81

C000001 E **RHRS score 384** Rating date 21-May-2004
155+0.520 to 155+0.590 Section number 78 Posted speed 45

Slope height (ft)	74	Measured sight distance (ft)	510	Structural condition	Discontinuous / adverse
Slope height score	26	AASHTO sight distance (ft)	675	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	76	Rock friction	Planar
Ditch score	50	Decision sight distance score	11	Rock friction score	20
AADT	1,475	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	10	Rainfall score	30	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	81

C000001 E **RHRS score 489** Rating date 21-May-2004
155+0.700 to 155+0.800 Section number 79 Posted speed 70

Slope height (ft)	73	Measured sight distance (ft)	450	Structural condition	Continuous / adverse
Slope height score	25	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	41	Rock friction	Planar
Ditch score	40	Decision sight distance score	77	Rock friction score	27
AADT	1,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	9	Rainfall score	30	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	30 /100	History score	81

C000001 E **RHRS score 446** Rating date 21-May-2004
155+0.810 to 155+0.880 Section number 80 Posted speed 45

Slope height (ft)	101	Measured sight distance (ft)	700	Structural condition	Continuous / adverse
Slope height score	86	AASHTO sight distance (ft)	675	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	104	Rock friction	Planar
Ditch score	40	Decision sight distance score	2	Rock friction score	20
AADT	1,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	33	Diff. erosion features	
AVR percent	10	Rainfall score	38	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	40 /100	History score	81

C000001 E **RHRS score 390** Rating date 21-May-2004
155+0.880 to 156+0.000 Section number 81 Posted speed 45

Slope height (ft)	54	Measured sight distance (ft)	210	Structural condition	Continuous / adverse
Slope height score	11	AASHTO sight distance (ft)	675	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	31	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	20
AADT	1,475	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	33	Diff. erosion features	
AVR percent	23	Rainfall score	38	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	40 /100	History score	27

C000001 E		**RHRS score**	**363**	Rating date	21-May-2004
156+0.260 to 156+0.390		Section number	83	Posted speed	70
Slope height (ft)	61	Measured sight distance (ft)	585	Structural condition	Continuous / adverse
Slope height score	14	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	53	Rock friction	Planar
Ditch score	20	Decision sight distance score	40	Rock friction score	20
AADT	1,475	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	33	Diff. erosion features	
AVR percent	11	Rainfall score	38	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	30 /100	History score	27
C000001 E		**RHRS score**	**601**	Rating date	21-May-2004
156+0.600 to 156+0.730		Section number	85	Posted speed	35
Slope height (ft)	108	Measured sight distance (ft)	210	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	60	Decision sight distance score	81	Rock friction score	27
AADT	1,475	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	35	Diff. erosion features	
AVR percent	23	Rainfall score	47	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	40 /100	History score	81
C000001 E		**RHRS score**	**465**	Rating date	21-May-2004
156+0.970 to 157+0.180		Section number	87	Posted speed	70
Slope height (ft)	124	Measured sight distance (ft)	1,11	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	100
Ditch effectiveness	Good	Percent decision sight distance	100	Rock friction	Planar
Ditch score	8	Decision sight distance score	3	Rock friction score	40
AADT	1,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.21	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	18	Rainfall score	58	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	120 /100	History score	27
C000001 E		**RHRS score**	**461**	Rating date	21-May-2004
157+0.240 to 157+0.340		Section number	88	Posted speed	70
Slope height (ft)	76	Measured sight distance (ft)	650	Structural condition	Continuous / adverse
Slope height score	28	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	59	Rock friction	Planar
Ditch score	20	Decision sight distance score	29	Rock friction score	27
AADT	1,475	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	9	Rainfall score	58	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	100 /100	History score	81

C000001 E **RHRS score 478** Rating date 21-May-2004
157+0.920 to 158+0.040 Section number 90 Posted speed 70

Slope height (ft)	146	Measured sight distance (ft)	770	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	70	Rock friction	Planar
Ditch score	20	Decision sight distance score	16	Rock friction score	20
AADT	1,475	Road width (ft)	27	Diff. erosion rates	
AADT year	2002	Road width score	31	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	11	Rainfall score	58	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	120 /100	History score	81

C000001 E **RHRS score 645** Rating date 22-May-2004
158+0.470 to 158+0.640 Section number 94 Posted speed 70

Slope height (ft)	173	Measured sight distance (ft)	360	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	33	Rock friction	Clay infilling / slickensided
Ditch score	50	Decision sight distance score	100	Rock friction score	60
AADT	1,475	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	35	Diff. erosion features	
AVR percent	15	Rainfall score	47	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	150 /100	History score	81

C000001 E **RHRS score 394** Rating date 22-May-2004
158+0.960 to 159+0.050 Section number 95 Posted speed 70

Slope height (ft)	118	Measured sight distance (ft)	730	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	66	Rock friction	Planar
Ditch score	9	Decision sight distance score	19	Rock friction score	20
AADT	1,475	Road width (ft)	27	Diff. erosion rates	
AADT year	2002	Road width score	31	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	35	Diff. erosion features	
AVR percent	8	Rainfall score	47	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	40 /100	History score	27

C000001 E **RHRS score 384** Rating date 22-May-2004
159+0.600 to 159+0.650 Section number 96 Posted speed 70

Slope height (ft)	44	Measured sight distance (ft)	270	Structural condition	Continuous / adverse
Slope height score	7	AASHTO sight distance (ft)	1,105	Structural cond. score	75
Ditch effectiveness	Moderate	Percent decision sight distance	24	Rock friction	Undulating
Ditch score	9	Decision sight distance score	100	Rock friction score	9
AADT	1,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	35	Diff. erosion features	
AVR percent	4	Rainfall score	47	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	30 /100	History score	9

C000001 E — **RHRS score 430** — Rating date 20-Sep-2004
187+0.000 to 187+0.180 — Section number 113 — Posted speed 70

Slope height (ft)	127	Measured sight distance (ft)	700	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Good	Percent decision sight distance	63	Rock friction	
Ditch score	3	Decision sight distance score	23	Rock friction score	0
AADT	1,290	Road width (ft)	33	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	14	Diff. erosion rates score	81
Section length (mi)	0.18	Annual rainfall (in. per year)	39	Diff. erosion features	Many erosion features
AVR percent	14	Rainfall score	73	Diff. erosion feat. score	50
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	3

C000001 E — **RHRS score 394** — Rating date 05-Jul-2004
378+0.310 to 378+0.460 — Section number 120 — Posted speed 70

Slope height (ft)	166	Measured sight distance (ft)	675	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	20
Ditch effectiveness	Limited	Percent decision sight distance	61	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	26	Rock friction score	7
AADT	2,380	Road width (ft)	42	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	4	Diff. erosion rates score	50
Section length (mi)	0.15	Annual rainfall (in. per year)	11	Diff. erosion features	Many erosion features
AVR percent	21	Rainfall score	3	Diff. erosion feat. score	50
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	50

C000005 N — **RHRS score 356** — Rating date 10-Jun-2004
025+0.350 to 025+0.500 — Section number 128 — Posted speed 65

Slope height (ft)	68	Measured sight distance (ft)	350	Structural condition	Discontinuous / adverse
Slope height score	20	AASHTO sight distance (ft)	1,050	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	33	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	20
AADT	7,400	Road width (ft)	31	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	18	Diff. erosion rates score	81
Section length (mi)	0.15	Annual rainfall (in. per year)	17	Diff. erosion features	Major erosion features
AVR percent	71	Rainfall score	6	Diff. erosion feat. score	81
AVR score	23	Block size (ft) and score	2 /9	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000005 N — **RHRS score 365** — Rating date 19-Jul-2004
097+0.110 to 097+0.280 — Section number 154 — Posted speed 55

Slope height (ft)	78	Measured sight distance (ft)	559	Structural condition	Continuous / adverse
Slope height score	31	AASHTO sight distance (ft)	875	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	64	Rock friction	Planar
Ditch score	27	Decision sight distance score	22	Rock friction score	27
AADT	5,745	Road width (ft)	32	Diff. erosion rates	
AADT year	2002	Road width score	16	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	74	Rainfall score	8	Diff. erosion feat. score	0
AVR score	26	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000006 E **RHRS score 373** Rating date 26-May-2004
007+0.550 to 007+0.670 Section number 174 Posted speed 70

Slope height (ft)	133	Measured sight distance (ft)	890	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	81	Rock friction	Planar
Ditch score	15	Decision sight distance score	9	Rock friction score	50
AADT	1,110	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	41	Diff. erosion features	
AVR percent	8	Rainfall score	90	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000006 E **RHRS score 395** Rating date 26-May-2004
007+0.720 to 007+0.840 Section number 175 Posted speed 70

Slope height (ft)	137	Measured sight distance (ft)	1,10	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	100	Rock friction	Planar
Ditch score	15	Decision sight distance score	3	Rock friction score	20
AADT	1,110	Road width (ft)	27	Diff. erosion rates	
AADT year	2002	Road width score	31	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	41	Diff. erosion features	
AVR percent	8	Rainfall score	90	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000006 E **RHRS score 622** Rating date 13-Jun-2004
058+0.150 to 058+0.210 Section number 179 Posted speed 70

Slope height (ft)	130	Measured sight distance (ft)	250	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Planar
Ditch score	70	Decision sight distance score	100	Rock friction score	20
AADT	1,980	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	65
Section length (mi)	0.06	Annual rainfall (in. per year)	25	Diff. erosion features	Major erosion features
AVR percent	7	Rainfall score	16	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000006 E **RHRS score 491** Rating date 13-Jun-2004
058+0.300 to 058+0.360 Section number 181 Posted speed 70

Slope height (ft)	364	Measured sight distance (ft)	750	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	68	Rock friction	
Ditch score	27	Decision sight distance score	17	Rock friction score	0
AADT	1,980	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	27
Section length (mi)	0.06	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	16	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	0 /1	History score	81

C000006 E **RHRS score 565** Rating date 13-Jun-2004
058+0.360 to 058+0.440 Section number 182 Posted speed 70

Slope height (ft)	690	Measured sight distance (ft)	400	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	
Ditch score	27	Decision sight distance score	100	Rock friction score	0
AADT	1,980	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	27
Section length (mi)	0.08	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	9	Rainfall score	16	Diff. erosion feat. score	50
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000006 E **RHRS score 451** Rating date 13-Jun-2004
058+0.550 to 058+0.610 Section number 184 Posted speed 70

Slope height (ft)	130	Measured sight distance (ft)	430	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	39	Rock friction	Planar
Ditch score	20	Decision sight distance score	86	Rock friction score	20
AADT	1,980	Road width (ft)	24	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	47	Diff. erosion rates score	9
Section length (mi)	0.06	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	16	Diff. erosion feat. score	45
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	50 /100	History score	27

C000006 E **RHRS score 493** Rating date 12-Jun-2004
064+0.250 to 064+0.400 Section number 54 Posted speed 70

Slope height (ft)	629	Measured sight distance (ft)	480	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	Planar
Ditch score	27	Decision sight distance score	69	Rock friction score	20
AADT	1,980	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	18	Rainfall score	13	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000006 E **RHRS score 662** Rating date 12-Jun-2004
064+0.400 to 064+0.520 Section number 189 Posted speed 70

Slope height (ft)	167	Measured sight distance (ft)	320	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	
Ditch score	50	Decision sight distance score	100	Rock friction score	0
AADT	1,980	Road width (ft)	23	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	54	Diff. erosion rates score	81
Section length (mi)	0.12	Annual rainfall (in. per year)	23	Diff. erosion features	Major erosion features
AVR percent	14	Rainfall score	13	Diff. erosion feat. score	81
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000006 E **RHRS score 609** Rating date 12-Jun-2004
064+0.520 to 064+0.630 Section number 190 Posted speed 70

Slope height (ft)	179	Measured sight distance (ft)	450	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	41	Rock friction	Planar
Ditch score	81	Decision sight distance score	77	Rock friction score	20
AADT	1,980	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.11	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	13	Rainfall score	13	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000006 E **RHRS score 431** Rating date 13-Jun-2004
064+0.630 to 064+0.740 Section number 191 Posted speed 70

Slope height (ft)	159	Measured sight distance (ft)	650	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	30
Ditch effectiveness	Moderate	Percent decision sight distance	59	Rock friction	Planar
Ditch score	9	Decision sight distance score	29	Rock friction score	20
AADT	1,980	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.11	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	13	Rainfall score	13	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000006 E **RHRS score 351** Rating date 12-Jun-2004
068+0.050 to 068+0.110 Section number 195 Posted speed 70

Slope height (ft)	48	Measured sight distance (ft)	700	Structural condition	Continuous / adverse
Slope height score	8	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	63	Rock friction	Planar
Ditch score	70	Decision sight distance score	23	Rock friction score	20
AADT	1,980	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	7	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Few
		Fall volume (cy) and score	1 /1	History score	3

C000007 N **RHRS score 421** Rating date 11-Jun-2004
002+0.030 to 002+0.300 Section number 225 Posted speed 25

Slope height (ft)	133	Measured sight distance (ft)	255	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	68	Rock friction	
Ditch score	65	Decision sight distance score	17	Rock friction score	0
AADT	1,020	Road width (ft)	46	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	2	Diff. erosion rates score	45
Section length (mi)	0.27	Annual rainfall (in. per year)	41	Diff. erosion features	Many erosion features
AVR percent	46	Rainfall score	90	Diff. erosion feat. score	50
AVR score	8	Block size (ft) and score	2 /9	Rockfall history	Occasional
		Fall volume (cy) and score	8 /19	History score	25

C000007 N **RHRS score 465** Rating date 12-Jun-2004
002+0.890 to 003+0.320 Section number 229 Posted speed 25

Slope height (ft)	112	Measured sight distance (ft)	315	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	84	Rock friction	
Ditch score	55	Decision sight distance score	7	Rock friction score	0
AADT	1,020	Road width (ft)	46	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	2	Diff. erosion rates score	40
Section length (mi)	0.43	Annual rainfall (in. per year)	41	Diff. erosion features	Many erosion features
AVR percent	73	Rainfall score	90	Diff. erosion feat. score	40
AVR score	25	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	25

C000007 N **RHRS score 389** Rating date 12-Jun-2004
004+0.230 to 004+0.440 Section number 233 Posted speed 25

Slope height (ft)	88	Measured sight distance (ft)	200	Structural condition	Discontinuous / random
Slope height score	49	AASHTO sight distance (ft)	375	Structural cond. score	24
Ditch effectiveness	Limited	Percent decision sight distance	53	Rock friction	Planar
Ditch score	60	Decision sight distance score	40	Rock friction score	23
AADT	1,020	Road width (ft)	35	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	10	Diff. erosion rates score	60
Section length (mi)	0.21	Annual rainfall (in. per year)	37	Diff. erosion features	Many erosion features
AVR percent	36	Rainfall score	58	Diff. erosion feat. score	55
AVR score	5	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	7.5 /16	History score	25

C000007 N **RHRS score 504** Rating date 12-Jun-2004
004+0.480 to 005+0.080 Section number 235 Posted speed 65

Slope height (ft)	82	Measured sight distance (ft)	500	Structural condition	Continuous / adverse
Slope height score	37	AASHTO sight distance (ft)	1,050	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	48	Rock friction	Planar
Ditch score	40	Decision sight distance score	52	Rock friction score	60
AADT	1,020	Road width (ft)	35	Diff. erosion rates	
AADT year	2002	Road width score	10	Diff. erosion rates score	0
Section length (mi)	0.60	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	39	Rainfall score	58	Diff. erosion feat. score	0
AVR score	6	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	16 /100	History score	60

C000007 N **RHRS score 460** Rating date 12-Jun-2004
005+0.080 to 005+0.180 Section number 236 Posted speed 65

Slope height (ft)	130	Measured sight distance (ft)	800	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,050	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	76	Rock friction	
Ditch score	14	Decision sight distance score	11	Rock friction score	0
AADT	1,020	Road width (ft)	35	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	10	Diff. erosion rates score	55
Section length (mi)	0.10	Annual rainfall (in. per year)	35	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	47	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	81

C000007 N **RHRS score 415** Rating date 12-Jun-2004
005+0.180 to 005+0.740 Section number 237 Posted speed 65

Slope height (ft)	98	Measured sight distance (ft)	580	Structural condition	Discontinuous / adverse
Slope height score	74	AASHTO sight distance (ft)	1,050	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	55	Rock friction	Planar
Ditch score	55	Decision sight distance score	36	Rock friction score	40
AADT	1,020	Road width (ft)	35	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	10	Diff. erosion rates score	45
Section length (mi)	0.56	Annual rainfall (in. per year)	33	Diff. erosion features	Occ. erosion features
AVR percent	37	Rainfall score	38	Diff. erosion feat. score	25
AVR score	5	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	60

C000007 N **RHRS score 351** Rating date 12-Jun-2004
013+0.200 to 013+0.400 Section number 245 Posted speed 65

Slope height (ft)	124	Measured sight distance (ft)	325	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,050	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	31	Rock friction	Planar
Ditch score	12	Decision sight distance score	100	Rock friction score	27
AADT	1,390	Road width (ft)	39	Diff. erosion rates	
AADT year	2002	Road width score	6	Diff. erosion rates score	0
Section length (mi)	0.20	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	18	Rainfall score	6	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	4.5 /5	History score	21

C000007 N **RHRS score 371** Rating date 12-Jun-2004
014+0.090 to 014+0.220 Section number 247 Posted speed 65

Slope height (ft)	96	Measured sight distance (ft)	490	Structural condition	Discontinuous / adverse
Slope height score	69	AASHTO sight distance (ft)	1,050	Structural cond. score	45
Ditch effectiveness	Moderate	Percent decision sight distance	47	Rock friction	Undulating
Ditch score	15	Decision sight distance score	55	Rock friction score	25
AADT	1,740	Road width (ft)	39	Diff. erosion rates	
AADT year	2002	Road width score	6	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	14	Rainfall score	8	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	6 /9	History score	65

C000007 N **RHRS score 448** Rating date 12-Jun-2004
015+0.050 to 015+0.140 Section number 249 Posted speed 65

Slope height (ft)	226	Measured sight distance (ft)	330	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,050	Structural cond. score	70
Ditch effectiveness	Moderate	Percent decision sight distance	31	Rock friction	Planar
Ditch score	20	Decision sight distance score	100	Rock friction score	30
AADT	1,740	Road width (ft)	39	Diff. erosion rates	
AADT year	2002	Road width score	6	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	10	Rainfall score	8	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	65

C000007 N **RHRS score 406** Rating date 12-Jun-2004
017+0.830 to 017+0.900 Section number 254 Posted speed 45

Slope height (ft)	91	Measured sight distance (ft)	200	Structural condition	Discontinuous / random
Slope height score	54	AASHTO sight distance (ft)	675	Structural cond. score	20
Ditch effectiveness	Limited	Percent decision sight distance	30	Rock friction	Rough / irregular
Ditch score	60	Decision sight distance score	100	Rock friction score	8
AADT	1,740	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	55
Section length (mi)	0.07	Annual rainfall (in. per year)	17	Diff. erosion features	Occ. erosion features
AVR percent	11	Rainfall score	6	Diff. erosion feat. score	24
AVR score	2	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	55

C000008 E **RHRS score 451** Rating date 22-Jul-2004
005+0.230 to 005+0.360 Section number 269 Posted speed 70

Slope height (ft)	77	Measured sight distance (ft)	315	Structural condition	Discontinuous / adverse
Slope height score	29	AASHTO sight distance (ft)	1,105	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	Undulating
Ditch score	27	Decision sight distance score	100	Rock friction score	20
AADT	2,110	Road width (ft)	32	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	16	Diff. erosion rates score	50
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	16	Rainfall score	5	Diff. erosion feat. score	60
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	81

C000008 E **RHRS score 438** Rating date 22-Jul-2004
010+0.150 to 010+0.210 Section number 273 Posted speed 70

Slope height (ft)	111	Measured sight distance (ft)	525	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	85
Ditch effectiveness	Limited	Percent decision sight distance	48	Rock friction	Planar
Ditch score	27	Decision sight distance score	52	Rock friction score	35
AADT	2,110	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	8	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	30

C000008 E **RHRS score 397** Rating date 22-Jul-2004
018+0.500 to 018+0.610 Section number 277 Posted speed 70

Slope height (ft)	170	Measured sight distance (ft)	1,14	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Moderate	Percent decision sight distance	104	Rock friction	Planar
Ditch score	20	Decision sight distance score	2	Rock friction score	40
AADT	2,325	Road width (ft)	40	Diff. erosion rates	
AADT year	2002	Road width score	5	Diff. erosion rates score	0
Section length (mi)	0.11	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	15	Rainfall score	6	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	81

C000011 N **RHRS score 434** Rating date 07-Jun-2004
006+0.570 to 006+0.960 Section number 304 Posted speed 70

Slope height (ft)	204	Measured sight distance (ft)	1,30	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	25
Ditch effectiveness	Limited	Percent decision sight distance	118	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	1	Rock friction score	8
AADT	1,650	Road width (ft)	32	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	16	Diff. erosion rates score	50
Section length (mi)	0.39	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	38	Rainfall score	4	Diff. erosion feat. score	50
AVR score	5	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	15 /100	History score	81

C000011 N **RHRS score 654** Rating date 07-Jun-2004
013+0.320 to 013+0.660 Section number 307 Posted speed 70

Slope height (ft)	571	Measured sight distance (ft)	300	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	27	Rock friction	Rough / irregular
Ditch score	75	Decision sight distance score	100	Rock friction score	8
AADT	1,650	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	75
Section length (mi)	0.34	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	33	Rainfall score	4	Diff. erosion feat. score	85
AVR score	4	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	90

C000011 N **RHRS score 569** Rating date 07-Jun-2004
013+0.840 to 013+0.960 Section number 309 Posted speed 70

Slope height (ft)	110	Measured sight distance (ft)	275	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	25	Rock friction	Planar
Ditch score	70	Decision sight distance score	100	Rock friction score	40
AADT	1,650	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	12	Rainfall score	4	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	81

C000011 N **RHRS score 474** Rating date 07-Jun-2004
013+0.960 to 014+0.610 Section number 310 Posted speed 70

Slope height (ft)	138	Measured sight distance (ft)	375	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	34	Rock friction	
Ditch score	50	Decision sight distance score	100	Rock friction score	0
AADT	1,650	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	40
Section length (mi)	0.65	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	64	Rainfall score	4	Diff. erosion feat. score	55
AVR score	17	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	60

C000011 N **RHRS score 392** Rating date 07-Jun-2004
015+0.710 to 015+0.840 Section number 312 Posted speed 70

Slope height (ft)	98	Measured sight distance (ft)	760	Structural condition	Discontinuous / adverse
Slope height score	75	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	69	Rock friction	Undulating
Ditch score	40	Decision sight distance score	16	Rock friction score	24
AADT	1,650	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	13	Rainfall score	5	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	65

C000013 N **RHRS score 397** Rating date 08-Jun-2004
012+0.170 to 012+0.330 Section number 318 Posted speed 70

Slope height (ft)	126	Measured sight distance (ft)	1,40	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	127	Rock friction	
Ditch score	30	Decision sight distance score	1	Rock friction score	0
AADT	830	Road width (ft)	35	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	10	Diff. erosion rates score	50
Section length (mi)	0.16	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	8	Rainfall score	10	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	2.5 /2	History score	55

C000013 N **RHRS score 542** Rating date 24-May-2004
090+0.770 to 091+0.070 Section number 323 Posted speed 70

Slope height (ft)	235	Measured sight distance (ft)	480	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	85
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	Undulating
Ditch score	75	Decision sight distance score	69	Rock friction score	24
AADT	1,170	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	47	Diff. erosion rates score	27
Section length (mi)	0.30	Annual rainfall (in. per year)	11	Diff. erosion features	Occ. erosion features
AVR percent	21	Rainfall score	3	Diff. erosion feat. score	9
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	55

C000014 E **RHRS score 351** Rating date 20-Jul-2004
012+0.200 to 012+0.230 Section number 327 Posted speed 45

Slope height (ft)	38	Measured sight distance (ft)	148	Structural condition	Discontinuous / adverse
Slope height score	5	AASHTO sight distance (ft)	675	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	22	Rock friction	Rough / irregular
Ditch score	75	Decision sight distance score	100	Rock friction score	25
AADT	820	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.03	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	2	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Occasional
		Fall volume (cy) and score	4 /4	History score	25

C000014 E **RHRS score 356** Rating date 20-Jul-2004
013+0.320 to 013+0.360 Section number 329 Posted speed 45

Slope height (ft)	35	Measured sight distance (ft)	180	Structural condition	Continuous / adverse
Slope height score	5	AASHTO sight distance (ft)	675	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	27	Rock friction	Planar
Ditch score	70	Decision sight distance score	100	Rock friction score	27
AADT	820	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	3	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	25

C000014 E **RHRS score 357** Rating date 20-Jul-2004
013+0.800 to 013+0.830 Section number 330 Posted speed 45

Slope height (ft)	30	Measured sight distance (ft)	186	Structural condition	Discontinuous / adverse
Slope height score	4	AASHTO sight distance (ft)	675	Structural cond. score	80
Ditch effectiveness	Limited	Percent decision sight distance	28	Rock friction	Planar
Ditch score	65	Decision sight distance score	100	Rock friction score	35
AADT	510	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.03	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	1	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	20

C000014 E **RHRS score 403** Rating date 20-Jul-2004
015+0.220 to 015+0.270 Section number 337 Posted speed 45

Slope height (ft)	34	Measured sight distance (ft)	235	Structural condition	Discontinuous / adverse
Slope height score	5	AASHTO sight distance (ft)	675	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	35	Rock friction	Planar
Ditch score	60	Decision sight distance score	100	Rock friction score	27
AADT	510	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	2	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000014 E **RHRS score 352** Rating date 20-Jul-2004
019+0.370 to 019+0.400 Section number 353 Posted speed 45

Slope height (ft)	251	Measured sight distance (ft)	600	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	89	Rock friction	Planar
Ditch score	40	Decision sight distance score	5	Rock friction score	27
AADT	510	Road width (ft)	26	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	36	Diff. erosion rates score	9
Section length (mi)	0.03	Annual rainfall (in. per year)	23	Diff. erosion features	Few erosion features
AVR percent	1	Rainfall score	13	Diff. erosion feat. score	3
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	6 /9	History score	40

C000014 E **RHRS score 373** Rating date 20-Jul-2004
020+0.580 to 020+0.640 Section number 361 Posted speed 45

Slope height (ft)	190	Measured sight distance (ft)	994	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	25
Ditch effectiveness	Moderate	Percent decision sight distance	147	Rock friction	Rough / irregular
Ditch score	25	Decision sight distance score	0	Rock friction score	8
AADT	510	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	3	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	20 /100	History score	65

C000014 E **RHRS score 510** Rating date 20-Jul-2004
020+0.810 to 020+0.850 Section number 363 Posted speed 45

Slope height (ft)	66	Measured sight distance (ft)	132	Structural condition	Discontinuous / adverse
Slope height score	18	AASHTO sight distance (ft)	675	Structural cond. score	60
Ditch effectiveness	None	Percent decision sight distance	20	Rock friction	Planar
Ditch score	81	Decision sight distance score	100	Rock friction score	20
AADT	510	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	2	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	5 /6	History score	81

C000014 E **RHRS score 377** Rating date 01-Jul-2004
061+0.960 to 062+0.190 Section number 368 Posted speed 70

Slope height (ft)	110	Measured sight distance (ft)	414	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	45
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	Rough / irregular
Ditch score	35	Decision sight distance score	96	Rock friction score	3
AADT	415	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.23	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	6	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	55

C000014 E **RHRS score 385** Rating date 01-Jul-2004
140+0.750 to 140+0.980 Section number 372 Posted speed 70

Slope height (ft)	116	Measured sight distance (ft)	1,00	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Good	Percent decision sight distance	90	Rock friction	Rough / irregular
Ditch score	3	Decision sight distance score	5	Rock friction score	3
AADT	1,385	Road width (ft)	28	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	27	Diff. erosion rates score	81
Section length (mi)	0.23	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	19	Rainfall score	4	Diff. erosion feat. score	70
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	12

C000014 E **RHRS score 377** Rating date 01-Jul-2004
141+0.480 to 141+0.570 Section number 373 Posted speed 70

Slope height (ft)	144	Measured sight distance (ft)	1,10	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	20
Ditch effectiveness	Good	Percent decision sight distance	100	Rock friction	Rough / irregular
Ditch score	3	Decision sight distance score	3	Rock friction score	3
AADT	1,385	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	50
Section length (mi)	0.09	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	7	Rainfall score	4	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	27

C000014 E **RHRS score 506** Rating date 30-Jun-2004
164+0.210 to 164+0.390 Section number 374 Posted speed 70

Slope height (ft)	87	Measured sight distance (ft)	345	Structural condition	Discontinuous / favorabl
Slope height score	45	AASHTO sight distance (ft)	1,105	Structural cond. score	25
Ditch effectiveness	Limited	Percent decision sight distance	31	Rock friction	Planar
Ditch score	50	Decision sight distance score	100	Rock friction score	27
AADT	450	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	60
Section length (mi)	0.18	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	5	Rainfall score	4	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	65

C000014 E **RHRS score 615** Rating date 30-Jun-2004
165+0.460 to 165+0.520 Section number 375 Posted speed 70

Slope height (ft)	110	Measured sight distance (ft)	448	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	41	Rock friction	Planar
Ditch score	65	Decision sight distance score	77	Rock friction score	40
AADT	450	Road width (ft)	26	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	36	Diff. erosion rates score	81
Section length (mi)	0.06	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	2	Rainfall score	4	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	70

C000015 S **RHRS score 624** Rating date 09-Jun-2004
051+0.780 to 052+0.320 Section number 384 Posted speed 75

Slope height (ft)	308	Measured sight distance (ft)	320	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	75
Ditch effectiveness	Moderate	Percent decision sight distance	27	Rock friction	Planar
Ditch score	15	Decision sight distance score	100	Rock friction score	70
AADT	3,360	Road width (ft)	32	Diff. erosion rates	
AADT year	2002	Road width score	16	Diff. erosion rates score	0
Section length (mi)	0.54	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	101	Rainfall score	4	Diff. erosion feat. score	0
AVR score	84	Block size (ft) and score	2 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000015 S **RHRS score 520** Rating date 19-May-2004
157+0.770 to 157+0.930 Section number 408 Posted speed 45

Slope height (ft)	205	Measured sight distance (ft)	232	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	34	Rock friction	Planar
Ditch score	40	Decision sight distance score	100	Rock friction score	70
AADT	3,460	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.16	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	51	Rainfall score	8	Diff. erosion feat. score	0
AVR score	10	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	15 /100	History score	25

C000015 S **RHRS score 431** Rating date 19-May-2004
158+0.150 to 158+0.280 Section number 409 Posted speed 45

Slope height (ft)	182	Measured sight distance (ft)	335	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	70
Ditch effectiveness	Moderate	Percent decision sight distance	50	Rock friction	Planar
Ditch score	20	Decision sight distance score	47	Rock friction score	70
AADT	3,460	Road width (ft)	40	Diff. erosion rates	
AADT year	2002	Road width score	5	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	42	Rainfall score	8	Diff. erosion feat. score	0
AVR score	6	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	24

C000015 N **RHRS score 617** Rating date 07-Jun-2004
217+0.670 to 218+0.370 Section number 420 Posted speed 60

Slope height (ft)	147	Measured sight distance (ft)	508	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	90
Ditch effectiveness	Limited	Percent decision sight distance	51	Rock friction	Planar
Ditch score	27	Decision sight distance score	44	Rock friction score	80
AADT	3,530	Road width (ft)	35	Diff. erosion rates	
AADT year	2002	Road width score	10	Diff. erosion rates score	0
Section length (mi)	0.70	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	172	Rainfall score	4	Diff. erosion feat. score	0
AVR score	100	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	81

C000015 S **RHRS score 499** Rating date 16-Jun-2004
218+0.450 to 218+0.530 Section number 421 Posted speed 50

Slope height (ft)	256	Measured sight distance (ft)	212	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	90
Ditch effectiveness	Limited	Percent decision sight distance	28	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	35
AADT	3,530	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	24	Rainfall score	5	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	15

C000015 N **RHRS score 447** Rating date 07-Jun-2004
218+0.620 to 218+0.770 Section number 423 Posted speed 60

Slope height (ft)	105	Measured sight distance (ft)	435	Structural condition	Continuous / adverse
Slope height score	99	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	44	Rock friction	Planar
Ditch score	15	Decision sight distance score	65	Rock friction score	30
AADT	3,530	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	37	Rainfall score	4	Diff. erosion feat. score	0
AVR score	5	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	20 /100	History score	27

C000015 S **RHRS score 641** Rating date 16-Jun-2004
219+0.540 to 219+0.820 Section number 426 Posted speed 50

Slope height (ft)	105	Measured sight distance (ft)	270	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	45
AADT	3,530	Road width (ft)	30	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	21	Diff. erosion rates score	90
Section length (mi)	0.28	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	82	Rainfall score	4	Diff. erosion feat. score	81
AVR score	37	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	81

C000015 S **RHRS score 401** Rating date 16-Jun-2004
220+0.010 to 220+0.220 Section number 428 Posted speed 55

Slope height (ft)	145	Measured sight distance (ft)	699	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	28
Ditch effectiveness	Limited	Percent decision sight distance	80	Rock friction	Planar
Ditch score	27	Decision sight distance score	9	Rock friction score	35
AADT	3,530	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	27
Section length (mi)	0.21	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	56	Rainfall score	4	Diff. erosion feat. score	81
AVR score	12	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C000015 S **RHRS score 450** Rating date 16-Jun-2004
222+0.800 to 223+0.080 Section number 439 Posted speed 60

Slope height (ft)	171	Measured sight distance (ft)	665	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	90
Ditch effectiveness	Moderate	Percent decision sight distance	66	Rock friction	Planar
Ditch score	20	Decision sight distance score	19	Rock friction score	70
AADT	3,530	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	27
Section length (mi)	0.28	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	69	Rainfall score	4	Diff. erosion feat. score	50
AVR score	20	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	25

C000015 S **RHRS score 443** Rating date 15-Jun-2004
223+0.740 to 223+0.860 Section number 443 Posted speed 75

Slope height (ft)	105	Measured sight distance (ft)	340	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	45
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	Planar
Ditch score	45	Decision sight distance score	100	Rock friction score	27
AADT	3,530	Road width (ft)	31	Diff. erosion rates	
AADT year	2002	Road width score	18	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	24	Rainfall score	4	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	20

C000015 S **RHRS score 466** Rating date 15-Jun-2004
225+0.640 to 225+0.800 Section number 447 Posted speed 60

Slope height (ft)	112	Measured sight distance (ft)	504	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	50	Rock friction	
Ditch score	15	Decision sight distance score	47	Rock friction score	0
AADT	3,530	Road width (ft)	31	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	18	Diff. erosion rates score	81
Section length (mi)	0.16	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	39	Rainfall score	4	Diff. erosion feat. score	75
AVR score	6	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	20

C000015 S **RHRS score 538** Rating date 15-Jun-2004
226+0.980 to 227+0.230 Section number 448 Posted speed 75

Slope height (ft)	97	Measured sight distance (ft)	269	Structural condition	Continuous / adverse
Slope height score	72	AASHTO sight distance (ft)	1,185	Structural cond. score	90
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Planar
Ditch score	60	Decision sight distance score	100	Rock friction score	50
AADT	4,420	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.25	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	61	Rainfall score	3	Diff. erosion feat. score	0
AVR score	15	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	20 /100	History score	27

C000015 N **RHRS score 357** Rating date 10-Jun-2004
244+0.600 to 244+0.740 Section number 474 Posted speed 75

Slope height (ft)	159	Measured sight distance (ft)	952	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	80	Rock friction	Undulating
Ditch score	50	Decision sight distance score	9	Rock friction score	25
AADT	4,420	Road width (ft)	33	Diff. erosion rates	
AADT year	2002	Road width score	14	Diff. erosion rates score	0
Section length (mi)	0.14	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	34	Rainfall score	5	Diff. erosion feat. score	0
AVR score	5	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	40

C000015 N **RHRS score 415** Rating date 10-Jun-2004
244+0.760 to 244+0.930 Section number 475 Posted speed 75

Slope height (ft)	201	Measured sight distance (ft)	960	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	81	Rock friction	Undulating
Ditch score	45	Decision sight distance score	9	Rock friction score	25
AADT	4,420	Road width (ft)	33	Diff. erosion rates	
AADT year	2002	Road width score	14	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	42	Rainfall score	5	Diff. erosion feat. score	0
AVR score	6	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000015 N **RHRS score 358** Rating date 10-Jun-2004
244+0.990 to 245+0.040 Section number 479 Posted speed 75

Slope height (ft)	106	Measured sight distance (ft)	975	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	82	Rock friction	Undulating
Ditch score	50	Decision sight distance score	8	Rock friction score	25
AADT	4,420	Road width (ft)	33	Diff. erosion rates	
AADT year	2002	Road width score	14	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	12	Rainfall score	5	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	27

C000015 N **RHRS score 454** Rating date 10-Jun-2004
245+0.380 to 245+0.660 Section number 483 Posted speed 75

Slope height (ft)	143	Measured sight distance (ft)	509	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	20
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	Undulating
Ditch score	35	Decision sight distance score	69	Rock friction score	20
AADT	4,420	Road width (ft)	33	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	14	Diff. erosion rates score	55
Section length (mi)	0.28	Annual rainfall (in. per year)	15	Diff. erosion features	Major erosion features
AVR percent	69	Rainfall score	5	Diff. erosion feat. score	81
AVR score	21	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	35

C000015 S **RHRS score 456** Rating date 14-Jun-2004
250+0.790 to 250+0.920 Section number 488 Posted speed 75

Slope height (ft)	95	Measured sight distance (ft)	555	Structural condition	Discontinuous / adverse
Slope height score	66	AASHTO sight distance (ft)	1,185	Structural cond. score	35
Ditch effectiveness	Moderate	Percent decision sight distance	47	Rock friction	Planar
Ditch score	20	Decision sight distance score	55	Rock friction score	27
AADT	4,420	Road width (ft)	37	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	8	Diff. erosion rates score	81
Section length (mi)	0.13	Annual rainfall (in. per year)	17	Diff. erosion features	Major erosion features
AVR percent	32	Rainfall score	6	Diff. erosion feat. score	81
AVR score	4	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	100 /100	History score	35

C000019 N **RHRS score 394** Rating date 24-May-2004
027+0.460 to 027+0.550 Section number 500 Posted speed 40

Slope height (ft)	30	Measured sight distance (ft)	235	Structural condition	Continuous / adverse
Slope height score	4	AASHTO sight distance (ft)	600	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	39	Rock friction	Planar
Ditch score	90	Decision sight distance score	86	Rock friction score	35
AADT	1,060	Road width (ft)	24	Diff. erosion rates	Small difference
AADT year	2002	Road width score	47	Diff. erosion rates score	3
Section length (mi)	0.09	Annual rainfall (in. per year)	23	Diff. erosion features	Few erosion features
AVR percent	10	Rainfall score	13	Diff. erosion feat. score	3
AVR score	2	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	27

C000019 N **RHRS score 395** Rating date 24-May-2004
027+0.720 to 027+0.740 Section number 502 Posted speed 40

Slope height (ft)	60	Measured sight distance (ft)	422	Structural condition	Continuous / adverse
Slope height score	14	AASHTO sight distance (ft)	600	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	70	Rock friction	Planar
Ditch score	81	Decision sight distance score	16	Rock friction score	35
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.02	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	2	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	3 /3	History score	26

C000019 N **RHRS score 527** Rating date 24-May-2004
027+0.930 to 027+0.990 Section number 504 Posted speed 40

Slope height (ft)	87	Measured sight distance (ft)	176	Structural condition	Continuous / adverse
Slope height score	45	AASHTO sight distance (ft)	600	Structural cond. score	92
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	Planar
Ditch score	40	Decision sight distance score	100	Rock friction score	27
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	6	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	4 /4	History score	81

C000019 N **RHRS score 499** Rating date 24-May-2004
027+0.990 to 028+0.040 Section number 505 Posted speed 40

Slope height (ft)	110	Measured sight distance (ft)	374	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	600	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	62	Rock friction	Planar
Ditch score	81	Decision sight distance score	24	Rock friction score	35
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	5	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	2 /2	History score	90

C000019 N **RHRS score 684** Rating date 24-May-2004
027+0.990 to 028+0.440 Section number 506 Posted speed 40

Slope height (ft)	171	Measured sight distance (ft)	234	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	600	Structural cond. score	90
Ditch effectiveness	None	Percent decision sight distance	39	Rock friction	Planar
Ditch score	81	Decision sight distance score	86	Rock friction score	65
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.45	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	44	Rainfall score	13	Diff. erosion feat. score	0
AVR score	7	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	300 /100	History score	95

C000019 N **RHRS score 384** Rating date 24-May-2004
028+0.740 to 029+0.110 Section number 509 Posted speed 40

Slope height (ft)	94	Measured sight distance (ft)	337	Structural condition	Discontinuous / adverse
Slope height score	62	AASHTO sight distance (ft)	600	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	56	Rock friction	Planar
Ditch score	27	Decision sight distance score	34	Rock friction score	27
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.37	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	36	Rainfall score	13	Diff. erosion feat. score	0
AVR score	5	Block size (ft) and score	2 /9	Rockfall history	Constant
		Fall volume (cy) and score	4 /4	History score	90

C000019 N **RHRS score 436** Rating date 24-May-2004
029+0.510 to 029+0.560 Section number 514 Posted speed 30

Slope height (ft)	55	Measured sight distance (ft)	167	Structural condition	Continuous / adverse
Slope height score	11	AASHTO sight distance (ft)	450	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	Planar
Ditch score	70	Decision sight distance score	96	Rock friction score	27
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	6	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Constant
		Fall volume (cy) and score	3 /3	History score	81

C000019 N **RHRS score 452** Rating date 24-May-2004
029+0.580 to 029+0.910 Section number 516 Posted speed 30

Slope height (ft)	49	Measured sight distance (ft)	162	Structural condition	Discontinuous / random
Slope height score	9	AASHTO sight distance (ft)	450	Structural cond. score	15
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	Rough / irregular
Ditch score	50	Decision sight distance score	100	Rock friction score	25
AADT	930	Road width (ft)	24	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	47	Diff. erosion rates score	81
Section length (mi)	0.33	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	43	Rainfall score	10	Diff. erosion feat. score	40
AVR score	7	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	3 /3	History score	81

C000019 N **RHRS score 357** Rating date 24-May-2004
029+0.920 to 029+0.970 Section number 517 Posted speed 30

Slope height (ft)	84	Measured sight distance (ft)	389	Structural condition	Continuous / adverse
Slope height score	40	AASHTO sight distance (ft)	450	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	86	Rock friction	Planar
Ditch score	27	Decision sight distance score	6	Rock friction score	55
AADT	930	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	6	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Constant
		Fall volume (cy) and score	2 /2	History score	81

C000024 E **RHRS score 564** Rating date 20-Jul-2004
003+0.030 to 003+0.120 Section number 532 Posted speed 70

Slope height (ft)	420	Measured sight distance (ft)	330	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	30	Rock friction	
Ditch score	27	Decision sight distance score	100	Rock friction score	0
AADT	4,280	Road width (ft)	38	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	7	Diff. erosion rates score	60
Section length (mi)	0.09	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	23	Rainfall score	16	Diff. erosion feat. score	70
AVR score	3	Block size (ft) and score	3 /16	Rockfall history	Constant
		Fall volume (cy) and score	15 /100	History score	81

C000024 E **RHRS score 394** Rating date 23-Jul-2004
034+0.950 to 035+0.260 Section number 542 Posted speed 70

Slope height (ft)	150	Measured sight distance (ft)	955	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	9
Ditch effectiveness	Moderate	Percent decision sight distance	86	Rock friction	Undulating
Ditch score	9	Decision sight distance score	6	Rock friction score	9
AADT	2,300	Road width (ft)	34	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	12	Diff. erosion rates score	60
Section length (mi)	0.31	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	42	Rainfall score	10	Diff. erosion feat. score	60
AVR score	6	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	50

C000024 E **RHRS score 356** Rating date 23-Jul-2004
092+0.110 to 092+0.200 Section number 570 Posted speed 70

Slope height (ft)	81	Measured sight distance (ft)	315	Structural condition	
Slope height score	34	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	
Ditch score	27	Decision sight distance score	100	Rock friction score	0
AADT	1,410	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	30
Section length (mi)	0.09	Annual rainfall (in. per year)	23	Diff. erosion features	Many erosion features
AVR percent	8	Rainfall score	13	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000028 N **RHRS score 445** Rating date 04-Jun-2004
046+1.120 to 046+1.160 Section number 582 Posted speed 70

Slope height (ft)	60	Measured sight distance (ft)	475	Structural condition	Discontinuous / adverse
Slope height score	14	AASHTO sight distance (ft)	1,105	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	Planar
Ditch score	55	Decision sight distance score	69	Rock friction score	45
AADT	590	Road width (ft)	27	Diff. erosion rates	
AADT year	2002	Road width score	31	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	1	Rainfall score	19	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	60

C000028 N **RHRS score 442** Rating date 04-Jun-2004
047+0.080 to 047+0.180 Section number 584 Posted speed 30

Slope height (ft)	65	Measured sight distance (ft)	165	Structural condition	Discontinuous / adverse
Slope height score	17	AASHTO sight distance (ft)	450	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	Planar
Ditch score	60	Decision sight distance score	96	Rock friction score	35
AADT	590	Road width (ft)	24	Diff. erosion rates	Small difference
AADT year	2002	Road width score	47	Diff. erosion rates score	3
Section length (mi)	0.10	Annual rainfall (in. per year)	27	Diff. erosion features	Few erosion features
AVR percent	8	Rainfall score	19	Diff. erosion feat. score	3
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000028 N **RHRS score 472** Rating date 04-Jun-2004
047+0.200 to 047+0.360 Section number 585 Posted speed 40

Slope height (ft)	68	Measured sight distance (ft)	180	Structural condition	Discontinuous / adverse
Slope height score	20	AASHTO sight distance (ft)	600	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	30	Rock friction	Planar
Ditch score	65	Decision sight distance score	100	Rock friction score	45
AADT	590	Road width (ft)	24	Diff. erosion rates	Small difference
AADT year	2002	Road width score	47	Diff. erosion rates score	3
Section length (mi)	0.16	Annual rainfall (in. per year)	27	Diff. erosion features	Few erosion features
AVR percent	10	Rainfall score	19	Diff. erosion feat. score	3
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	70

C000028 N **RHRS score 647** Rating date 05-Jun-2004
047+0.630 to 047+0.920 Section number 588 Posted speed 25

Slope height (ft)	122	Measured sight distance (ft)	130	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	35	Rock friction	Planar
Ditch score	75	Decision sight distance score	100	Rock friction score	55
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	55
Section length (mi)	0.29	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	29	Rainfall score	19	Diff. erosion feat. score	50
AVR score	4	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	81

C000028 N **RHRS score 448** Rating date 05-Jun-2004
047+0.920 to 048+0.290 Section number 589 Posted speed 25

Slope height (ft)	74	Measured sight distance (ft)	145	Structural condition	
Slope height score	25	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	39	Rock friction	
Ditch score	65	Decision sight distance score	86	Rock friction score	0
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	55
Section length (mi)	0.37	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	36	Rainfall score	16	Diff. erosion feat. score	60
AVR score	5	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	65

C000028 N **RHRS score 410** Rating date 04-Jun-2004
048+0.530 to 048+0.580 Section number 591 Posted speed 25

Slope height (ft)	53	Measured sight distance (ft)	135	Structural condition	Discontinuous / adverse
Slope height score	10	AASHTO sight distance (ft)	375	Structural cond. score	45
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	Planar
Ditch score	55	Decision sight distance score	100	Rock friction score	40
AADT	590	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	54	Diff. erosion rates score	45
Section length (mi)	0.05	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	5	Rainfall score	19	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	3 /16	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	60

C000028 N **RHRS score 393** Rating date 04-Jun-2004
048+0.600 to 048+0.680 Section number 592 Posted speed 25

Slope height (ft)	42	Measured sight distance (ft)	140	Structural condition	Discontinuous / adverse
Slope height score	6	AASHTO sight distance (ft)	375	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	Planar
Ditch score	55	Decision sight distance score	96	Rock friction score	45
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	50
Section length (mi)	0.08	Annual rainfall (in. per year)	27	Diff. erosion features	Occ. erosion features
AVR percent	8	Rainfall score	19	Diff. erosion feat. score	20
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	50

C000028 N **RHRS score 421** Rating date 04-Jun-2004
049+0.020 to 049+0.190 Section number 595 Posted speed 25

Slope height (ft)	47	Measured sight distance (ft)	95	Structural condition	Discontinuous / adverse
Slope height score	8	AASHTO sight distance (ft)	375	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	25	Rock friction	Planar
Ditch score	55	Decision sight distance score	100	Rock friction score	22
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	40
Section length (mi)	0.17	Annual rainfall (in. per year)	25	Diff. erosion features	Occ. erosion features
AVR percent	17	Rainfall score	16	Diff. erosion feat. score	20
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	60

C000028 N **RHRS score 400** Rating date 04-Jun-2004
049+0.330 to 049+0.430 Section number 597 Posted speed 25

Slope height (ft)	282	Measured sight distance (ft)	350	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	24
Ditch effectiveness	Limited	Percent decision sight distance	93	Rock friction	Rough / irregular
Ditch score	55	Decision sight distance score	4	Rock friction score	12
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	40
Section length (mi)	0.10	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	10	Rainfall score	16	Diff. erosion feat. score	45
AVR score	2	Block size (ft) and score	3 /16	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	60

C000028 N **RHRS score 400** Rating date 04-Jun-2004
049+0.460 to 049+0.630 Section number 598 Posted speed 25

Slope height (ft)	67	Measured sight distance (ft)	160	Structural condition	
Slope height score	19	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	
Ditch score	45	Decision sight distance score	69	Rock friction score	0
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	45
Section length (mi)	0.17	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	17	Rainfall score	16	Diff. erosion feat. score	50
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	65

C000028 N **RHRS score 385** Rating date 04-Jun-2004
049+0.630 to 049+0.720 Section number 599 Posted speed 25

Slope height (ft)	70	Measured sight distance (ft)	140	Structural condition	Discontinuous / random
Slope height score	22	AASHTO sight distance (ft)	375	Structural cond. score	22
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	Planar
Ditch score	40	Decision sight distance score	96	Rock friction score	30
AADT	590	Road width (ft)	21	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	71	Diff. erosion rates score	20
Section length (mi)	0.09	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	9	Rainfall score	16	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	60

C000028 N **RHRS score 687** Rating date 04-Jun-2004
049+0.720 to 050+0.370 Section number 600 Posted speed 25

Slope height (ft)	561	Measured sight distance (ft)	155	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	41	Rock friction	Planar
Ditch score	75	Decision sight distance score	77	Rock friction score	65
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	75
Section length (mi)	0.65	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	64	Rainfall score	16	Diff. erosion feat. score	75
AVR score	17	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	81

C000028 N **RHRS score 597** Rating date 03-Jun-2004
050+0.390 to 050+0.500 Section number 601 Posted speed 25

Slope height (ft)	288	Measured sight distance (ft)	190	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	80
Ditch effectiveness	Limited	Percent decision sight distance	51	Rock friction	Planar
Ditch score	70	Decision sight distance score	44	Rock friction score	50
AADT	590	Road width (ft)	22	Diff. erosion rates	Small difference
AADT year	2002	Road width score	62	Diff. erosion rates score	3
Section length (mi)	0.11	Annual rainfall (in. per year)	27	Diff. erosion features	Few erosion features
AVR percent	11	Rainfall score	19	Diff. erosion feat. score	3
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	20 /100	History score	70

C000028 N **RHRS score 646** Rating date 03-Jun-2004
050+0.500 to 050+0.790 Section number 602 Posted speed 25

Slope height (ft)	125	Measured sight distance (ft)	150	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	70	Decision sight distance score	81	Rock friction score	40
AADT	590	Road width (ft)	0	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	100	Diff. erosion rates score	55
Section length (mi)	0.29	Annual rainfall (in. per year)	27	Diff. erosion features	Occ. erosion features
AVR percent	29	Rainfall score	19	Diff. erosion feat. score	25
AVR score	4	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	81

C000028 N **RHRS score 450** Rating date 03-Jun-2004
050+0.790 to 050+1.020 Section number 603 Posted speed 25

Slope height (ft)	83	Measured sight distance (ft)	230	Structural condition	Discontinuous / adverse
Slope height score	38	AASHTO sight distance (ft)	375	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	61	Rock friction	Planar
Ditch score	70	Decision sight distance score	26	Rock friction score	27
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	60
Section length (mi)	0.23	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	23	Rainfall score	19	Diff. erosion feat. score	60
AVR score	3	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	65

C000028 N **RHRS score 429** Rating date 03-Jun-2004
050+1.020 to 050+1.080 Section number 604 Posted speed 25

Slope height (ft)	94	Measured sight distance (ft)	250	Structural condition	
Slope height score	62	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	67	Rock friction	
Ditch score	70	Decision sight distance score	18	Rock friction score	0
AADT	590	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	47	Diff. erosion rates score	40
Section length (mi)	0.06	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	6	Rainfall score	19	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000028 N **RHRS score 647** Rating date 03-Jun-2004
050+1.080 to 050+1.250 Section number 605 Posted speed 25

Slope height (ft)	106	Measured sight distance (ft)	160	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	70
Ditch effectiveness	None	Percent decision sight distance	43	Rock friction	Planar
Ditch score	90	Decision sight distance score	69	Rock friction score	60
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	40
Section length (mi)	0.17	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	17	Rainfall score	19	Diff. erosion feat. score	55
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	85

C000028 N **RHRS score 379** Rating date 05-Jun-2004
050+1.500 to 050+1.540 Section number 608 Posted speed 25

Slope height (ft)	51	Measured sight distance (ft)	450	Structural condition	
Slope height score	9	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	120	Rock friction	
Ditch score	60	Decision sight distance score	1	Rock friction score	0
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	60
Section length (mi)	0.04	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	4	Rainfall score	19	Diff. erosion feat. score	55
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	6 /9	History score	65

C000028 N **RHRS score 411** Rating date 05-Jun-2004
050+1.630 to 050+1.770 Section number 611 Posted speed 25

Slope height (ft)	58	Measured sight distance (ft)	300	Structural condition	
Slope height score	13	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	80	Rock friction	
Ditch score	60	Decision sight distance score	9	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	60
Section length (mi)	0.14	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	14	Rainfall score	19	Diff. erosion feat. score	55
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	75

C000028 N **RHRS score 420** Rating date 05-Jun-2004
050+1.770 to 050+1.900 Section number 612 Posted speed 25

Slope height (ft)	50	Measured sight distance (ft)	240	Structural condition	Discontinuous / adverse
Slope height score	9	AASHTO sight distance (ft)	375	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	64	Rock friction	Planar
Ditch score	60	Decision sight distance score	22	Rock friction score	35
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	60
Section length (mi)	0.13	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	13	Rainfall score	19	Diff. erosion feat. score	65
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	65

C000028 N **RHRS score 614** Rating date 05-Jun-2004
050+1.940 to 050+1.960 Section number 614 Posted speed 25

Slope height (ft)	512	Measured sight distance (ft)	190	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	51	Rock friction	
Ditch score	72	Decision sight distance score	44	Rock friction score	0
AADT	590	Road width (ft)	20	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	81	Diff. erosion rates score	65
Section length (mi)	0.02	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	19	Diff. erosion feat. score	70
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	81

C000028 N **RHRS score 551** Rating date 05-Jun-2004
050+1.960 to 052+0.000 Section number 615 Posted speed 25

Slope height (ft)	291	Measured sight distance (ft)	295	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	75
Ditch effectiveness	None	Percent decision sight distance	79	Rock friction	Planar
Ditch score	81	Decision sight distance score	10	Rock friction score	50
AADT	590	Road width (ft)	20	Diff. erosion rates	
AADT year	2002	Road width score	81	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	4	Rainfall score	16	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Constant
		Fall volume (cy) and score	1 /1	History score	90

C000028 N **RHRS score 551** Rating date 05-Jun-2004
052+0.000 to 052+0.030 Section number 616 Posted speed 25

Slope height (ft)	472	Measured sight distance (ft)	450	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	120	Rock friction	
Ditch score	65	Decision sight distance score	1	Rock friction score	0
AADT	590	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	65
Section length (mi)	0.03	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	3	Rainfall score	16	Diff. erosion feat. score	75
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	85

C000028 N **RHRS score 668** Rating date 05-Jun-2004
052+0.030 to 052+0.220 Section number 617 Posted speed 25

Slope height (ft)	220	Measured sight distance (ft)	160	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	
Ditch score	75	Decision sight distance score	69	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	71	Diff. erosion rates score	81
Section length (mi)	0.19	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	19	Rainfall score	19	Diff. erosion feat. score	75
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	95

C000028 N **RHRS score 446** Rating date 05-Jun-2004
052+0.220 to 052+0.360 Section number 618 Posted speed 25

Slope height (ft)	43	Measured sight distance (ft)	150	Structural condition	
Slope height score	6	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	
Ditch score	60	Decision sight distance score	81	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	60
Section length (mi)	0.14	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	14	Rainfall score	19	Diff. erosion feat. score	55
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	65

C000028 N **RHRS score 419** Rating date 06-Jun-2004
052+0.360 to 052+0.460 Section number 619 Posted speed 25

Slope height (ft)	53	Measured sight distance (ft)	300	Structural condition	
Slope height score	10	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	80	Rock friction	
Ditch score	65	Decision sight distance score	9	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	60
Section length (mi)	0.10	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	10	Rainfall score	19	Diff. erosion feat. score	55
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Constant
		Fall volume (cy) and score	1 /1	History score	81

C000028 N **RHRS score 379** Rating date 06-Jun-2004
052+0.540 to 052+0.690 Section number 621 Posted speed 25

Slope height (ft)	77	Measured sight distance (ft)	300	Structural condition	
Slope height score	29	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	80	Rock friction	
Ditch score	50	Decision sight distance score	9	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	50
Section length (mi)	0.15	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	15	Rainfall score	16	Diff. erosion feat. score	55
AVR score	2	Block size (ft) and score	3 /16	Rockfall history	Constant
		Fall volume (cy) and score	5 /6	History score	81

C000028 N **RHRS score 431** Rating date 06-Jun-2004
052+0.690 to 052+0.890 Section number 622 Posted speed 25

Slope height (ft)	37	Measured sight distance (ft)	110	Structural condition	
Slope height score	5	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	
Ditch score	45	Decision sight distance score	100	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	50
Section length (mi)	0.20	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	20	Rainfall score	16	Diff. erosion feat. score	55
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	60

C000028 N **RHRS score 394** Rating date 06-Jun-2004
052+0.890 to 052+0.960 Section number 623 Posted speed 25

Slope height (ft)	45	Measured sight distance (ft)	215	Structural condition	
Slope height score	7	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	57	Rock friction	
Ditch score	55	Decision sight distance score	32	Rock friction score	0
AADT	590	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	60
Section length (mi)	0.07	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	16	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	55

C000028 N **RHRS score 427** Rating date 03-Jun-2004
053+0.280 to 053+0.450 Section number 626 Posted speed 25

Slope height (ft)	50	Measured sight distance (ft)	170	Structural condition	
Slope height score	9	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	45	Rock friction	
Ditch score	70	Decision sight distance score	62	Rock friction score	0
AADT	590	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	54	Diff. erosion rates score	55
Section length (mi)	0.17	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	17	Rainfall score	16	Diff. erosion feat. score	65
AVR score	2	Block size (ft) and score	2 /9	Rockfall history	Constant
		Fall volume (cy) and score	5 /6	History score	85

C000028 N **RHRS score 487** Rating date 03-Jun-2004
053+0.450 to 053+0.500 Section number 627 Posted speed 25

Slope height (ft)	47	Measured sight distance (ft)	250	Structural condition	Discontinuous / adverse
Slope height score	8	AASHTO sight distance (ft)	375	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	67	Rock friction	Planar
Ditch score	80	Decision sight distance score	18	Rock friction score	38
AADT	590	Road width (ft)	21	Diff. erosion rates	
AADT year	2002	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	5	Rainfall score	16	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	8 /19	History score	85

C000028 N **RHRS score 382** Rating date 03-Jun-2004
053+0.630 to 053+0.730 Section number 630 Posted speed 70

Slope height (ft)	55	Measured sight distance (ft)	775	Structural condition	
Slope height score	11	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	70	Rock friction	
Ditch score	70	Decision sight distance score	16	Rock friction score	0
AADT	590	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	65
Section length (mi)	0.10	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	4	Rainfall score	16	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	8 /19	History score	60

C000028 N **RHRS score 405** Rating date 03-Jun-2004
053+0.770 to 053+0.980 Section number 631 Posted speed 25

Slope height (ft)	69	Measured sight distance (ft)	200	Structural condition	
Slope height score	21	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	53	Rock friction	
Ditch score	55	Decision sight distance score	40	Rock friction score	0
AADT	590	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	60
Section length (mi)	0.21	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	21	Rainfall score	19	Diff. erosion feat. score	65
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	8 /19	History score	65

C000028 N **RHRS score 394** Rating date 03-Jun-2004
054+0.010 to 054+0.170 Section number 632 Posted speed 25

Slope height (ft)	113	Measured sight distance (ft)	225	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	60	Rock friction	
Ditch score	25	Decision sight distance score	27	Rock friction score	0
AADT	590	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	35
Section length (mi)	0.16	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	16	Rainfall score	19	Diff. erosion feat. score	65
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	55

C000028 N **RHRS score 365** Rating date 06-Jun-2004
054+0.550 to 054+0.620 Section number 634 Posted speed 70

Slope height (ft)	62	Measured sight distance (ft)	775	Structural condition	
Slope height score	15	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	70	Rock friction	
Ditch score	45	Decision sight distance score	16	Rock friction score	0
AADT	590	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	65
Section length (mi)	0.07	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	19	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	65

C000028 N **RHRS score 359** Rating date 06-Jun-2004
054+0.890 to 055+0.010 Section number 636 Posted speed 70

Slope height (ft)	67	Measured sight distance (ft)	1,10	Structural condition	
Slope height score	19	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	100	Rock friction	
Ditch score	40	Decision sight distance score	3	Rock friction score	0
AADT	590	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	50
Section length (mi)	0.12	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	4	Rainfall score	19	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	50

C000028 N **RHRS score 466** Rating date 06-Jun-2004
055+0.750 to 055+0.870 Section number 642 Posted speed 35

Slope height (ft)	134	Measured sight distance (ft)	325	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	62	Rock friction	Planar
Ditch score	60	Decision sight distance score	24	Rock friction score	40
AADT	590	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	70
Section length (mi)	0.12	Annual rainfall (in. per year)	25	Diff. erosion features	Occ. erosion features
AVR percent	8	Rainfall score	16	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	8 /19	History score	81

C000028 N **RHRS score 447** Rating date 06-Jun-2004
055+0.880 to 055+0.980 Section number 643 Posted speed 45

Slope height (ft)	187	Measured sight distance (ft)	325	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	48	Rock friction	
Ditch score	50	Decision sight distance score	52	Rock friction score	0
AADT	590	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	40
Section length (mi)	0.10	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	5	Rainfall score	16	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	60

C000028 N **RHRS score 412** Rating date 06-Jun-2004
055+1.040 to 056+0.070 Section number 645 Posted speed 45

Slope height (ft)	109	Measured sight distance (ft)	575	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	85	Rock friction	
Ditch score	50	Decision sight distance score	7	Rock friction score	0
AADT	590	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	65
Section length (mi)	1.03	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	56	Rainfall score	16	Diff. erosion feat. score	40
AVR score	12	Block size (ft) and score	3 /16	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	65

C000028 N **RHRS score 392** Rating date 06-Jun-2004
056+0.070 to 056+0.160 Section number 646 Posted speed 45

Slope height (ft)	113	Measured sight distance (ft)	575	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	60
Ditch effectiveness	Moderate	Percent decision sight distance	85	Rock friction	Planar
Ditch score	25	Decision sight distance score	7	Rock friction score	50
AADT	590	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	40
Section length (mi)	0.09	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	5	Rainfall score	16	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	8 /19	History score	65

C000029 N **RHRS score 594** Rating date 21-May-2004
068+0.490 to 068+0.610 Section number 674 Posted speed 70

Slope height (ft)	95	Measured sight distance (ft)	550	Structural condition	Continuous / adverse
Slope height score	65	AASHTO sight distance (ft)	1,105	Structural cond. score	95
Ditch effectiveness	Limited	Percent decision sight distance	50	Rock friction	Planar
Ditch score	75	Decision sight distance score	47	Rock friction score	60
AADT	630	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	4	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	100

C000029 N **RHRS score 522** Rating date 21-May-2004
068+0.490 to 068+0.630 Section number 675 Posted speed 70

Slope height (ft)	84	Measured sight distance (ft)	475	Structural condition	Continuous / adverse
Slope height score	40	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	Planar
Ditch score	70	Decision sight distance score	69	Rock friction score	60
AADT	630	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.14	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	5	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	15 /100	History score	50

C000029 N **RHRS score 417** Rating date 21-May-2004
068+0.970 to 069+0.130 Section number 678 Posted speed 70

Slope height (ft)	87	Measured sight distance (ft)	250	Structural condition	Continuous / adverse
Slope height score	45	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Planar
Ditch score	55	Decision sight distance score	100	Rock friction score	60
AADT	630	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.16	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	6	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /16	Rockfall history	Few
		Fall volume (cy) and score	2 /2	History score	8

C000029 N **RHRS score 366** Rating date 21-May-2004
071+0.740 to 071+0.830 Section number 690 Posted speed 70

Slope height (ft)	52	Measured sight distance (ft)	800	Structural condition	Continuous / adverse
Slope height score	10	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	72	Rock friction	Planar
Ditch score	37	Decision sight distance score	14	Rock friction score	70
AADT	630	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	35
Section length (mi)	0.09	Annual rainfall (in. per year)	17	Diff. erosion features	Occ. erosion features
AVR percent	3	Rainfall score	6	Diff. erosion feat. score	22
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	25

C000029 N **RHRS score 440** Rating date 21-May-2004
071+0.900 to 072+0.030 Section number 691 Posted speed 35

Slope height (ft)	52	Measured sight distance (ft)	210	Structural condition	Continuous / adverse
Slope height score	10	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	55	Decision sight distance score	81	Rock friction score	75
AADT	630	Road width (ft)	25	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	41	Diff. erosion rates score	18
Section length (mi)	0.13	Annual rainfall (in. per year)	17	Diff. erosion features	Occ. erosion features
AVR percent	10	Rainfall score	6	Diff. erosion feat. score	20
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C000029 N **RHRS score 579** Rating date 20-May-2004
076+0.070 to 076+0.140 Section number 705 Posted speed 35

Slope height (ft)	132	Measured sight distance (ft)	105	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	20	Rock friction	Planar
Ditch score	100	Decision sight distance score	100	Rock friction score	45
AADT	960	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	8	Rainfall score	8	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	2 /2	History score	9

C000029 N **RHRS score 436** Rating date 20-May-2004
076+0.160 to 076+0.480 Section number 706 Posted speed 35

Slope height (ft)	45	Measured sight distance (ft)	95	Structural condition	Discontinuous / adverse
Slope height score	7	AASHTO sight distance (ft)	525	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	18	Rock friction	Planar
Ditch score	78	Decision sight distance score	100	Rock friction score	45
AADT	960	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	45
Section length (mi)	0.32	Annual rainfall (in. per year)	19	Diff. erosion features	Many erosion features
AVR percent	37	Rainfall score	8	Diff. erosion feat. score	40
AVR score	5	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	70

C000029 N **RHRS score 486** Rating date 20-May-2004
076+0.850 to 077+0.030 Section number 711 Posted speed 35

Slope height (ft)	73	Measured sight distance (ft)	88	Structural condition	Continuous / adverse
Slope height score	25	AASHTO sight distance (ft)	525	Structural cond. score	85
Ditch effectiveness	Limited	Percent decision sight distance	17	Rock friction	Planar
Ditch score	70	Decision sight distance score	100	Rock friction score	70
AADT	960	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	30
Section length (mi)	0.18	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	21	Rainfall score	6	Diff. erosion feat. score	30
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	70

C000033 N **RHRS score 522** Rating date 03-Jun-2004
017+0.010 to 017+0.140 Section number 734 Posted speed 70

Slope height (ft)	327	Measured sight distance (ft)	240	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	100
Ditch effectiveness	Moderate	Percent decision sight distance	22	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	100	Rock friction score	81
AADT	370	Road width (ft)	60	Diff. erosion rates	
AADT year	2002	Road width score	1	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	3	Rainfall score	16	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	6 /100	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	3

C000033 N **RHRS score 540** Rating date 03-Jun-2004
017+0.610 to 018+0.010 Section number 737 Posted speed 70

Slope height (ft)	118	Measured sight distance (ft)	330	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	30	Rock friction	
Ditch score	27	Decision sight distance score	100	Rock friction score	0
AADT	370	Road width (ft)	38	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	7	Diff. erosion rates score	81
Section length (mi)	0.40	Annual rainfall (in. per year)	25	Diff. erosion features	Major erosion features
AVR percent	9	Rainfall score	16	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000033 N **RHRS score 398** Rating date 04-Jun-2004
025+0.910 to 026+0.430 Section number 748 Posted speed 70

Slope height (ft)	75	Measured sight distance (ft)	350	Structural condition	Continuous / adverse
Slope height score	27	AASHTO sight distance (ft)	1,105	Structural cond. score	70
Ditch effectiveness	Moderate	Percent decision sight distance	32	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	100	Rock friction score	65
AADT	370	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.52	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	11	Rainfall score	8	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	6 /100	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000033 N **RHRS score 421** Rating date 04-Jun-2004
030+0.260 to 030+0.500 Section number 753 Posted speed 45

Slope height (ft)	183	Measured sight distance (ft)	300	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	100
Ditch effectiveness	Good	Percent decision sight distance	44	Rock friction	Planar
Ditch score	3	Decision sight distance score	65	Rock friction score	27
AADT	370	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.24	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	8	Rainfall score	8	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000033 N **RHRS score 410** Rating date 04-Jun-2004
030+0.500 to 030+0.560 Section number 754 Posted speed 45

Slope height (ft)	141	Measured sight distance (ft)	500	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	74	Rock friction	
Ditch score	27	Decision sight distance score	13	Rock friction score	0
AADT	370	Road width (ft)	36	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	9	Diff. erosion rates score	81
Section length (mi)	0.06	Annual rainfall (in. per year)	19	Diff. erosion features	Major erosion features
AVR percent	2	Rainfall score	8	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Constant
		Fall volume (cy) and score	0 /1	History score	81

C000033 N **RHRS score 376** Rating date 04-Jun-2004
031+0.590 to 031+0.810 Section number 757 Posted speed 70

Slope height (ft)	93	Measured sight distance (ft)	540	Structural condition	Continuous / adverse
Slope height score	59	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	49	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	49	Rock friction score	70
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.22	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	5	Rainfall score	8	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000033 N **RHRS score 420** Rating date 05-Jun-2004
037+0.570 to 037+0.880 Section number 769 Posted speed 70

Slope height (ft)	252	Measured sight distance (ft)	1,00	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	90	Rock friction	Planar
Ditch score	27	Decision sight distance score	5	Rock friction score	27
AADT	370	Road width (ft)	36	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	9	Diff. erosion rates score	81
Section length (mi)	0.31	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	10	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	20 /100	History score	27

C000033 N **RHRS score 446** Rating date 05-Jun-2004
037+0.940 to 038+0.060 Section number 770 Posted speed 70

Slope height (ft)	62	Measured sight distance (ft)	270	Structural condition	
Slope height score	15	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	24	Rock friction	
Ditch score	20	Decision sight distance score	100	Rock friction score	0
AADT	370	Road width (ft)	37	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	8	Diff. erosion rates score	81
Section length (mi)	0.12	Annual rainfall (in. per year)	23	Diff. erosion features	Major erosion features
AVR percent	3	Rainfall score	13	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	30 /100	History score	27

C000033 N **RHRS score 452** Rating date 05-Jun-2004
038+0.250 to 038+0.420 Section number 772 Posted speed 70

Slope height (ft)	115	Measured sight distance (ft)	600	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	54	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	38	Rock friction score	81
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	4	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	50 /100	History score	9

C000033 N **RHRS score 379** Rating date 05-Jun-2004
041+0.350 to 041+0.810 Section number 778 Posted speed 70

Slope height (ft)	136	Measured sight distance (ft)	750	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	68	Rock friction	Planar
Ditch score	9	Decision sight distance score	17	Rock friction score	27
AADT	370	Road width (ft)	35	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	10	Diff. erosion rates score	65
Section length (mi)	0.46	Annual rainfall (in. per year)	25	Diff. erosion features	Major erosion features
AVR percent	10	Rainfall score	16	Diff. erosion feat. score	70
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	9

C000033 N **RHRS score 445** Rating date 05-Jun-2004
042+0.490 to 043+0.630 Section number 780 Posted speed 70

Slope height (ft)	125	Measured sight distance (ft)	710	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	64	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	22	Rock friction score	81
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	1.14	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	25	Rainfall score	13	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	60 /100	History score	27

C000033 N **RHRS score 379** Rating date 05-Jun-2004
043+0.950 to 044+0.150 Section number 781 Posted speed 70

Slope height (ft)	159	Measured sight distance (ft)	610	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Good	Percent decision sight distance	55	Rock friction	Planar
Ditch score	6	Decision sight distance score	36	Rock friction score	27
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.20	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	4	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	60 /100	History score	27

C000033 N **RHRS score 394** Rating date 05-Jun-2004
044+0.210 to 044+0.540 Section number 782 Posted speed 70

Slope height (ft)	146	Measured sight distance (ft)	585	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Good	Percent decision sight distance	53	Rock friction	Planar
Ditch score	6	Decision sight distance score	40	Rock friction score	20
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.33	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	7	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	27

C000033 N **RHRS score 371** Rating date 05-Jun-2004
044+0.740 to 045+0.210 Section number 783 Posted speed 70

Slope height (ft)	112	Measured sight distance (ft)	750	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Good	Percent decision sight distance	68	Rock friction	Planar
Ditch score	6	Decision sight distance score	17	Rock friction score	20
AADT	370	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.47	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	10	Rainfall score	10	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	27

C000033 N **RHRS score 420** Rating date 05-Jun-2004
045+0.260 to 045+0.440 Section number 784 Posted speed 70

Slope height (ft)	104	Measured sight distance (ft)	390	Structural condition	Discontinuous / adverse
Slope height score	95	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Moderate	Percent decision sight distance	35	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	27
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.18	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	4	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	9

C000033 N **RHRS score 351** Rating date 06-Jun-2004
046+0.840 to 047+0.090 Section number 787 Posted speed 70

Slope height (ft)	101	Measured sight distance (ft)	360	Structural condition	Discontinuous / adverse
Slope height score	86	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	33	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	20
AADT	370	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.25	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	6	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C000033 N **RHRS score 370** Rating date 06-Jun-2004
047+0.310 to 047+0.860 Section number 789 Posted speed 70

Slope height (ft)	96	Measured sight distance (ft)	450	Structural condition	Continuous / adverse
Slope height score	67	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Good	Percent decision sight distance	41	Rock friction	Planar
Ditch score	6	Decision sight distance score	77	Rock friction score	27
AADT	370	Road width (ft)	35	Diff. erosion rates	
AADT year	2002	Road width score	10	Diff. erosion rates score	0
Section length (mi)	0.55	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	12	Rainfall score	10	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C000033 N **RHRS score 368** Rating date 06-Jun-2004
050+0.910 to 051+0.150 Section number 795 Posted speed 70

Slope height (ft)	72	Measured sight distance (ft)	450	Structural condition	Discontinuous / adverse
Slope height score	23	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	41	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	77	Rock friction score	81
AADT	370	Road width (ft)	35	Diff. erosion rates	
AADT year	2002	Road width score	10	Diff. erosion rates score	0
Section length (mi)	0.24	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	5	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	80 /100	History score	27

C000033 N **RHRS score 413** Rating date 06-Jun-2004
051+0.470 to 051+0.920 Section number 798 Posted speed 70

Slope height (ft)	101	Measured sight distance (ft)	450	Structural condition	Continuous / adverse
Slope height score	86	AASHTO sight distance (ft)	1,105	Structural cond. score	70
Ditch effectiveness	Good	Percent decision sight distance	41	Rock friction	Planar
Ditch score	3	Decision sight distance score	77	Rock friction score	27
AADT	370	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.45	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	10	Rainfall score	13	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	15 /100	History score	27

C000033 N **RHRS score 427** Rating date 06-Jun-2004
052+0.960 to 053+0.550 Section number 801 Posted speed 50

Slope height (ft)	125	Measured sight distance (ft)	475	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	63	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	23	Rock friction score	81
AADT	370	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.59	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	18	Rainfall score	13	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	9

C000033 N **RHRS score 476** Rating date 05-Jun-2004
054+0.610 to 054+0.760 Section number 807 Posted speed 45

Slope height (ft)	124	Measured sight distance (ft)	430	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	100
Ditch effectiveness	Limited	Percent decision sight distance	64	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	22	Rock friction score	100
AADT	570	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	8	Rainfall score	8	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	15 /100	History score	9

C000033 N **RHRS score 377** Rating date 05-Jun-2004
056+0.720 to 057+0.030 Section number 810 Posted speed 70

Slope height (ft)	154	Measured sight distance (ft)	510	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	100
Ditch effectiveness	Moderate	Percent decision sight distance	46	Rock friction	Planar
Ditch score	20	Decision sight distance score	58	Rock friction score	27
AADT	570	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.31	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	11	Rainfall score	8	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	27

C000035 E **RHRS score 458** Rating date 11-Jun-2004
003+0.440 to 003+0.780 Section number 816 Posted speed 70

Slope height (ft)	141	Measured sight distance (ft)	640	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	100
Ditch effectiveness	Moderate	Percent decision sight distance	58	Rock friction	Planar
Ditch score	20	Decision sight distance score	30	Rock friction score	40
AADT	1,510	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.34	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	31	Rainfall score	10	Diff. erosion feat. score	0
AVR score	4	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	150 /100	History score	27

C000035 E **RHRS score 424** Rating date 11-Jun-2004
013+0.940 to 014+0.000 Section number 821 Posted speed 70

Slope height (ft)	174	Measured sight distance (ft)	800	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	72	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	14	Rock friction score	60
AADT	1,510	Road width (ft)	32	Diff. erosion rates	
AADT year	2002	Road width score	16	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	29	Diff. erosion features	
AVR percent	5	Rainfall score	24	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	27

C000035 E
014+0.100 to 014+0.180

RHRS score 448
Section number 822

Rating date 11-Jun-2004
Posted speed 70

Slope height (ft)	140	Measured sight distance (ft)	555	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	50	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	47	Rock friction score	60
AADT	1,510	Road width (ft)	31	Diff. erosion rates	
AADT year	2002	Road width score	18	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	29	Diff. erosion features	
AVR percent	7	Rainfall score	24	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	2 /2	History score	9

C000035 E
015+0.820 to 016+0.020

RHRS score 486
Section number 825

Rating date 11-Jun-2004
Posted speed 70

Slope height (ft)	115	Measured sight distance (ft)	270	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	24	Rock friction	Planar
Ditch score	20	Decision sight distance score	100	Rock friction score	27
AADT	1,510	Road width (ft)	31	Diff. erosion rates	
AADT year	2002	Road width score	18	Diff. erosion rates score	0
Section length (mi)	0.20	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	18	Rainfall score	30	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	27

C000035 E
016+0.030 to 016+0.140

RHRS score 424
Section number 826

Rating date 11-Jun-2004
Posted speed 70

Slope height (ft)	80	Measured sight distance (ft)	505	Structural condition	
Slope height score	33	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	46	Rock friction	
Ditch score	27	Decision sight distance score	58	Rock friction score	0
AADT	1,510	Road width (ft)	32	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	16	Diff. erosion rates score	81
Section length (mi)	0.11	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	10	Rainfall score	30	Diff. erosion feat. score	50
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	27

C000035 E
020+0.300 to 020+0.380

RHRS score 423
Section number 837

Rating date 12-Jun-2004
Posted speed 70

Slope height (ft)	167	Measured sight distance (ft)	850	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	100
Ditch effectiveness	Moderate	Percent decision sight distance	77	Rock friction	Planar
Ditch score	20	Decision sight distance score	11	Rock friction score	40
AADT	1,510	Road width (ft)	31	Diff. erosion rates	
AADT year	2002	Road width score	18	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	7	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	1E+/100	History score	27

C000036 E **RHRS score 390** Rating date 12-Jun-2004
004+0.320 to 004+0.400 Section number 846 Posted speed 45

Slope height (ft)	62	Measured sight distance (ft)	340	Structural condition	
Slope height score	15	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	50	Rock friction	
Ditch score	9	Decision sight distance score	47	Rock friction score	0
AADT	990	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	70
Section length (mi)	0.08	Annual rainfall (in. per year)	21	Diff. erosion features	Major erosion features
AVR percent	7	Rainfall score	10	Diff. erosion feat. score	90
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	27

C000036 E **RHRS score 380** Rating date 12-Jun-2004
004+0.400 to 004+0.560 Section number 847 Posted speed 45

Slope height (ft)	57	Measured sight distance (ft)	335	Structural condition	
Slope height score	12	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	50	Rock friction	
Ditch score	15	Decision sight distance score	47	Rock friction score	0
AADT	990	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	65
Section length (mi)	0.16	Annual rainfall (in. per year)	21	Diff. erosion features	Major erosion features
AVR percent	15	Rainfall score	10	Diff. erosion feat. score	81
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	27

C000036 E **RHRS score 468** Rating date 12-Jun-2004
009+0.560 to 009+0.640 Section number 849 Posted speed 70

Slope height (ft)	35	Measured sight distance (ft)	200	Structural condition	Continuous / adverse
Slope height score	5	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	18	Rock friction	Planar
Ditch score	70	Decision sight distance score	100	Rock friction score	35
AADT	990	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	5	Rainfall score	13	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000036 E **RHRS score 498** Rating date 12-Jun-2004
010+0.460 to 010+0.530 Section number 851 Posted speed 70

Slope height (ft)	30	Measured sight distance (ft)	350	Structural condition	Continuous / adverse
Slope height score	4	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	32	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	40
AADT	990	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	4	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000036 E **RHRS score 539** Rating date 12-Jun-2004
010+0.540 to 010+0.580 Section number 852 Posted speed 70

Slope height (ft)	29	Measured sight distance (ft)	300	Structural condition	Continuous / adverse
Slope height score	4	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	27	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	100	Rock friction score	81
AADT	990	Road width (ft)	23	Diff. erosion rates	
AADT year	2002	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	2	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	50 /100	History score	81

C000046 E **RHRS score 634** Rating date 11-Jun-2004
068+0.060 to 068+0.190 Section number 904 Posted speed 45

Slope height (ft)	196	Measured sight distance (ft)	275	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	60
Ditch effectiveness	None	Percent decision sight distance	41	Rock friction	Planar
Ditch score	100	Decision sight distance score	77	Rock friction score	60
AADT	455	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	5	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	95

C000046 E **RHRS score 436** Rating date 11-Jun-2004
068+0.270 to 068+0.410 Section number 906 Posted speed 45

Slope height (ft)	250	Measured sight distance (ft)	500	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	74	Rock friction	Rough / irregular
Ditch score	20	Decision sight distance score	13	Rock friction score	8
AADT	455	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	55
Section length (mi)	0.14	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	6	Rainfall score	5	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	60

C000046 E **RHRS score 396** Rating date 11-Jun-2004
068+0.500 to 068+0.560 Section number 907 Posted speed 45

Slope height (ft)	109	Measured sight distance (ft)	285	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	42	Rock friction	Planar
Ditch score	45	Decision sight distance score	73	Rock friction score	30
AADT	455	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	40
Section length (mi)	0.06	Annual rainfall (in. per year)	13	Diff. erosion features	Occ. erosion features
AVR percent	3	Rainfall score	4	Diff. erosion feat. score	25
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	1 /1	History score	15

C000046 E **RHRS score 446** Rating date 10-Jun-2004
069+0.920 to 070+0.050 Section number 908 Posted speed 70

Slope height (ft)	70	Measured sight distance (ft)	900	Structural condition	Continuous / adverse
Slope height score	22	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	81	Rock friction	Planar
Ditch score	81	Decision sight distance score	9	Rock friction score	60
AADT	455	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	4	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	65

C000046 E **RHRS score 448** Rating date 10-Jun-2004
070+0.070 to 070+0.210 Section number 909 Posted speed 70

Slope height (ft)	66	Measured sight distance (ft)	680	Structural condition	Continuous / adverse
Slope height score	18	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	62	Rock friction	Planar
Ditch score	81	Decision sight distance score	24	Rock friction score	55
AADT	455	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.14	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	4	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000046 E **RHRS score 391** Rating date 10-Jun-2004
071+0.610 to 072+0.340 Section number 912 Posted speed 35

Slope height (ft)	71	Measured sight distance (ft)	550	Structural condition	
Slope height score	22	AASHTO sight distance (ft)	525	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	105	Rock friction	
Ditch score	55	Decision sight distance score	2	Rock friction score	0
AADT	455	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	45
Section length (mi)	0.73	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	40	Rainfall score	10	Diff. erosion feat. score	50
AVR score	6	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	65

C000046 E **RHRS score 524** Rating date 10-Jun-2004
072+0.360 to 072+0.860 Section number 913 Posted speed 35

Slope height (ft)	70	Measured sight distance (ft)	245	Structural condition	Discontinuous / favorabl
Slope height score	22	AASHTO sight distance (ft)	525	Structural cond. score	3
Ditch effectiveness	Limited	Percent decision sight distance	47	Rock friction	Rough / irregular
Ditch score	75	Decision sight distance score	55	Rock friction score	3
AADT	455	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	65
Section length (mi)	0.50	Annual rainfall (in. per year)	19	Diff. erosion features	Many erosion features
AVR percent	27	Rainfall score	8	Diff. erosion feat. score	65
AVR score	3	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	95

C000046 E **RHRS score 490** Rating date 10-Jun-2004
072+0.900 to 073+0.490 Section number 914 Posted speed 35

Slope height (ft)	62	Measured sight distance (ft)	250	Structural condition	Discontinuous / adverse
Slope height score	15	AASHTO sight distance (ft)	525	Structural cond. score	35
Ditch effectiveness	Limited	Percent decision sight distance	48	Rock friction	Planar
Ditch score	75	Decision sight distance score	52	Rock friction score	27
AADT	455	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	55
Section length (mi)	0.59	Annual rainfall (in. per year)	19	Diff. erosion features	Many erosion features
AVR percent	32	Rainfall score	8	Diff. erosion feat. score	60
AVR score	4	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	1 /1	History score	85

C000046 E **RHRS score 571** Rating date 10-Jun-2004
073+0.600 to 073+0.750 Section number 916 Posted speed 35

Slope height (ft)	178	Measured sight distance (ft)	210	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	65
Ditch effectiveness	None	Percent decision sight distance	40	Rock friction	Planar
Ditch score	81	Decision sight distance score	81	Rock friction score	55
AADT	455	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	8	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	65

C000046 E **RHRS score 350** Rating date 10-Jun-2004
073+0.750 to 074+0.020 Section number 917 Posted speed 35

Slope height (ft)	167	Measured sight distance (ft)	580	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	60
Ditch effectiveness	Moderate	Percent decision sight distance	110	Rock friction	Rough / irregular
Ditch score	25	Decision sight distance score	2	Rock friction score	18
AADT	455	Road width (ft)	36	Diff. erosion rates	
AADT year	2002	Road width score	9	Diff. erosion rates score	0
Section length (mi)	0.27	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	15	Rainfall score	6	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Constant
		Fall volume (cy) and score	1 /1	History score	81

C000046 E **RHRS score 437** Rating date 10-Jun-2004
074+0.100 to 074+0.270 Section number 918 Posted speed 35

Slope height (ft)	319	Measured sight distance (ft)	650	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	124	Rock friction	Planar
Ditch score	45	Decision sight distance score	1	Rock friction score	35
AADT	455	Road width (ft)	36	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	9	Diff. erosion rates score	40
Section length (mi)	0.17	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	9	Rainfall score	5	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	1 /1	History score	81

C000050 N **RHRS score 486** Rating date 27-May-2004
050+0.680 to 050+0.800 Section number 933 Posted speed 60

Slope height (ft)	137	Measured sight distance (ft)	1,15	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	100
Ditch effectiveness	Moderate	Percent decision sight distance	115	Rock friction	Planar
Ditch score	25	Decision sight distance score	1	Rock friction score	30
AADT	4,475	Road width (ft)	27	Diff. erosion rates	
AADT year	2002	Road width score	31	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	29	Diff. erosion features	
AVR percent	37	Rainfall score	24	Diff. erosion feat. score	0
AVR score	5	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	25 /100	History score	70

C000050 N **RHRS score 425** Rating date 27-May-2004
052+0.050 to 052+0.160 Section number 934 Posted speed 45

Slope height (ft)	85	Measured sight distance (ft)	600	Structural condition	Discontinuous / adverse
Slope height score	43	AASHTO sight distance (ft)	675	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	89	Rock friction	Planar
Ditch score	70	Decision sight distance score	5	Rock friction score	35
AADT	4,475	Road width (ft)	29	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	24	Diff. erosion rates score	30
Section length (mi)	0.11	Annual rainfall (in. per year)	31	Diff. erosion features	Occ. erosion features
AVR percent	46	Rainfall score	30	Diff. erosion feat. score	15
AVR score	7	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	70

C000050 N **RHRS score 383** Rating date 27-May-2004
052+0.330 to 052+0.450 Section number 935 Posted speed 45

Slope height (ft)	221	Measured sight distance (ft)	375	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	56	Rock friction	Rough / irregular
Ditch score	22	Decision sight distance score	34	Rock friction score	8
AADT	4,475	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	50	Rainfall score	30	Diff. erosion feat. score	0
AVR score	9	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	25

C000050 N **RHRS score 449** Rating date 27-May-2004
052+0.730 to 052+0.870 Section number 936 Posted speed 45

Slope height (ft)	112	Measured sight distance (ft)	300	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	44	Rock friction	
Ditch score	35	Decision sight distance score	65	Rock friction score	0
AADT	4,475	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	33
Section length (mi)	0.14	Annual rainfall (in. per year)	31	Diff. erosion features	Occ. erosion features
AVR percent	58	Rainfall score	30	Diff. erosion feat. score	26
AVR score	13	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	81

C000050 N **RHRS score 495** Rating date 27-May-2004
052+0.870 to 052+0.960 Section number 937 Posted speed 45

Slope height (ft)	167	Measured sight distance (ft)	470	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	70	Rock friction	
Ditch score	65	Decision sight distance score	16	Rock friction score	0
AADT	4,475	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	50
Section length (mi)	0.09	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	37	Rainfall score	30	Diff. erosion feat. score	60
AVR score	5	Block size (ft) and score	4 /47	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	95

C000050 N **RHRS score 372** Rating date 26-May-2004
057+0.720 to 057+0.840 Section number 942 Posted speed 70

Slope height (ft)	761	Measured sight distance (ft)	450	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Good	Percent decision sight distance	41	Rock friction	Undulating
Ditch score	8	Decision sight distance score	77	Rock friction score	20
AADT	4,475	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	32	Rainfall score	16	Diff. erosion feat. score	0
AVR score	4	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	24

C000050 N **RHRS score 425** Rating date 26-May-2004
058+0.410 to 058+0.450 Section number 943 Posted speed 70

Slope height (ft)	103	Measured sight distance (ft)	620	Structural condition	Discontinuous / adverse
Slope height score	93	AASHTO sight distance (ft)	1,105	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	56	Rock friction	Undulating
Ditch score	60	Decision sight distance score	34	Rock friction score	26
AADT	4,475	Road width (ft)	29	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	24	Diff. erosion rates score	25
Section length (mi)	0.04	Annual rainfall (in. per year)	27	Diff. erosion features	Occ. erosion features
AVR percent	11	Rainfall score	19	Diff. erosion feat. score	25
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	6 /9	History score	70

C000050 N **RHRS score 549** Rating date 26-May-2004
060+0.730 to 060+0.960 Section number 946 Posted speed 70

Slope height (ft)	290	Measured sight distance (ft)	550	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	45
Ditch effectiveness	Limited	Percent decision sight distance	50	Rock friction	Rough / irregular
Ditch score	60	Decision sight distance score	47	Rock friction score	8
AADT	4,475	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	40
Section length (mi)	0.23	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	61	Rainfall score	30	Diff. erosion feat. score	60
AVR score	15	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	12 /81	History score	95

C000050 N **RHRS score 555** Rating date 26-May-2004
061+0.180 to 061+0.260 Section number 947 Posted speed 35

Slope height (ft)	129	Measured sight distance (ft)	400	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	85
Ditch effectiveness	Limited	Percent decision sight distance	76	Rock friction	Planar
Ditch score	75	Decision sight distance score	11	Rock friction score	75
AADT	4,475	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	43	Rainfall score	30	Diff. erosion feat. score	0
AVR score	7	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	70

C000050 N **RHRS score 454** Rating date 26-May-2004
061+0.380 to 061+0.550 Section number 948 Posted speed 35

Slope height (ft)	165	Measured sight distance (ft)	550	Structural condition	Discontinuous / favorabl
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	105	Rock friction	Undulating
Ditch score	40	Decision sight distance score	2	Rock friction score	20
AADT	4,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	91	Rainfall score	30	Diff. erosion feat. score	0
AVR score	54	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C000050 N **RHRS score 445** Rating date 26-May-2004
062+0.070 to 062+0.210 Section number 949 Posted speed 70

Slope height (ft)	305	Measured sight distance (ft)	1,05	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	65
Ditch effectiveness	Moderate	Percent decision sight distance	95	Rock friction	Undulating
Ditch score	25	Decision sight distance score	4	Rock friction score	25
AADT	4,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.14	Annual rainfall (in. per year)	29	Diff. erosion features	
AVR percent	37	Rainfall score	24	Diff. erosion feat. score	0
AVR score	5	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	70

C000050 N **RHRS score 380** Rating date 26-May-2004
062+0.560 to 062+0.690 Section number 950 Posted speed 70

Slope height (ft)	142	Measured sight distance (ft)	1,07	Structural condition	Discontinuous / favorabl
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	1
Ditch effectiveness	Moderate	Percent decision sight distance	97	Rock friction	Rough / irregular
Ditch score	23	Decision sight distance score	4	Rock friction score	1
AADT	4,475	Road width (ft)	28	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	27	Diff. erosion rates score	23
Section length (mi)	0.13	Annual rainfall (in. per year)	27	Diff. erosion features	Occ. erosion features
AVR percent	35	Rainfall score	19	Diff. erosion feat. score	24
AVR score	5	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	55

C000050 N **RHRS score 372** Rating date 26-May-2004
063+0.140 to 063+0.210 Section number 951 Posted speed 70

Slope height (ft)	173	Measured sight distance (ft)	1,00	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	40
Ditch effectiveness	Good	Percent decision sight distance	90	Rock friction	Undulating
Ditch score	4	Decision sight distance score	5	Rock friction score	25
AADT	4,475	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	19	Rainfall score	19	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C000052 N **RHRS score 422** Rating date 23-Jul-2004
009+0.720 to 009+0.940 Section number 957 Posted speed 50

Slope height (ft)	71	Measured sight distance (ft)	475	Structural condition	Discontinuous / adverse
Slope height score	23	AASHTO sight distance (ft)	750	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	63	Rock friction	Clay infilling / slickensided
Ditch score	50	Decision sight distance score	23	Rock friction score	81
AADT	2,850	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.22	Annual rainfall (in. per year)	23	Diff. erosion features	
AVR percent	52	Rainfall score	13	Diff. erosion feat. score	0
AVR score	10	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	15 /100	History score	45

C000052 N **RHRS score 440** Rating date 23-Jul-2004
010+0.990 to 011+0.040 Section number 959 Posted speed 50

Slope height (ft)	84	Measured sight distance (ft)	225	Structural condition	Discontinuous / adverse
Slope height score	40	AASHTO sight distance (ft)	750	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	30	Rock friction	Undulating
Ditch score	27	Decision sight distance score	100	Rock friction score	20
AADT	2,850	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	70
Section length (mi)	0.05	Annual rainfall (in. per year)	23	Diff. erosion features	Many erosion features
AVR percent	12	Rainfall score	13	Diff. erosion feat. score	60
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	20

C000052 N **RHRS score 378** Rating date 23-Jul-2004
011+0.080 to 011+0.120 Section number 960 Posted speed 50

Slope height (ft)	107	Measured sight distance (ft)	580	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	77	Rock friction	Planar
Ditch score	27	Decision sight distance score	11	Rock friction score	40
AADT	2,850	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	27
Section length (mi)	0.04	Annual rainfall (in. per year)	23	Diff. erosion features	Occ. erosion features
AVR percent	9	Rainfall score	13	Diff. erosion feat. score	9
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	27

C000052 N **RHRS score 360** Rating date 23-Jul-2004
011+0.230 to 011+0.370 Section number 962 Posted speed 50

Slope height (ft)	95	Measured sight distance (ft)	840	Structural condition	Discontinuous / random
Slope height score	66	AASHTO sight distance (ft)	750	Structural cond. score	15
Ditch effectiveness	Limited	Percent decision sight distance	112	Rock friction	Undulating
Ditch score	27	Decision sight distance score	2	Rock friction score	9
AADT	2,850	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	47	Diff. erosion rates score	40
Section length (mi)	0.14	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	33	Rainfall score	16	Diff. erosion feat. score	50
AVR score	4	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	27

C000052 N **RHRS score 392** Rating date 23-Jul-2004
013+0.120 to 013+0.180 Section number 966 Posted speed 50

Slope height (ft)	75	Measured sight distance (ft)	230	Structural condition	
Slope height score	27	AASHTO sight distance (ft)	750	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	31	Rock friction	
Ditch score	9	Decision sight distance score	100	Rock friction score	0
AADT	2,850	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	50
Section length (mi)	0.06	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	14	Rainfall score	19	Diff. erosion feat. score	50
AVR score	2	Block size (ft) and score	1 /3	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	27

C000053 N **RHRS score 397** Rating date 01-Jul-2004
002+0.410 to 003+0.010 Section number 975 Posted speed 45

Slope height (ft)	119	Measured sight distance (ft)	1,00	Structural condition	Discontinuous / favorabl
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	3
Ditch effectiveness	None	Percent decision sight distance	148	Rock friction	Undulating
Ditch score	81	Decision sight distance score	1	Rock friction score	9
AADT	17,680	Road width (ft)	59	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	1	Diff. erosion rates score	20
Section length (mi)	0.60	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	982	Rainfall score	5	Diff. erosion feat. score	40
AVR score	100	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	40

C000060 N **RHRS score 385** Rating date 21-Jul-2004
038+0.450 to 038+0.540 Section number 1020 Posted speed 45

Slope height (ft)	31	Measured sight distance (ft)	221	Structural condition	Discontinuous / adverse
Slope height score	4	AASHTO sight distance (ft)	675	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	33	Rock friction	Rough / irregular
Ditch score	35	Decision sight distance score	100	Rock friction score	8
AADT	510	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	4	Rainfall score	16	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	15

C000060 N **RHRS score 394** Rating date 21-Jul-2004
039+0.990 to 040+0.000 Section number 1029 Posted speed 45

Slope height (ft)	46	Measured sight distance (ft)	219	Structural condition	Continuous / adverse
Slope height score	8	AASHTO sight distance (ft)	675	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	32	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	30
AADT	545	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	3	Rainfall score	16	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	9

C000060 N **RHRS score 366** Rating date 21-Jul-2004
052+0.290 to 052+0.510 Section number 1042 Posted speed 70

Slope height (ft)	59	Measured sight distance (ft)	287	Structural condition	Discontinuous / random
Slope height score	13	AASHTO sight distance (ft)	1,105	Structural cond. score	25
Ditch effectiveness	None	Percent decision sight distance	26	Rock friction	Rough / irregular
Ditch score	81	Decision sight distance score	100	Rock friction score	3
AADT	545	Road width (ft)	25	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	41	Diff. erosion rates score	81
Section length (mi)	0.22	Annual rainfall (in. per year)	21	Diff. erosion features	Few erosion features
AVR percent	7	Rainfall score	10	Diff. erosion feat. score	3
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	6 /9	History score	27

C000060 N **RHRS score 377** Rating date 21-Jul-2004
052+0.560 to 052+0.590 Section number 1043 Posted speed 70

Slope height (ft)	89	Measured sight distance (ft)	296	Structural condition	Discontinuous / adverse
Slope height score	49	AASHTO sight distance (ft)	1,105	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	27	Rock friction	Rough / irregular
Ditch score	50	Decision sight distance score	100	Rock friction score	7
AADT	545	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.03	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	1	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	9 /27	History score	27

C000060 N **RHRS score 372** Rating date 21-Jul-2004
052+0.610 to 052+0.670 Section number 1044 Posted speed 70

Slope height (ft)	79	Measured sight distance (ft)	582	Structural condition	Discontinuous / adverse
Slope height score	31	AASHTO sight distance (ft)	1,105	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	53	Rock friction	Rough / irregular
Ditch score	65	Decision sight distance score	40	Rock friction score	7
AADT	545	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	2	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	27

C000060 N **RHRS score 452** Rating date 21-Jul-2004
052+0.710 to 052+0.890 Section number 1045 Posted speed 70

Slope height (ft)	48	Measured sight distance (ft)	361	Structural condition	Discontinuous / adverse
Slope height score	8	AASHTO sight distance (ft)	1,105	Structural cond. score	75
Ditch effectiveness	Limited	Percent decision sight distance	33	Rock friction	Planar
Ditch score	70	Decision sight distance score	100	Rock friction score	20
AADT	545	Road width (ft)	25	Diff. erosion rates	
AADT year	2002	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.18	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	6	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	27

C000072 N **RHRS score 387** Rating date 02-Jun-2004
001+0.080 to 001+0.170 Section number 1058 Posted speed 70

Slope height (ft)	130	Measured sight distance (ft)	1,10	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	100	Rock friction	
Ditch score	45	Decision sight distance score	3	Rock friction score	0
AADT	1,500	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	60
Section length (mi)	0.09	Annual rainfall (in. per year)	9	Diff. erosion features	Many erosion features
AVR percent	8	Rainfall score	3	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Few
		Fall volume (cy) and score	10 /39	History score	8

C000083 N **RHRS score 498** Rating date 20-Jul-2004
005+0.540 to 005+0.690 Section number 1076 Posted speed 45

Slope height (ft)	96	Measured sight distance (ft)	260	Structural condition	
Slope height score	66	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	39	Rock friction	
Ditch score	60	Decision sight distance score	86	Rock friction score	0
AADT	2,095	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	60
Section length (mi)	0.15	Annual rainfall (in. per year)	25	Diff. erosion features	Major erosion features
AVR percent	29	Rainfall score	16	Diff. erosion feat. score	81
AVR score	4	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C000083 N **RHRS score 403** Rating date 20-Jul-2004
008+0.430 to 008+0.560 Section number 1086 Posted speed 45

Slope height (ft)	82	Measured sight distance (ft)	300	Structural condition	
Slope height score	37	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	44	Rock friction	
Ditch score	27	Decision sight distance score	65	Rock friction score	0
AADT	2,095	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	60
Section length (mi)	0.13	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	25	Rainfall score	16	Diff. erosion feat. score	60
AVR score	3	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C000083 N
009+0.050 to 009+0.160

RHRS score 474
Section number 1087

Rating date 20-Jul-2004
Posted speed 45

Slope height (ft)	92	Measured sight distance (ft)	210	Structural condition	
Slope height score	58	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	31	Rock friction	
Ditch score	50	Decision sight distance score	100	Rock friction score	0
AADT	2,095	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	60
Section length (mi)	0.11	Annual rainfall (in. per year)	25	Diff. erosion features	Major erosion features
AVR percent	21	Rainfall score	16	Diff. erosion feat. score	81
AVR score	3	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	40

C000083 N
009+0.540 to 009+0.630

RHRS score 441
Section number 1089

Rating date 20-Jul-2004
Posted speed 70

Slope height (ft)	48	Measured sight distance (ft)	395	Structural condition	
Slope height score	8	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	
Ditch score	40	Decision sight distance score	100	Rock friction score	0
AADT	2,095	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	50
Section length (mi)	0.09	Annual rainfall (in. per year)	25	Diff. erosion features	Major erosion features
AVR percent	11	Rainfall score	16	Diff. erosion feat. score	81
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	8 /19	History score	81

C000083 N
073+0.020 to 073+0.210

RHRS score 434
Section number 1101

Rating date 20-Jul-2004
Posted speed 45

Slope height (ft)	68	Measured sight distance (ft)	330	Structural condition	Discontinuous / adverse
Slope height score	20	AASHTO sight distance (ft)	675	Structural cond. score	50
Ditch effectiveness	None	Percent decision sight distance	49	Rock friction	Planar
Ditch score	81	Decision sight distance score	49	Rock friction score	35
AADT	1,150	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	27
Section length (mi)	0.19	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	20	Rainfall score	30	Diff. erosion feat. score	27
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	50

C000083 N
074+0.480 to 074+0.830

RHRS score 400
Section number 1105

Rating date 20-Jul-2004
Posted speed 45

Slope height (ft)	101	Measured sight distance (ft)	480	Structural condition	
Slope height score	86	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	71	Rock friction	
Ditch score	60	Decision sight distance score	15	Rock friction score	0
AADT	1,150	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	50
Section length (mi)	0.35	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	37	Rainfall score	30	Diff. erosion feat. score	50
AVR score	5	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	50

C000084 E **RHRS score 571** Rating date 09-Jun-2004
006+0.620 to 006+0.870 Section number 1110 Posted speed 35

Slope height (ft)	324	Measured sight distance (ft)	160	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	30	Rock friction	Undulating
Ditch score	68	Decision sight distance score	100	Rock friction score	18
AADT	1,555	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.25	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	46	Rainfall score	4	Diff. erosion feat. score	0
AVR score	8	Block size (ft) and score	8 /100	Rockfall history	Many
		Fall volume (cy) and score	4 /4	History score	45

C000086 N **RHRS score 567** Rating date 25-May-2004
004+0.370 to 004+0.450 Section number 1114 Posted speed 25

Slope height (ft)	129	Measured sight distance (ft)	175	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	45
Ditch effectiveness	Limited	Percent decision sight distance	47	Rock friction	Planar
Ditch score	70	Decision sight distance score	55	Rock friction score	30
AADT	2,400	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	60
Section length (mi)	0.08	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	32	Rainfall score	10	Diff. erosion feat. score	60
AVR score	4	Block size (ft) and score	2 /5	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	81

C000086 N **RHRS score 367** Rating date 26-May-2004
015+0.930 to 016+0.030 Section number 1120 Posted speed 70

Slope height (ft)	61	Measured sight distance (ft)	800	Structural condition	
Slope height score	15	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	72	Rock friction	
Ditch score	55	Decision sight distance score	14	Rock friction score	0
AADT	1,655	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	65
Section length (mi)	0.10	Annual rainfall (in. per year)	37	Diff. erosion features	Many erosion features
AVR percent	10	Rainfall score	58	Diff. erosion feat. score	40
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	70

C000087 E **RHRS score 392** Rating date 08-Jun-2004
002+0.510 to 002+0.680 Section number 1127 Posted speed 70

Slope height (ft)	90	Measured sight distance (ft)	650	Structural condition	
Slope height score	52	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	59	Rock friction	
Ditch score	60	Decision sight distance score	29	Rock friction score	0
AADT	725	Road width (ft)	29	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	24	Diff. erosion rates score	45
Section length (mi)	0.17	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	19	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	6 /9	History score	65

C000087 E **RHRS score 657** Rating date 08-Jun-2004
004+0.020 to 004+0.750 Section number 1132 Posted speed 70

Slope height (ft)	136	Measured sight distance (ft)	490	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	44	Rock friction	
Ditch score	75	Decision sight distance score	65	Rock friction score	0
AADT	725	Road width (ft)	29	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	24	Diff. erosion rates score	95
Section length (mi)	0.73	Annual rainfall (in. per year)	29	Diff. erosion features	Many erosion features
AVR percent	32	Rainfall score	24	Diff. erosion feat. score	75
AVR score	4	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	95

C000090 E **RHRS score 387** Rating date 02-Jun-2004
002+0.620 to 002+0.710 Section number 1141 Posted speed 75

Slope height (ft)	105	Measured sight distance (ft)	390	Structural condition	Discontinuous / random
Slope height score	99	AASHTO sight distance (ft)	1,185	Structural cond. score	15
Ditch effectiveness	Moderate	Percent decision sight distance	33	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	20
AADT	6,300	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	57	Diff. erosion features	
AVR percent	32	Rainfall score	100	Diff. erosion feat. score	0
AVR score	4	Block size (ft) and score	2 /5	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000090 E **RHRS score 397** Rating date 02-Jun-2004
002+0.800 to 002+0.880 Section number 1142 Posted speed 75

Slope height (ft)	137	Measured sight distance (ft)	375	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	32	Rock friction	Planar
Ditch score	15	Decision sight distance score	100	Rock friction score	27
AADT	6,300	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	57	Diff. erosion features	
AVR percent	28	Rainfall score	100	Diff. erosion feat. score	0
AVR score	3	Block size (ft) and score	2 /9	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000090 W **RHRS score 421** Rating date 02-Jun-2004
006+0.650 to 006+0.760 Section number 1148 Posted speed 75

Slope height (ft)	119	Measured sight distance (ft)	410	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	35	Rock friction	Planar
Ditch score	15	Decision sight distance score	100	Rock friction score	27
AADT	6,300	Road width (ft)	35	Diff. erosion rates	
AADT year	2002	Road width score	10	Diff. erosion rates score	0
Section length (mi)	0.11	Annual rainfall (in. per year)	51	Diff. erosion features	
AVR percent	38	Rainfall score	100	Diff. erosion feat. score	0
AVR score	5	Block size (ft) and score	2 /5	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000090 W **RHRS score 360** Rating date 02-Jun-2004
007+0.460 to 007+0.580 Section number 1150 Posted speed 75

Slope height (ft)	203	Measured sight distance (ft)	1,00	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	84	Rock friction	
Ditch score	40	Decision sight distance score	7	Rock friction score	0
AADT	6,300	Road width (ft)	35	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	10	Diff. erosion rates score	27
Section length (mi)	0.12	Annual rainfall (in. per year)	49	Diff. erosion features	Many erosion features
AVR percent	42	Rainfall score	100	Diff. erosion feat. score	27
AVR score	6	Block size (ft) and score	3 /16	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000090 W **RHRS score 435** Rating date 02-Jun-2004
008+0.610 to 008+0.640 Section number 1152 Posted speed 75

Slope height (ft)	111	Measured sight distance (ft)	470	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	40	Rock friction	Planar
Ditch score	20	Decision sight distance score	81	Rock friction score	25
AADT	6,300	Road width (ft)	34	Diff. erosion rates	
AADT year	2002	Road width score	12	Diff. erosion rates score	0
Section length (mi)	0.03	Annual rainfall (in. per year)	47	Diff. erosion features	
AVR percent	10	Rainfall score	100	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	2 /5	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000090 W **RHRS score 351** Rating date 02-Jun-2004
008+0.860 to 008+0.990 Section number 1153 Posted speed 75

Slope height (ft)	165	Measured sight distance (ft)	900	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	76	Rock friction	Planar
Ditch score	20	Decision sight distance score	11	Rock friction score	60
AADT	6,300	Road width (ft)	34	Diff. erosion rates	
AADT year	2002	Road width score	12	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	47	Diff. erosion features	
AVR percent	46	Rainfall score	100	Diff. erosion feat. score	0
AVR score	7	Block size (ft) and score	2 /5	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000090 W **RHRS score 455** Rating date 01-Jun-2004
012+0.480 to 012+0.780 Section number 1157 Posted speed 50

Slope height (ft)	224	Measured sight distance (ft)	320	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	43	Rock friction	Planar
Ditch score	20	Decision sight distance score	69	Rock friction score	50
AADT	7,460	Road width (ft)	37	Diff. erosion rates	Small difference
AADT year	2002	Road width score	8	Diff. erosion rates score	3
Section length (mi)	0.30	Annual rainfall (in. per year)	33	Diff. erosion features	Occ. erosion features
AVR percent	187	Rainfall score	38	Diff. erosion feat. score	9
AVR score	100	Block size (ft) and score	3 /16	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000090 W **RHRS score 379** Rating date 28-May-2004
022+0.360 to 022+0.460 Section number 1168 Posted speed 75

Slope height (ft)	134	Measured sight distance (ft)	505	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	43	Rock friction	Planar
Ditch score	27	Decision sight distance score	69	Rock friction score	45
AADT	7,190	Road width (ft)	39	Diff. erosion rates	
AADT year	2002	Road width score	6	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	40	Rainfall score	30	Diff. erosion feat. score	0
AVR score	6	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000090 W **RHRS score 564** Rating date 28-May-2004
024+0.040 to 024+0.190 Section number 1175 Posted speed 50

Slope height (ft)	132	Measured sight distance (ft)	300	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	27	Decision sight distance score	81	Rock friction score	50
AADT	7,190	Road width (ft)	37	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	8	Diff. erosion rates score	81
Section length (mi)	0.13	Annual rainfall (in. per year)	29	Diff. erosion features	Major erosion features
AVR percent	78	Rainfall score	24	Diff. erosion feat. score	81
AVR score	31	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	50

C000090 W **RHRS score 436** Rating date 28-May-2004
024+0.590 to 024+0.720 Section number 1172 Posted speed 50

Slope height (ft)	155	Measured sight distance (ft)	205	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	27	Rock friction	
Ditch score	20	Decision sight distance score	100	Rock friction score	0
AADT	7,190	Road width (ft)	38	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	7	Diff. erosion rates score	50
Section length (mi)	0.15	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	90	Rainfall score	30	Diff. erosion feat. score	60
AVR score	52	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000090 W **RHRS score 489** Rating date 01-Jun-2004
026+0.240 to 026+0.430 Section number 1177 Posted speed 55

Slope height (ft)	115	Measured sight distance (ft)	130	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	15	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	27
AADT	7,190	Road width (ft)	32	Diff. erosion rates	
AADT year	2002	Road width score	16	Diff. erosion rates score	0
Section length (mi)	0.19	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	103	Rainfall score	19	Diff. erosion feat. score	0
AVR score	94	Block size (ft) and score	4 /81	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	3

C000090 W **RHRS score 398** Rating date 27-May-2004
026+0.510 to 026+0.750 Section number 1178 Posted speed 75

Slope height (ft)	207	Measured sight distance (ft)	800	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	68	Rock friction	Planar
Ditch score	20	Decision sight distance score	17	Rock friction score	20
AADT	7,190	Road width (ft)	33	Diff. erosion rates	
AADT year	2002	Road width score	14	Diff. erosion rates score	0
Section length (mi)	0.24	Annual rainfall (in. per year)	27	Diff. erosion features	
AVR percent	96	Rainfall score	19	Diff. erosion feat. score	0
AVR score	68	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000090 W **RHRS score 455** Rating date 27-May-2004
027+0.790 to 028+0.090 Section number 1181 Posted speed 55

Slope height (ft)	212	Measured sight distance (ft)	1,05	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	120	Rock friction	Planar
Ditch score	20	Decision sight distance score	1	Rock friction score	20
AADT	7,190	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.30	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	163	Rainfall score	30	Diff. erosion feat. score	0
AVR score	100	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000090 W **RHRS score 422** Rating date 21-Jul-2004
136+0.100 to 136+0.360 Section number 1201 Posted speed 75

Slope height (ft)	110	Measured sight distance (ft)	520	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	44	Rock friction	Undulating
Ditch score	20	Decision sight distance score	65	Rock friction score	20
AADT	8,830	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.26	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	128	Rainfall score	6	Diff. erosion feat. score	0
AVR score	100	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	27

C000090 W **RHRS score 387** Rating date 23-Nov-2004
137+0.160 to 137+0.360 Section number 1202 Posted speed 75

Slope height (ft)	110	Measured sight distance (ft)	470	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	70
Ditch effectiveness	Moderate	Percent decision sight distance	40	Rock friction	Planar
Ditch score	9	Decision sight distance score	81	Rock friction score	27
AADT	8,830	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.20	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	98	Rainfall score	6	Diff. erosion feat. score	0
AVR score	75	Block size (ft) and score	2 /9	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	3

C000090 W **RHRS score 559** Rating date 24-May-2004
231+0.380 to 231+0.650 Section number 1213 Posted speed 75

Slope height (ft)	105	Measured sight distance (ft)	460	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	39	Rock friction	Undulating
Ditch score	50	Decision sight distance score	86	Rock friction score	25
AADT	9,720	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.27	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	146	Rainfall score	5	Diff. erosion feat. score	0
AVR score	100	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	25

C000090 W **RHRS score 473** Rating date 22-May-2004
231+0.950 to 232+0.160 Section number 1218 Posted speed 75

Slope height (ft)	105	Measured sight distance (ft)	500	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	42	Rock friction	
Ditch score	45	Decision sight distance score	73	Rock friction score	0
AADT	9,720	Road width (ft)	38	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	7	Diff. erosion rates score	40
Section length (mi)	0.21	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	113	Rainfall score	6	Diff. erosion feat. score	40
AVR score	100	Block size (ft) and score	4 /47	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	15

C000090 W **RHRS score 354** Rating date 22-May-2004
232+0.210 to 232+0.300 Section number 1219 Posted speed 75

Slope height (ft)	114	Measured sight distance (ft)	710	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	60	Rock friction	Undulating
Ditch score	50	Decision sight distance score	27	Rock friction score	20
AADT	9,720	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	49	Rainfall score	6	Diff. erosion feat. score	0
AVR score	8	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	8 /19	History score	15

C000090 E **RHRS score 429** Rating date 22-May-2004
232+0.690 to 232+0.990 Section number 1221 Posted speed 75

Slope height (ft)	59	Measured sight distance (ft)	430	Structural condition	Discontinuous / adverse
Slope height score	14	AASHTO sight distance (ft)	1,185	Structural cond. score	35
Ditch effectiveness	Moderate	Percent decision sight distance	36	Rock friction	Planar
Ditch score	23	Decision sight distance score	100	Rock friction score	27
AADT	9,720	Road width (ft)	39	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	6	Diff. erosion rates score	25
Section length (mi)	0.30	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	162	Rainfall score	6	Diff. erosion feat. score	35
AVR score	100	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	3 /3	History score	18

C000090 W **RHRS score 410** Rating date 22-May-2004
237+0.090 to 237+0.330 Section number 1237 Posted speed 75

Slope height (ft)	95	Measured sight distance (ft)	550	Structural condition	Discontinuous / adverse
Slope height score	64	AASHTO sight distance (ft)	1,185	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	46	Rock friction	Undulating
Ditch score	13	Decision sight distance score	58	Rock friction score	24
AADT	7,440	Road width (ft)	37	Diff. erosion rates	
AADT year	2002	Road width score	8	Diff. erosion rates score	0
Section length (mi)	0.24	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	99	Rainfall score	5	Diff. erosion feat. score	0
AVR score	78	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C000090 E **RHRS score 445** Rating date 22-May-2004
237+0.110 to 237+0.530 Section number 1238 Posted speed 45

Slope height (ft)	114	Measured sight distance (ft)	460	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	65
Ditch effectiveness	Moderate	Percent decision sight distance	68	Rock friction	Planar
Ditch score	25	Decision sight distance score	17	Rock friction score	30
AADT	7,440	Road width (ft)	38	Diff. erosion rates	
AADT year	2002	Road width score	7	Diff. erosion rates score	0
Section length (mi)	0.42	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	289	Rainfall score	5	Diff. erosion feat. score	0
AVR score	100	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	15

C000090 E **RHRS score 373** Rating date 24-May-2004
260+0.450 to 260+0.660 Section number 1258 Posted speed 75

Slope height (ft)	53	Measured sight distance (ft)	510	Structural condition	
Slope height score	10	AASHTO sight distance (ft)	1,185	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	43	Rock friction	
Ditch score	25	Decision sight distance score	69	Rock friction score	0
AADT	6,840	Road width (ft)	40	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	5	Diff. erosion rates score	65
Section length (mi)	0.21	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	80	Rainfall score	4	Diff. erosion feat. score	65
AVR score	33	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	70

C000090 W **RHRS score 443** Rating date 28-May-2004
315+0.070 to 315+0.190 Section number 1260 Posted speed 75

Slope height (ft)	148	Measured sight distance (ft)	550	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	46	Rock friction	Undulating
Ditch score	18	Decision sight distance score	58	Rock friction score	22
AADT	12,130	Road width (ft)	32	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	16	Diff. erosion rates score	60
Section length (mi)	0.12	Annual rainfall (in. per year)	25	Diff. erosion features	Occ. erosion features
AVR percent	81	Rainfall score	16	Diff. erosion feat. score	25
AVR score	35	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C000090 W **RHRS score 641** Rating date 28-May-2004
315+0.260 to 315+0.500 Section number 1261 Posted speed 75

Slope height (ft)	91	Measured sight distance (ft)	460	Structural condition	Continuous / adverse
Slope height score	54	AASHTO sight distance (ft)	1,185	Structural cond. score	90
Ditch effectiveness	Limited	Percent decision sight distance	39	Rock friction	Undulating
Ditch score	70	Decision sight distance score	86	Rock friction score	23
AADT	12,130	Road width (ft)	33	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	14	Diff. erosion rates score	55
Section length (mi)	0.24	Annual rainfall (in. per year)	25	Diff. erosion features	Many erosion features
AVR percent	162	Rainfall score	16	Diff. erosion feat. score	70
AVR score	100	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	95

C000090 W **RHRS score 399** Rating date 28-May-2004
316+0.980 to 317+0.360 Section number 1264 Posted speed 55

Slope height (ft)	118	Measured sight distance (ft)	720	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	82	Rock friction	
Ditch score	24	Decision sight distance score	8	Rock friction score	0
AADT	12,130	Road width (ft)	32	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	16	Diff. erosion rates score	25
Section length (mi)	0.38	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	349	Rainfall score	19	Diff. erosion feat. score	35
AVR score	100	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	45

C000090 W **RHRS score 406** Rating date 28-May-2004
317+0.560 to 317+0.780 Section number 1265 Posted speed 55

Slope height (ft)	146	Measured sight distance (ft)	490	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	56	Rock friction	
Ditch score	22	Decision sight distance score	34	Rock friction score	0
AADT	12,130	Road width (ft)	33	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	14	Diff. erosion rates score	35
Section length (mi)	0.22	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	202	Rainfall score	19	Diff. erosion feat. score	35
AVR score	100	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	7 /13	History score	20

C000090 W **RHRS score 404** Rating date 28-May-2004
320+0.760 to 320+0.840 Section number 1266 Posted speed 75

Slope height (ft)	79	Measured sight distance (ft)	1,05	Structural condition	Continuous / adverse
Slope height score	32	AASHTO sight distance (ft)	1,185	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	89	Rock friction	Planar
Ditch score	24	Decision sight distance score	5	Rock friction score	27
AADT	12,130	Road width (ft)	38	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	7	Diff. erosion rates score	95
Section length (mi)	0.08	Annual rainfall (in. per year)	27	Diff. erosion features	Occ. erosion features
AVR percent	54	Rainfall score	19	Diff. erosion feat. score	26
AVR score	11	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	85

C000090 E **RHRS score 438** Rating date 28-May-2004
350+0.690 to 350+0.890 Section number 1268 Posted speed 75

Slope height (ft)	199	Measured sight distance (ft)	1,00	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	84	Rock friction	Undulating
Ditch score	20	Decision sight distance score	7	Rock friction score	16
AADT	9,360	Road width (ft)	34	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	12	Diff. erosion rates score	20
Section length (mi)	0.20	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	104	Rainfall score	5	Diff. erosion feat. score	55
AVR score	97	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	22

C000090 E **RHRS score 386** Rating date 28-May-2004
353+0.170 to 353+0.350 Section number 1270 Posted speed 75

Slope height (ft)	174	Measured sight distance (ft)	700	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,185	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	59	Rock friction	Undulating
Ditch score	18	Decision sight distance score	29	Rock friction score	20
AADT	9,360	Road width (ft)	34	Diff. erosion rates	
AADT year	2002	Road width score	12	Diff. erosion rates score	0
Section length (mi)	0.18	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	94	Rainfall score	5	Diff. erosion feat. score	0
AVR score	61	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	20

C000093 E **RHRS score 448** Rating date 14-Jun-2004
000+0.830 to 000+0.870 Section number 1273 Posted speed 60

Slope height (ft)	71	Measured sight distance (ft)	650	Structural condition	Continuous / adverse
Slope height score	23	AASHTO sight distance (ft)	1,000	Structural cond. score	65
Ditch effectiveness	Moderate	Percent decision sight distance	65	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	21	Rock friction score	81
AADT	1,205	Road width (ft)	30	Diff. erosion rates	
AADT year	2002	Road width score	21	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	55	Diff. erosion features	
AVR percent	3	Rainfall score	100	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	27

C000093 E **RHRS score 582** Rating date 14-Jun-2004
001+0.060 to 001+0.260 Section number 1275 Posted speed 35

Slope height (ft)	111	Measured sight distance (ft)	210	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	40	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	81	Rock friction score	81
AADT	1,205	Road width (ft)	29	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	24	Diff. erosion rates score	81
Section length (mi)	0.20	Annual rainfall (in. per year)	55	Diff. erosion features	Many erosion features
AVR percent	29	Rainfall score	100	Diff. erosion feat. score	45
AVR score	4	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	27

C000093 E **RHRS score 478** Rating date 14-Jun-2004
002+0.860 to 002+0.900 Section number 1277 Posted speed 35

Slope height (ft)	81	Measured sight distance (ft)	380	Structural condition	Continuous / adverse
Slope height score	34	AASHTO sight distance (ft)	525	Structural cond. score	100
Ditch effectiveness	Limited	Percent decision sight distance	72	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	14	Rock friction score	75
AADT	1,205	Road width (ft)	31	Diff. erosion rates	
AADT year	2002	Road width score	18	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	53	Diff. erosion features	
AVR percent	6	Rainfall score	100	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C000093 E **RHRS score 464** Rating date 14-Jun-2004
002+0.930 to 002+0.980 Section number 1278 Posted speed 35

Slope height (ft)	49	Measured sight distance (ft)	185	Structural condition	Discontinuous / adverse
Slope height score	9	AASHTO sight distance (ft)	525	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	35	Rock friction	Undulating
Ditch score	27	Decision sight distance score	100	Rock friction score	40
AADT	1,205	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	70
Section length (mi)	0.05	Annual rainfall (in. per year)	53	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	100	Diff. erosion feat. score	27
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	9

C000093 E **RHRS score 418** Rating date 14-Jun-2004
003+0.030 to 003+0.080 Section number 1279 Posted speed 35

Slope height (ft)	53	Measured sight distance (ft)	320	Structural condition	Discontinuous / adverse
Slope height score	10	AASHTO sight distance (ft)	525	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	61	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	26	Rock friction score	60
AADT	1,205	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	53	Diff. erosion features	
AVR percent	7	Rainfall score	100	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	45 /100	History score	27

C000093 E **RHRS score 365** Rating date 14-Jun-2004
009+0.700 to 009+0.760 Section number 1286 Posted speed 70

Slope height (ft)	73	Measured sight distance (ft)	840	Structural condition	Discontinuous / adverse
Slope height score	24	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	76	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	11	Rock friction score	70
AADT	1,305	Road width (ft)	29	Diff. erosion rates	
AADT year	2002	Road width score	24	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	41	Diff. erosion features	
AVR percent	5	Rainfall score	90	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	9

C000093 E **RHRS score 429** Rating date 14-Jun-2004
010+0.230 to 010+0.280 Section number 1287 Posted speed 35

Slope height (ft)	99	Measured sight distance (ft)	190	Structural condition	Discontinuous / adverse
Slope height score	77	AASHTO sight distance (ft)	525	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	100	Rock friction score	3
AADT	1,305	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	8	Rainfall score	58	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C000093 E **RHRS score 385** Rating date 14-Jun-2004
010+0.600 to 010+0.660 Section number 1288 Posted speed 35

Slope height (ft)	57	Measured sight distance (ft)	285	Structural condition	Discontinuous / adverse
Slope height score	12	AASHTO sight distance (ft)	525	Structural cond. score	60
Ditch effectiveness	Moderate	Percent decision sight distance	54	Rock friction	Clay infilling / slickensided
Ditch score	9	Decision sight distance score	38	Rock friction score	70
AADT	1,305	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	9	Rainfall score	58	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	9

C000093 E **RHRS score 403** Rating date 14-Jun-2004
011+0.050 to 011+0.230 Section number 1290 Posted speed 35

Slope height (ft)	51	Measured sight distance (ft)	205	Structural condition	
Slope height score	9	AASHTO sight distance (ft)	525	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	39	Rock friction	
Ditch score	9	Decision sight distance score	86	Rock friction score	0
AADT	1,305	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	60
Section length (mi)	0.18	Annual rainfall (in. per year)	39	Diff. erosion features	Many erosion features
AVR percent	28	Rainfall score	73	Diff. erosion feat. score	27
AVR score	3	Block size (ft) and score	2 /9	Rockfall history	Occasional
		Fall volume (cy) and score	15 /100	History score	9

C000093 E **RHRS score 443** Rating date 14-Jun-2004
012+0.430 to 012+0.480 Section number 1292 Posted speed 70

Slope height (ft)	35	Measured sight distance (ft)	250	Structural condition	Discontinuous / adverse
Slope height score	5	AASHTO sight distance (ft)	1,105	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	23	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	100	Rock friction score	60
AADT	1,305	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	41	Diff. erosion features	
AVR percent	4	Rainfall score	90	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000093 E **RHRS score 580** Rating date 14-Jun-2004
012+0.820 to 012+0.900 Section number 1293 Posted speed 70

Slope height (ft)	90	Measured sight distance (ft)	260	Structural condition	Continuous / adverse
Slope height score	52	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	24	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	100	Rock friction score	75
AADT	1,305	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	41	Diff. erosion features	
AVR percent	6	Rainfall score	90	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	40 /100	History score	27

C000093 E **RHRS score 471** Rating date 14-Jun-2004
013+0.070 to 013+0.170 Section number 1295 Posted speed 70

Slope height (ft)	57	Measured sight distance (ft)	450	Structural condition	Continuous / adverse
Slope height score	12	AASHTO sight distance (ft)	1,105	Structural cond. score	65
Ditch effectiveness	Moderate	Percent decision sight distance	41	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	77	Rock friction score	70
AADT	1,305	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	70
Section length (mi)	0.10	Annual rainfall (in. per year)	41	Diff. erosion features	Many erosion features
AVR percent	8	Rainfall score	90	Diff. erosion feat. score	45
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	30 /100	History score	9

C000093 E **RHRS score 368** Rating date 14-Jun-2004
013+0.460 to 013+0.580 Section number 1296 Posted speed 70

Slope height (ft)	46	Measured sight distance (ft)	295	Structural condition	Discontinuous / adverse
Slope height score	7	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	27	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	27
AADT	1,305	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	45
Section length (mi)	0.12	Annual rainfall (in. per year)	41	Diff. erosion features	Many erosion features
AVR percent	9	Rainfall score	90	Diff. erosion feat. score	40
AVR score	2	Block size (ft) and score	1 /3	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C000093 E **RHRS score 477** Rating date 14-Jun-2004
015+0.090 to 015+0.240 Section number 1299 Posted speed 70

Slope height (ft)	62	Measured sight distance (ft)	300	Structural condition	Continuous / adverse
Slope height score	15	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	27	Rock friction	Clay infilling / slickensided
Ditch score	15	Decision sight distance score	100	Rock friction score	70
AADT	1,305	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	12	Rainfall score	58	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	30 /100	History score	9

C000093 E **RHRS score 564** Rating date 14-Jun-2004
018+0.110 to 018+0.200 Section number 1304 Posted speed 70

Slope height (ft)	134	Measured sight distance (ft)	300	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	95
Ditch effectiveness	Moderate	Percent decision sight distance	27	Rock friction	Clay infilling / slickensided
Ditch score	15	Decision sight distance score	100	Rock friction score	70
AADT	1,445	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	27
Section length (mi)	0.09	Annual rainfall (in. per year)	35	Diff. erosion features	Many erosion features
AVR percent	8	Rainfall score	47	Diff. erosion feat. score	70
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	9

C000210 E **RHRS score 424** Rating date 21-Jul-2004
005+0.690 to 005+0.860 Section number 1316 Posted speed 60

Slope height (ft)	130	Measured sight distance (ft)	405	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	40	Decision sight distance score	81	Rock friction score	50
AADT	1,120	Road width (ft)	26	Diff. erosion rates	
AADT year	2002	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.17	Annual rainfall (in. per year)	19	Diff. erosion features	
AVR percent	13	Rainfall score	8	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	7 /13	History score	40

C000284 S **RHRS score 372** Rating date 23-Jun-2004
008+0.430 to 008+0.510 Section number 1374 Posted speed 45

Slope height (ft)	24	Measured sight distance (ft)	124	Structural condition	Discontinuous / adverse
Slope height score	3	AASHTO sight distance (ft)	675	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	18	Rock friction	Planar
Ditch score	75	Decision sight distance score	100	Rock friction score	50
AADT	820	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	5	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Occasional
		Fall volume (cy) and score	1 /1	History score	20

C000284 S **RHRS score 367** Rating date 23-Jun-2004
008+0.830 to 008+0.890 Section number 1380 Posted speed 25

Slope height (ft)	99	Measured sight distance (ft)	175	Structural condition	Discontinuous / favorabl
Slope height score	79	AASHTO sight distance (ft)	375	Structural cond. score	25
Ditch effectiveness	Limited	Percent decision sight distance	47	Rock friction	Rough / irregular
Ditch score	70	Decision sight distance score	55	Rock friction score	20
AADT	820	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	8	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	40

C000284 S **RHRS score 384** Rating date 23-Jun-2004
009+0.170 to 009+0.270 Section number 1382 Posted speed 35

Slope height (ft)	51	Measured sight distance (ft)	165	Structural condition	Discontinuous / adverse
Slope height score	9	AASHTO sight distance (ft)	525	Structural cond. score	70
Ditch effectiveness	None	Percent decision sight distance	31	Rock friction	Rough / irregular
Ditch score	81	Decision sight distance score	100	Rock friction score	30
AADT	510	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	6	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	40

C000294 E **RHRS score 387** Rating date 01-Jul-2004
015+0.220 to 015+0.260 Section number 1387 Posted speed 70

Slope height (ft)	27	Measured sight distance (ft)	312	Structural condition	Continuous / adverse
Slope height score	3	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	28	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	100	Rock friction score	9
AADT	110	Road width (ft)	25	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	41	Diff. erosion rates score	81
Section length (mi)	0.04	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	0	Rainfall score	5	Diff. erosion feat. score	27
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	2 /2	History score	75

C000330 W **RHRS score 438** Rating date 19-Jul-2004
012+0.690 to 012+0.810 Section number 1398 Posted speed 70

Slope height (ft)	75	Measured sight distance (ft)	374	Structural condition	Discontinuous / random
Slope height score	27	AASHTO sight distance (ft)	1,105	Structural cond. score	9
Ditch effectiveness	Limited	Percent decision sight distance	34	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	100	Rock friction score	3
AADT	185	Road width (ft)	28	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	27	Diff. erosion rates score	60
Section length (mi)	0.12	Annual rainfall (in. per year)	15	Diff. erosion features	Major erosion features
AVR percent	1	Rainfall score	5	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	70

C000330 W **RHRS score 478** Rating date 19-Jul-2004
012+0.850 to 013+0.150 Section number 1399 Posted speed 45

Slope height (ft)	92	Measured sight distance (ft)	181	Structural condition	Discontinuous / random
Slope height score	56	AASHTO sight distance (ft)	675	Structural cond. score	35
Ditch effectiveness	Limited	Percent decision sight distance	27	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	100	Rock friction score	3
AADT	185	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	60
Section length (mi)	0.31	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	5	Rainfall score	5	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	8 /19	History score	81

C000330 W **RHRS score 376** Rating date 19-Jul-2004
014+0.740 to 015+0.230 Section number 1401 Posted speed 50

Slope height (ft)	70	Measured sight distance (ft)	174	Structural condition	Discontinuous / favorabl
Slope height score	22	AASHTO sight distance (ft)	750	Structural cond. score	9
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Undulating
Ditch score	27	Decision sight distance score	100	Rock friction score	15
AADT	185	Road width (ft)	26	Diff. erosion rates	Moderate difference
AADT year	2002	Road width score	36	Diff. erosion rates score	20
Section length (mi)	0.49	Annual rainfall (in. per year)	15	Diff. erosion features	Occ. erosion features
AVR percent	8	Rainfall score	5	Diff. erosion feat. score	15
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	15 /100	History score	50

C000330 W **RHRS score 389** Rating date 19-Jul-2004
017+0.470 to 017+0.620 Section number 1404 Posted speed 50

Slope height (ft)	31	Measured sight distance (ft)	634	Structural condition	Discontinuous / random
Slope height score	4	AASHTO sight distance (ft)	750	Structural cond. score	20
Ditch effectiveness	Limited	Percent decision sight distance	85	Rock friction	Rough / irregular
Ditch score	70	Decision sight distance score	7	Rock friction score	20
AADT	185	Road width (ft)	17	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	100	Diff. erosion rates score	50
Section length (mi)	0.19	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	3	Rainfall score	5	Diff. erosion feat. score	70
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	55

C000330 W **RHRS score 358** Rating date 19-Jul-2004
019+0.440 to 019+0.470 Section number 1407 Posted speed 50

Slope height (ft)	72	Measured sight distance (ft)	437	Structural condition	Discontinuous / adverse
Slope height score	24	AASHTO sight distance (ft)	750	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	58	Rock friction	Undulating
Ditch score	15	Decision sight distance score	30	Rock friction score	25
AADT	185	Road width (ft)	18	Diff. erosion rates	
AADT year	2002	Road width score	100	Diff. erosion rates score	0
Section length (mi)	0.03	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	0	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C000330 W **RHRS score 445** Rating date 19-Jul-2004
019+0.540 to 019+0.640 Section number 1408 Posted speed 50

Slope height (ft)	156	Measured sight distance (ft)	486	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	750	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	65	Rock friction	Planar
Ditch score	35	Decision sight distance score	21	Rock friction score	27
AADT	185	Road width (ft)	18	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	100	Diff. erosion rates score	27
Section length (mi)	0.10	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	5	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	35

C000331 N **RHRS score 408** Rating date 22-Jul-2004
000+0.240 to 000+0.480 Section number 1410 Posted speed 45

Slope height (ft)	39	Measured sight distance (ft)	221	Structural condition	Discontinuous / adverse
Slope height score	6	AASHTO sight distance (ft)	675	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	33	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	27
AADT	980	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	70
Section length (mi)	0.24	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	22	Rainfall score	6	Diff. erosion feat. score	70
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	9

C000331 N **RHRS score 421** Rating date 22-Jul-2004
000+0.500 to 000+0.700 Section number 1411 Posted speed 45

Slope height (ft)	117	Measured sight distance (ft)	435	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	40
Ditch effectiveness	Moderate	Percent decision sight distance	64	Rock friction	Rough / irregular
Ditch score	20	Decision sight distance score	22	Rock friction score	8
AADT	980	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	70
Section length (mi)	0.20	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	18	Rainfall score	6	Diff. erosion feat. score	75
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	12 /81	History score	9

C000382 N **RHRS score 363** Rating date 10-Jun-2004
002+0.080 to 002+0.160 Section number 1425 Posted speed 70

Slope height (ft)	104	Measured sight distance (ft)	310	Structural condition	Continuous / adverse
Slope height score	96	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	28	Rock friction	Planar
Ditch score	20	Decision sight distance score	100	Rock friction score	20
AADT	455	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	2	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	3

C000382 N **RHRS score 463** Rating date 10-Jun-2004
002+0.870 to 002+0.960 Section number 1429 Posted speed 70

Slope height (ft)	60	Measured sight distance (ft)	500	Structural condition	Continuous / adverse
Slope height score	14	AASHTO sight distance (ft)	1,105	Structural cond. score	95
Ditch effectiveness	Limited	Percent decision sight distance	45	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	62	Rock friction score	100
AADT	455	Road width (ft)	27	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	31	Diff. erosion rates score	100
Section length (mi)	0.09	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	6	Diff. erosion feat. score	27
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	100 /100	History score	27

C000419 W **RHRS score 508** Rating date 02-Jun-2004
007+0.160 to 007+0.350 Section number 1436 Posted speed 70

Slope height (ft)	178	Measured sight distance (ft)	525	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	48	Rock friction	
Ditch score	75	Decision sight distance score	52	Rock friction score	0
AADT	945	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	27	Diff. erosion rates score	70
Section length (mi)	0.19	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	11	Rainfall score	10	Diff. erosion feat. score	60
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	65

C000419 W **RHRS score 362** Rating date 02-Jun-2004
010+0.560 to 010+0.930 Section number 1439 Posted speed 70

Slope height (ft)	88	Measured sight distance (ft)	410	Structural condition	
Slope height score	47	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	
Ditch score	50	Decision sight distance score	96	Rock friction score	0
AADT	945	Road width (ft)	31	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	18	Diff. erosion rates score	40
Section length (mi)	0.37	Annual rainfall (in. per year)	21	Diff. erosion features	Many erosion features
AVR percent	21	Rainfall score	10	Diff. erosion feat. score	60
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Few
		Fall volume (cy) and score	1 /1	History score	12

C000471 W **RHRS score 355** Rating date 27-May-2004
018+0.380 to 018+0.470 Section number 1481 Posted speed 70

Slope height (ft)	72	Measured sight distance (ft)	405	Structural condition	
Slope height score	23	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	37	Rock friction	
Ditch score	15	Decision sight distance score	96	Rock friction score	0
AADT	245	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	27
Section length (mi)	0.09	Annual rainfall (in. per year)	55	Diff. erosion features	Many erosion features
AVR percent	1	Rainfall score	100	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	3

C000472 N **RHRS score 426** Rating date 27-May-2004
020+0.460 to 020+0.600 Section number 1489 Posted speed 35

Slope height (ft)	61	Measured sight distance (ft)	210	Structural condition	Continuous / adverse
Slope height score	14	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Clay infilling / slickensided
Ditch score	40	Decision sight distance score	81	Rock friction score	60
AADT	270	Road width (ft)	21	Diff. erosion rates	
AADT year	2002	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.14	Annual rainfall (in. per year)	29	Diff. erosion features	
AVR percent	4	Rainfall score	24	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000472 N **RHRS score 355** Rating date 27-May-2004
020+0.630 to 020+0.730 Section number 1490 Posted speed 35

Slope height (ft)	53	Measured sight distance (ft)	255	Structural condition	Discontinuous / random
Slope height score	10	AASHTO sight distance (ft)	525	Structural cond. score	9
Ditch effectiveness	Limited	Percent decision sight distance	49	Rock friction	Clay infilling / slickensided
Ditch score	50	Decision sight distance score	49	Rock friction score	81
AADT	270	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	27
Section length (mi)	0.10	Annual rainfall (in. per year)	31	Diff. erosion features	Occ. erosion features
AVR percent	3	Rainfall score	30	Diff. erosion feat. score	9
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000472 N **RHRS score 602** Rating date 29-Jun-2004
020+0.990 to 021+0.050 Section number 1493 Posted speed 35

Slope height (ft)	140	Measured sight distance (ft)	240	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	46	Rock friction	
Ditch score	70	Decision sight distance score	58	Rock friction score	0
AADT	270	Road width (ft)	21	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	71	Diff. erosion rates score	60
Section length (mi)	0.06	Annual rainfall (in. per year)	31	Diff. erosion features	Major erosion features
AVR percent	2	Rainfall score	30	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	50

C000472 N **RHRS score 502** Rating date 26-May-2004
021+0.290 to 021+0.350 Section number 1495 Posted speed 35

Slope height (ft)	70	Measured sight distance (ft)	255	Structural condition	Continuous / adverse
Slope height score	21	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	49	Rock friction	Clay infilling / slickensided
Ditch score	50	Decision sight distance score	49	Rock friction score	81
AADT	270	Road width (ft)	22	Diff. erosion rates	
AADT year	2002	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	31	Diff. erosion features	
AVR percent	2	Rainfall score	30	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	6 /100	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000486 N **RHRS score 357** Rating date 20-May-2004
007+0.280 to 007+0.360 Section number 1500 Posted speed 70

Slope height (ft)	66	Measured sight distance (ft)	810	Structural condition	Continuous / adverse
Slope height score	18	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	73	Rock friction	Planar
Ditch score	15	Decision sight distance score	13	Rock friction score	35
AADT	275	Road width (ft)	35	Diff. erosion rates	
AADT year	2002	Road width score	10	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	40	Diff. erosion features	
AVR percent	1	Rainfall score	81	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Few
		Fall volume (cy) and score	5 /6	History score	3

C000508 N **RHRS score 483** Rating date 25-May-2004
006+0.620 to 006+0.920 Section number 1518 Posted speed 70

Slope height (ft)	115	Measured sight distance (ft)	440	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	40	Decision sight distance score	81	Rock friction score	20
AADT	395	Road width (ft)	33	Diff. erosion rates	
AADT year	2002	Road width score	14	Diff. erosion rates score	0
Section length (mi)	0.30	Annual rainfall (in. per year)	33	Diff. erosion features	
AVR percent	7	Rainfall score	38	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000540 N **RHRS score 520** Rating date 07-Jun-2004
004+0.330 to 004+0.460 Section number 1549 Posted speed 35

Slope height (ft)	135	Measured sight distance (ft)	400	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	525	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	76	Rock friction	Planar
Ditch score	55	Decision sight distance score	11	Rock friction score	27
AADT	240	Road width (ft)	21	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	71	Diff. erosion rates score	55
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	Major erosion features
AVR percent	4	Rainfall score	5	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	60

C000556 N **RHRS score 443** Rating date 02-Jun-2004
001+0.120 to 001+0.200 Section number 1558 Posted speed 55

Slope height (ft)	277	Measured sight distance (ft)	375	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	43	Rock friction	Planar
Ditch score	20	Decision sight distance score	69	Rock friction score	20
AADT	120	Road width (ft)	28	Diff. erosion rates	
AADT year	2002	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	25	Diff. erosion features	
AVR percent	1	Rainfall score	16	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	1 /100	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	9

C000556 N **RHRS score 361** Rating date 02-Jun-2004
004+0.010 to 004+0.150 Section number 1562 Posted speed 55

Slope height (ft)	400	Measured sight distance (ft)	420	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	48	Rock friction	
Ditch score	27	Decision sight distance score	52	Rock friction score	0
AADT	120	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	27
Section length (mi)	0.14	Annual rainfall (in. per year)	29	Diff. erosion features	Major erosion features
AVR percent	1	Rainfall score	24	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Occasional
		Fall volume (cy) and score	1 /1	History score	9

C000567 N **RHRS score 466** Rating date 24-May-2004
010+0.970 to 011+0.070 Section number 1568 Posted speed 30

Slope height (ft)	55	Measured sight distance (ft)	110	Structural condition	Continuous / adverse
Slope height score	11	AASHTO sight distance (ft)	450	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	24	Rock friction	Planar
Ditch score	75	Decision sight distance score	100	Rock friction score	20
AADT	165	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	62	Diff. erosion rates score	40
Section length (mi)	0.10	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	19	Diff. erosion feat. score	27
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	50

C000567 N **RHRS score 356** Rating date 24-May-2004
021+0.060 to 021+0.110 Section number 1579 Posted speed 45

Slope height (ft)	44	Measured sight distance (ft)	140	Structural condition	
Slope height score	7	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	21	Rock friction	
Ditch score	50	Decision sight distance score	100	Rock friction score	0
AADT	135	Road width (ft)	20	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	81	Diff. erosion rates score	27
Section length (mi)	0.05	Annual rainfall (in. per year)	33	Diff. erosion features	Many erosion features
AVR percent	1	Rainfall score	38	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C000567 N **RHRS score 392** Rating date 24-May-2004
021+0.330 to 021+0.360 Section number 1581 Posted speed 45

Slope height (ft)	56	Measured sight distance (ft)	140	Structural condition	
Slope height score	11	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	21	Rock friction	
Ditch score	60	Decision sight distance score	100	Rock friction score	0
AADT	135	Road width (ft)	18	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	100	Diff. erosion rates score	27
Section length (mi)	0.03	Annual rainfall (in. per year)	35	Diff. erosion features	Many erosion features
AVR percent	0	Rainfall score	47	Diff. erosion feat. score	35
AVR score	1	Block size (ft) and score	2 /5	Rockfall history	Few
		Fall volume (cy) and score	0 /1	History score	6

C000567 N **RHRS score 448** Rating date 24-May-2004
021+0.430 to 021+0.480 Section number 1583 Posted speed 45

Slope height (ft)	56	Measured sight distance (ft)	115	Structural condition	
Slope height score	12	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	None	Percent decision sight distance	17	Rock friction	
Ditch score	75	Decision sight distance score	100	Rock friction score	0
AADT	135	Road width (ft)	17	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	100	Diff. erosion rates score	27
Section length (mi)	0.05	Annual rainfall (in. per year)	35	Diff. erosion features	Many erosion features
AVR percent	1	Rainfall score	47	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C000567 N **RHRS score 352** Rating date 24-May-2004
022+0.550 to 022+0.640 Section number 1586 Posted speed 45

Slope height (ft)	26	Measured sight distance (ft)	420	Structural condition	Continuous / adverse
Slope height score	3	AASHTO sight distance (ft)	675	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	62	Rock friction	Planar
Ditch score	20	Decision sight distance score	24	Rock friction score	40
AADT	135	Road width (ft)	14	Diff. erosion rates	
AADT year	2002	Road width score	100	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	35	Diff. erosion features	
AVR percent	1	Rainfall score	47	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /16	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	20

C000567 N **RHRS score 539** Rating date 24-May-2004
022+0.840 to 022+0.940 Section number 1587 Posted speed 45

Slope height (ft)	55	Measured sight distance (ft)	160	Structural condition	Continuous / adverse
Slope height score	11	AASHTO sight distance (ft)	675	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	24	Rock friction	Planar
Ditch score	75	Decision sight distance score	100	Rock friction score	50
AADT	135	Road width (ft)	14	Diff. erosion rates	
AADT year	2002	Road width score	100	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	35	Diff. erosion features	
AVR percent	1	Rainfall score	47	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C007603 N **RHRS score 401** Rating date 19-Jul-2004
006+0.640 to 006+0.770 Section number 1592 Posted speed 70

Slope height (ft)	71	Measured sight distance (ft)	199	Structural condition	Discontinuous / random
Slope height score	22	AASHTO sight distance (ft)	1,105	Structural cond. score	9
Ditch effectiveness	Limited	Percent decision sight distance	18	Rock friction	Rough / irregular
Ditch score	60	Decision sight distance score	100	Rock friction score	3
AADT	580	Road width (ft)	22	Diff. erosion rates	Moderate difference
AADT year	1998	Road width score	62	Diff. erosion rates score	20
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	4	Rainfall score	5	Diff. erosion feat. score	27
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	7 /13	History score	23

C015516 E **RHRS score 489** Rating date 20-May-2004
002+0.160 to 002+0.560 Section number 1599 Posted speed 55

Slope height (ft)	159	Measured sight distance (ft)	166	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	875	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	19	Rock friction	Planar
Ditch score	20	Decision sight distance score	100	Rock friction score	25
AADT	576	Road width (ft)	24	Diff. erosion rates	
AADT year	2004	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.40	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	17	Rainfall score	58	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	4 /47	Rockfall history	Occasional
		Fall volume (cy) and score	6 /9	History score	9

C015516 E **RHRS score 395** Rating date 20-May-2004
002+0.560 to 002+0.770 Section number 1601 Posted speed 55

Slope height (ft)	91	Measured sight distance (ft)	310	Structural condition	Discontinuous / adverse
Slope height score	56	AASHTO sight distance (ft)	875	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	35	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	20
AADT	576	Road width (ft)	24	Diff. erosion rates	
AADT year	2004	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.21	Annual rainfall (in. per year)	37	Diff. erosion features	
AVR percent	9	Rainfall score	58	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C018203 N **RHRS score 378** Rating date 20-Sep-2004
006+0.720 to 006+0.740 Section number 1619 Posted speed 25

Slope height (ft)	44	Measured sight distance (ft)	130	Structural condition	
Slope height score	7	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	35	Rock friction	
Ditch score	20	Decision sight distance score	100	Rock friction score	0
AADT	590	Road width (ft)	24	Diff. erosion rates	Large diff. / unfavorable str
AADT year	2002	Road width score	47	Diff. erosion rates score	81
Section length (mi)	0.02	Annual rainfall (in. per year)	35	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	47	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	3 /16	Rockfall history	Occasional
		Fall volume (cy) and score	0 /1	History score	9

C018203 N **RHRS score 424** Rating date 20-Sep-2004
008+0.330 to 008+0.380 Section number 1630 Posted speed 25

Slope height (ft)	78	Measured sight distance (ft)	200	Structural condition	
Slope height score	31	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	53	Rock friction	
Ditch score	20	Decision sight distance score	40	Rock friction score	0
AADT	590	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	50
Section length (mi)	0.05	Annual rainfall (in. per year)	43	Diff. erosion features	Major erosion features
AVR percent	5	Rainfall score	100	Diff. erosion feat. score	100
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	8 /19	History score	27

C018203 N **RHRS score 468** Rating date 20-Sep-2004
008+0.530 to 008+0.620 Section number 1632 Posted speed 25

Slope height (ft)	62	Measured sight distance (ft)	150	Structural condition	Discontinuous / adverse
Slope height score	15	AASHTO sight distance (ft)	375	Structural cond. score	27
Ditch effectiveness	Moderate	Percent decision sight distance	40	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	81	Rock friction score	50
AADT	590	Road width (ft)	24	Diff. erosion rates	
AADT year	2002	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.09	Annual rainfall (in. per year)	43	Diff. erosion features	
AVR percent	9	Rainfall score	100	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Many
		Fall volume (cy) and score	300 /100	History score	27

C018203 N **RHRS score 509** Rating date 20-Sep-2004
008+0.640 to 008+0.750 Section number 1633 Posted speed 25

Slope height (ft)	185	Measured sight distance (ft)	300	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	80	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	9	Rock friction score	50
AADT	590	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	36	Diff. erosion rates score	27
Section length (mi)	0.11	Annual rainfall (in. per year)	43	Diff. erosion features	Major erosion features
AVR percent	11	Rainfall score	100	Diff. erosion feat. score	81
AVR score	2	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	500 /100	History score	27

C018203 N **RHRS score 587** Rating date 20-Sep-2004
008+0.880 to 009+0.120 Section number 1635 Posted speed 25

Slope height (ft)	402	Measured sight distance (ft)	150	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	81	Rock friction score	50
AADT	590	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	27
Section length (mi)	0.24	Annual rainfall (in. per year)	45	Diff. erosion features	Major erosion features
AVR percent	24	Rainfall score	100	Diff. erosion feat. score	81
AVR score	3	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	500 /100	History score	27

C018203 N **RHRS score 469** Rating date 20-Sep-2004
009+0.220 to 009+0.370 Section number 1637 Posted speed 25

Slope height (ft)	231	Measured sight distance (ft)	145	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	39	Rock friction	Clay infilling / slickensided
Ditch score	27	Decision sight distance score	86	Rock friction score	50
AADT	590	Road width (ft)	25	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	41	Diff. erosion rates score	27
Section length (mi)	0.15	Annual rainfall (in. per year)	45	Diff. erosion features	Many erosion features
AVR percent	15	Rainfall score	100	Diff. erosion feat. score	27
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	9

C018203 N **RHRS score 576** Rating date 20-Sep-2004
009+0.740 to 010+0.140 Section number 1638 Posted speed 25

Slope height (ft)	189	Measured sight distance (ft)	140	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	375	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	Planar
Ditch score	27	Decision sight distance score	96	Rock friction score	20
AADT	590	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	47	Diff. erosion rates score	27
Section length (mi)	0.40	Annual rainfall (in. per year)	41	Diff. erosion features	Many erosion features
AVR percent	39	Rainfall score	90	Diff. erosion feat. score	20
AVR score	6	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	15 /100	History score	9

C020011 N **RHRS score 440** Rating date 21-Jul-2004
007+0.800 to 007+0.920 Section number 1646 Posted speed 60

Slope height (ft)	124	Measured sight distance (ft)	345	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	34	Rock friction	Undulating
Ditch score	30	Decision sight distance score	100	Rock friction score	20
AADT	160	Road width (ft)	26	Diff. erosion rates	
AADT year	1998	Road width score	36	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	1	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	0 /1	History score	81

C020011 N **RHRS score 351** Rating date 21-Jul-2004
015+0.590 to 015+0.670 Section number 1665 Posted speed 60

Slope height (ft)	61	Measured sight distance (ft)	460	Structural condition	
Slope height score	14	AASHTO sight distance (ft)	1,000	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	46	Rock friction	
Ditch score	60	Decision sight distance score	58	Rock friction score	0
AADT	160	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	36	Diff. erosion rates score	60
Section length (mi)	0.08	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	1	Rainfall score	6	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	1 /3	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	27

C020011 N **RHRS score 395** Rating date 21-Jul-2004
015+0.760 to 016+0.020 Section number 1666 Posted speed 60

Slope height (ft)	164	Measured sight distance (ft)	1,10	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	110	Rock friction	
Ditch score	50	Decision sight distance score	2	Rock friction score	0
AADT	160	Road width (ft)	26	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	36	Diff. erosion rates score	60
Section length (mi)	0.26	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	3	Rainfall score	6	Diff. erosion feat. score	50
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Constant
		Fall volume (cy) and score	6 /9	History score	81

C022249 N **RHRS score 636** Rating date 25-May-2004
003+0.070 to 003+0.190 Section number 1850 Posted speed 45

Slope height (ft)	75	Measured sight distance (ft)	120	Structural condition	Continuous / adverse
Slope height score	26	AASHTO sight distance (ft)	675	Structural cond. score	90
Ditch effectiveness	None	Percent decision sight distance	18	Rock friction	Planar
Ditch score	95	Decision sight distance score	100	Rock friction score	50
AADT	600	Road width (ft)	21	Diff. erosion rates	
AADT year	0	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	7	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	75 /100	History score	100

C022249 N **RHRS score 649** Rating date 25-May-2004
003+0.390 to 003+0.550 Section number 1851 Posted speed 45

Slope height (ft)	232	Measured sight distance (ft)	400	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	95
Ditch effectiveness	None	Percent decision sight distance	59	Rock friction	Planar
Ditch score	100	Decision sight distance score	29	Rock friction score	50
AADT	600	Road width (ft)	21	Diff. erosion rates	
AADT year	0	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.16	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	9	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	25 /100	History score	100

C022249 N **RHRS score 497** Rating date 25-May-2004
003+0.550 to 003+0.680 Section number 1852 Posted speed 45

Slope height (ft)	72	Measured sight distance (ft)	450	Structural condition	Continuous / adverse
Slope height score	24	AASHTO sight distance (ft)	675	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	67	Rock friction	Undulating
Ditch score	90	Decision sight distance score	18	Rock friction score	14
AADT	600	Road width (ft)	21	Diff. erosion rates	
AADT year	0	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	7	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Constant
		Fall volume (cy) and score	20 /100	History score	95

C022249 N **RHRS score 423** Rating date 25-May-2004
004+0.230 to 004+0.350 Section number 1853 Posted speed 45

Slope height (ft)	23	Measured sight distance (ft)	125	Structural condition	Discontinuous / adverse
Slope height score	3	AASHTO sight distance (ft)	675	Structural cond. score	35
Ditch effectiveness	None	Percent decision sight distance	19	Rock friction	Undulating
Ditch score	81	Decision sight distance score	100	Rock friction score	25
AADT	600	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	0	Road width score	54	Diff. erosion rates score	40
Section length (mi)	0.12	Annual rainfall (in. per year)	11	Diff. erosion features	Many erosion features
AVR percent	7	Rainfall score	3	Diff. erosion feat. score	55
AVR score	1	Block size (ft) and score	3 /16	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	70

C022249 N **RHRS score 448** Rating date 25-May-2004
005+0.020 to 005+0.080 Section number 1854 Posted speed 70

Slope height (ft)	242	Measured sight distance (ft)	1,40	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	127	Rock friction	Undulating
Ditch score	40	Decision sight distance score	1	Rock friction score	25
AADT	600	Road width (ft)	24	Diff. erosion rates	
AADT year	0	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	2	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	5 /6	History score	85

C022249 N **RHRS score 571** Rating date 25-May-2004
005+0.080 to 005+0.240 Section number 1855 Posted speed 70

Slope height (ft)	348	Measured sight distance (ft)	750	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	75
Ditch effectiveness	None	Percent decision sight distance	68	Rock friction	Planar
Ditch score	100	Decision sight distance score	17	Rock friction score	40
AADT	600	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	0	Road width score	54	Diff. erosion rates score	50
Section length (mi)	0.16	Annual rainfall (in. per year)	11	Diff. erosion features	Occ. erosion features
AVR percent	6	Rainfall score	3	Diff. erosion feat. score	25
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	100

C022249 N **RHRS score 480** Rating date 24-May-2004
005+0.720 to 005+0.840 Section number 1857 Posted speed 70

Slope height (ft)	91	Measured sight distance (ft)	230	Structural condition	Discontinuous / adverse
Slope height score	56	AASHTO sight distance (ft)	1,105	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	21	Rock friction	Undulating
Ditch score	45	Decision sight distance score	100	Rock friction score	24
AADT	600	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	0	Road width score	47	Diff. erosion rates score	55
Section length (mi)	0.12	Annual rainfall (in. per year)	11	Diff. erosion features	Many erosion features
AVR percent	4	Rainfall score	3	Diff. erosion feat. score	65
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	8 /19	History score	81

C031070 E **RHRS score 499** Rating date 11-Jun-2004
000+0.510 to 000+0.640 Section number 1866 Posted speed 70

Slope height (ft)	41	Measured sight distance (ft)	215	Structural condition	Continuous / adverse
Slope height score	6	AASHTO sight distance (ft)	1,105	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	19	Rock friction	Planar
Ditch score	81	Decision sight distance score	100	Rock friction score	50
AADT	200	Road width (ft)	24	Diff. erosion rates	
AADT year	0	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	2	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	1 /1	History score	27

C031070 E **RHRS score 385** Rating date 11-Jun-2004
011+0.480 to 011+0.860 Section number 1870 Posted speed 70

Slope height (ft)	182	Measured sight distance (ft)	515	Structural condition	Discontinuous / random
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	27
Ditch effectiveness	Limited	Percent decision sight distance	47	Rock friction	Planar
Ditch score	27	Decision sight distance score	55	Rock friction score	20
AADT	200	Road width (ft)	25	Diff. erosion rates	
AADT year	0	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.38	Annual rainfall (in. per year)	17	Diff. erosion features	
AVR percent	5	Rainfall score	6	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	1 /1	History score	81

C034448 E **RHRS score 377** Rating date 01-Jun-2004
004+0.990 to 005+0.040 Section number 1676 Posted speed 70

Slope height (ft)	62	Measured sight distance (ft)	360	Structural condition	
Slope height score	15	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	33	Rock friction	
Ditch score	40	Decision sight distance score	100	Rock friction score	0
AADT	50	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	54	Diff. erosion rates score	55
Section length (mi)	0.05	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	0	Rainfall score	5	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	8 /19	History score	40

C034448 E **RHRS score 437** Rating date 01-Jun-2004
006+0.490 to 006+0.750 Section number 1678 Posted speed 70

Slope height (ft)	276	Measured sight distance (ft)	685	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	62	Rock friction	Undulating
Ditch score	50	Decision sight distance score	24	Rock friction score	24
AADT	50	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	54	Diff. erosion rates score	65
Section length (mi)	0.26	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	1	Rainfall score	6	Diff. erosion feat. score	55
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	55

C039305 N **RHRS score 350** Rating date 21-Jul-2004
000+0.060 to 000+0.370 Section number 1681 Posted speed 55

Slope height (ft)	99	Measured sight distance (ft)	205	Structural condition	Discontinuous / random
Slope height score	79	AASHTO sight distance (ft)	875	Structural cond. score	15
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Undulating
Ditch score	27	Decision sight distance score	100	Rock friction score	20
AADT	300	Road width (ft)	22	Diff. erosion rates	Moderate difference
AADT year	2004	Road width score	62	Diff. erosion rates score	20
Section length (mi)	0.31	Annual rainfall (in. per year)	15	Diff. erosion features	Occ. erosion features
AVR percent	7	Rainfall score	5	Diff. erosion feat. score	20
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	0 /1	History score	27

C044303 N **RHRS score 398** Rating date 30-Jun-2004
000+0.560 to 000+0.600 Section number 1683 Posted speed 70

Slope height (ft)	35	Measured sight distance (ft)	420	Structural condition	Discontinuous / random
Slope height score	5	AASHTO sight distance (ft)	1,105	Structural cond. score	9
Ditch effectiveness	Limited	Percent decision sight distance	38	Rock friction	Rough / irregular
Ditch score	27	Decision sight distance score	90	Rock friction score	3
AADT	290	Road width (ft)	22	Diff. erosion rates	Moderate difference
AADT year	1998	Road width score	62	Diff. erosion rates score	20
Section length (mi)	0.04	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	1	Rainfall score	4	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	3 /3	History score	27

C048244 E **RHRS score 393** Rating date 01-Jun-2004
001+0.290 to 001+0.440 Section number 1696 Posted speed 70

Slope height (ft)	131	Measured sight distance (ft)	375	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	34	Rock friction	
Ditch score	22	Decision sight distance score	100	Rock friction score	0
AADT	680	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	31	Diff. erosion rates score	50
Section length (mi)	0.15	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	6	Rainfall score	5	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	3 /16	Rockfall history	Few
		Fall volume (cy) and score	1 /1	History score	8

C048245 N **RHRS score 509** Rating date 01-Jun-2004
001+0.750 to 001+0.970 Section number 1697 Posted speed 45

Slope height (ft)	114	Measured sight distance (ft)	330	Structural condition	
Slope height score	100	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	49	Rock friction	
Ditch score	35	Decision sight distance score	49	Rock friction score	0
AADT	670	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	47	Diff. erosion rates score	70
Section length (mi)	0.22	Annual rainfall (in. per year)	15	Diff. erosion features	Major erosion features
AVR percent	14	Rainfall score	5	Diff. erosion feat. score	81
AVR score	2	Block size (ft) and score	5 /100	Rockfall history	Few
		Fall volume (cy) and score	6 /9	History score	20

C048245 N **RHRS score 369** Rating date 02-Jun-2004
004+0.450 to 004+0.590 Section number 1703 Posted speed 70

Slope height (ft)	36	Measured sight distance (ft)	420	Structural condition	
Slope height score	5	AASHTO sight distance (ft)	1,105	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	38	Rock friction	
Ditch score	40	Decision sight distance score	90	Rock friction score	0
AADT	670	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	47	Diff. erosion rates score	60
Section length (mi)	0.14	Annual rainfall (in. per year)	15	Diff. erosion features	Many erosion features
AVR percent	6	Rainfall score	5	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	22

C081001 N **RHRS score 551** Rating date 09-Jun-2004
023+0.480 to 023+0.690 Section number 1871 Posted speed 35

Slope height (ft)	81	Measured sight distance (ft)	200	Structural condition	Continuous / adverse
Slope height score	36	AASHTO sight distance (ft)	525	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	38	Rock friction	Planar
Ditch score	81	Decision sight distance score	90	Rock friction score	65
AADT	800	Road width (ft)	24	Diff. erosion rates	
AADT year	0	Road width score	47	Diff. erosion rates score	0
Section length (mi)	0.21	Annual rainfall (in. per year)	9	Diff. erosion features	
AVR percent	20	Rainfall score	3	Diff. erosion feat. score	0
AVR score	2	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	12 /81	History score	65

C081001 N **RHRS score 449** Rating date 09-Jun-2004
024+0.210 to 024+0.410 Section number 1872 Posted speed 70

Slope height (ft)	41	Measured sight distance (ft)	250	Structural condition	Discontinuous / adverse
Slope height score	6	AASHTO sight distance (ft)	1,105	Structural cond. score	60
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Rough / irregular
Ditch score	70	Decision sight distance score	100	Rock friction score	8
AADT	800	Road width (ft)	23	Diff. erosion rates	Large diff. / favorable struc
AADT year	0	Road width score	54	Diff. erosion rates score	65
Section length (mi)	0.20	Annual rainfall (in. per year)	9	Diff. erosion features	Many erosion features
AVR percent	10	Rainfall score	3	Diff. erosion feat. score	60
AVR score	2	Block size (ft) and score	2 /9	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	50

C081003 N **RHRS score 547** Rating date 11-Jun-2004
000+0.000 to 000+0.200 Section number 1704 Posted speed 60

Slope height (ft)	246	Measured sight distance (ft)	170	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	17	Rock friction	Planar
Ditch score	81	Decision sight distance score	100	Rock friction score	27
AADT	355	Road width (ft)	23	Diff. erosion rates	
AADT year	1998	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.20	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	5	Rainfall score	4	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C081003 N **RHRS score 493** Rating date 29-Jun-2004
000+0.800 to 000+0.910 Section number 1709 Posted speed 60

Slope height (ft)	52	Measured sight distance (ft)	152	Structural condition	Continuous / adverse
Slope height score	10	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	15	Rock friction	Planar
Ditch score	60	Decision sight distance score	100	Rock friction score	40
AADT	355	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.11	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	3	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	15 /100	History score	35

C081003 N **RHRS score 496** Rating date 11-Jun-2004
001+0.060 to 001+0.360 Section number 1710 Posted speed 60

Slope height (ft)	92	Measured sight distance (ft)	230	Structural condition	Continuous / adverse
Slope height score	56	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	50
AADT	355	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.30	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	7	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	15 /100	History score	15

C081003 N **RHRS score 485** Rating date 11-Jun-2004
001+0.710 to 001+0.890 Section number 1711 Posted speed 60

Slope height (ft)	35	Measured sight distance (ft)	160	Structural condition	Continuous / adverse
Slope height score	5	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	16	Rock friction	Planar
Ditch score	60	Decision sight distance score	100	Rock friction score	60
AADT	355	Road width (ft)	23	Diff. erosion rates	
AADT year	1998	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.18	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	4	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C081003 N **RHRS score 367** Rating date 11-Jun-2004
002+0.380 to 002+0.440 Section number 1713 Posted speed 60

Slope height (ft)	29	Measured sight distance (ft)	243	Structural condition	Continuous / adverse
Slope height score	3	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	24	Rock friction	Planar
Ditch score	50	Decision sight distance score	100	Rock friction score	27
AADT	355	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	0	Diff. erosion features	
AVR percent	1	Rainfall score	1	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	15

C081003 N **RHRS score 350** Rating date 11-Jun-2004
003+0.000 to 003+0.150 Section number 1714 Posted speed 60

Slope height (ft)	40	Measured sight distance (ft)	353	Structural condition	Continuous / adverse
Slope height score	6	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	35	Rock friction	Planar
Ditch score	27	Decision sight distance score	100	Rock friction score	27
AADT	355	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	4	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	15

C081003 N **RHRS score 465** Rating date 11-Jun-2004
003+0.510 to 003+0.660 Section number 1716 Posted speed 60

Slope height (ft)	55	Measured sight distance (ft)	403	Structural condition	Continuous / adverse
Slope height score	11	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	40	Rock friction	Planar
Ditch score	75	Decision sight distance score	81	Rock friction score	35
AADT	355	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	4	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Occasional
		Fall volume (cy) and score	20 /100	History score	15

C081003 N **RHRS score 451** Rating date 11-Jun-2004
003+0.780 to 003+0.900 Section number 1717 Posted speed 60

Slope height (ft)	103	Measured sight distance (ft)	691	Structural condition	
Slope height score	93	AASHTO sight distance (ft)	1,000	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	69	Rock friction	
Ditch score	20	Decision sight distance score	16	Rock friction score	0
AADT	355	Road width (ft)	22	Diff. erosion rates	Large diff. / unfavorable str
AADT year	1998	Road width score	62	Diff. erosion rates score	60
Section length (mi)	0.12	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	3	Rainfall score	4	Diff. erosion feat. score	45
AVR score	1	Block size (ft) and score	5 /100	Rockfall history	Many
		Fall volume (cy) and score	20 /100	History score	50

C081003 N **RHRS score 427** Rating date 11-Jun-2004
003+0.940 to 004+0.020 Section number 1718 Posted speed 60

Slope height (ft)	147	Measured sight distance (ft)	462	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	35
Ditch effectiveness	Limited	Percent decision sight distance	46	Rock friction	
Ditch score	35	Decision sight distance score	58	Rock friction score	0
AADT	355	Road width (ft)	22	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	62	Diff. erosion rates score	27
Section length (mi)	0.08	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	2	Rainfall score	4	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C081003 N **RHRS score 430** Rating date 11-Jun-2004
005+0.450 to 005+0.530 Section number 1721 Posted speed 60

Slope height (ft)	52	Measured sight distance (ft)	272	Structural condition	Continuous / adverse
Slope height score	10	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	27	Rock friction	Planar
Ditch score	81	Decision sight distance score	100	Rock friction score	55
AADT	355	Road width (ft)	25	Diff. erosion rates	
AADT year	1998	Road width score	41	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	2	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	18

C081003 N **RHRS score 359** Rating date 12-Jun-2004
007+0.290 to 007+0.360 Section number 1726 Posted speed 60

Slope height (ft)	59	Measured sight distance (ft)	227	Structural condition	Discontinuous / adverse
Slope height score	13	AASHTO sight distance (ft)	1,000	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	23	Rock friction	Undulating
Ditch score	30	Decision sight distance score	100	Rock friction score	20
AADT	355	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.08	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	2	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C081003 N **RHRS score 421** Rating date 12-Jun-2004
008+0.180 to 008+0.240 Section number 1730 Posted speed 60

Slope height (ft)	144	Measured sight distance (ft)	888	Structural condition	Continuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Limited	Percent decision sight distance	89	Rock friction	Planar
Ditch score	75	Decision sight distance score	5	Rock friction score	35
AADT	340	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.06	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	1	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C081003 N **RHRS score 367** Rating date 12-Jun-2004
008+0.280 to 008+0.290 Section number 1732 Posted speed 60

Slope height (ft)	68	Measured sight distance (ft)	325	Structural condition	Discontinuous / random
Slope height score	20	AASHTO sight distance (ft)	1,000	Structural cond. score	25
Ditch effectiveness	None	Percent decision sight distance	32	Rock friction	Planar
Ditch score	81	Decision sight distance score	100	Rock friction score	27
AADT	340	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	1	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C081003 N **RHRS score 377** Rating date 12-Jun-2004
012+0.920 to 013+0.040 Section number 1733 Posted speed 60

Slope height (ft)	73	Measured sight distance (ft)	975	Structural condition	Continuous / adverse
Slope height score	25	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	Moderate	Percent decision sight distance	98	Rock friction	Clay infilling / slickensided
Ditch score	20	Decision sight distance score	3	Rock friction score	81
AADT	340	Road width (ft)	22	Diff. erosion rates	
AADT year	1998	Road width score	62	Diff. erosion rates score	0
Section length (mi)	0.12	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	3	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	20

C081003 N **RHRS score 380** Rating date 12-Jun-2004
013+0.140 to 013+0.180 Section number 1735 Posted speed 60

Slope height (ft)	85	Measured sight distance (ft)	264	Structural condition	Discontinuous / adverse
Slope height score	42	AASHTO sight distance (ft)	1,000	Structural cond. score	50
Ditch effectiveness	Moderate	Percent decision sight distance	26	Rock friction	Planar
Ditch score	9	Decision sight distance score	100	Rock friction score	50
AADT	340	Road width (ft)	21	Diff. erosion rates	
AADT year	1998	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	1	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	15

C081003 N **RHRS score 420** Rating date 13-Jun-2004
017+0.630 to 017+0.900 Section number 1742 Posted speed 60

Slope height (ft)	103	Measured sight distance (ft)	420	Structural condition	Discontinuous / random
Slope height score	92	AASHTO sight distance (ft)	1,000	Structural cond. score	25
Ditch effectiveness	None	Percent decision sight distance	42	Rock friction	Undulating
Ditch score	81	Decision sight distance score	73	Rock friction score	20
AADT	340	Road width (ft)	21	Diff. erosion rates	
AADT year	1998	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.27	Annual rainfall (in. per year)	11	Diff. erosion features	
AVR percent	6	Rainfall score	3	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	15

C081003 N **RHRS score 460** Rating date 13-Jun-2004
021+0.050 to 021+0.090 Section number 1744 Posted speed 60

Slope height (ft)	60	Measured sight distance (ft)	363	Structural condition	Discontinuous / adverse
Slope height score	14	AASHTO sight distance (ft)	1,000	Structural cond. score	75
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	Undulating
Ditch score	45	Decision sight distance score	100	Rock friction score	25
AADT	280	Road width (ft)	21	Diff. erosion rates	
AADT year	1998	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.04	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	1	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	500 /100	History score	25

C081003 N **RHRS score 423** Rating date 14-Jun-2004
022+0.710 to 022+0.860 Section number 1755 Posted speed 60

Slope height (ft)	156	Measured sight distance (ft)	594	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	65
Ditch effectiveness	Moderate	Percent decision sight distance	59	Rock friction	Undulating
Ditch score	9	Decision sight distance score	29	Rock friction score	25
AADT	220	Road width (ft)	21	Diff. erosion rates	Large diff. / unfavorable str
AADT year	1998	Road width score	71	Diff. erosion rates score	81
Section length (mi)	0.15	Annual rainfall (in. per year)	13	Diff. erosion features	Major erosion features
AVR percent	2	Rainfall score	4	Diff. erosion feat. score	81
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	20

C081003 N **RHRS score 422** Rating date 14-Jun-2004
022+0.860 to 023+0.220 Section number 1756 Posted speed 60

Slope height (ft)	220	Measured sight distance (ft)	562	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	56	Rock friction	Undulating
Ditch score	65	Decision sight distance score	34	Rock friction score	25
AADT	220	Road width (ft)	23	Diff. erosion rates	
AADT year	1998	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.36	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	6	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	35

C081003 N **RHRS score 454** Rating date 14-Jun-2004
024+0.000 to 024+0.100 Section number 1758 Posted speed 60

Slope height (ft)	107	Measured sight distance (ft)	723	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	70
Ditch effectiveness	Limited	Percent decision sight distance	72	Rock friction	Undulating
Ditch score	75	Decision sight distance score	14	Rock friction score	20
AADT	220	Road width (ft)	23	Diff. erosion rates	
AADT year	1998	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.10	Annual rainfall (in. per year)	13	Diff. erosion features	
AVR percent	2	Rainfall score	4	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /81	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	35

C081003 N **RHRS score 396** Rating date 14-Jun-2004
024+0.350 to 024+0.530 Section number 1761 Posted speed 60

Slope height (ft)	244	Measured sight distance (ft)	760	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	45
Ditch effectiveness	Limited	Percent decision sight distance	76	Rock friction	Undulating
Ditch score	27	Decision sight distance score	11	Rock friction score	15
AADT	220	Road width (ft)	23	Diff. erosion rates	Large diff. / unfavorable str
AADT year	1998	Road width score	54	Diff. erosion rates score	81
Section length (mi)	0.18	Annual rainfall (in. per year)	13	Diff. erosion features	Many erosion features
AVR percent	3	Rainfall score	4	Diff. erosion feat. score	70
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	9

C081003 N **RHRS score 377** Rating date 13-Jun-2004
027+0.550 to 027+0.740 Section number 1764 Posted speed 60

Slope height (ft)	111	Measured sight distance (ft)	568	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	27
Ditch effectiveness	None	Percent decision sight distance	57	Rock friction	Undulating
Ditch score	85	Decision sight distance score	32	Rock friction score	20
AADT	220	Road width (ft)	21	Diff. erosion rates	
AADT year	1998	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.19	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	3	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	9

C081003 N **RHRS score 380** Rating date 13-Jun-2004
027+0.740 to 027+0.890 Section number 1765 Posted speed 60

Slope height (ft)	88	Measured sight distance (ft)	328	Structural condition	Discontinuous / random
Slope height score	47	AASHTO sight distance (ft)	1,000	Structural cond. score	25
Ditch effectiveness	Limited	Percent decision sight distance	33	Rock friction	Undulating
Ditch score	75	Decision sight distance score	100	Rock friction score	20
AADT	220	Road width (ft)	21	Diff. erosion rates	
AADT year	1998	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.15	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	2	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	9

C081003 N **RHRS score 448** Rating date 13-Jun-2004
028+0.320 to 028+0.500 Section number 1768 Posted speed 60

Slope height (ft)	43	Measured sight distance (ft)	167	Structural condition	Continuous / adverse
Slope height score	7	AASHTO sight distance (ft)	1,000	Structural cond. score	81
Ditch effectiveness	None	Percent decision sight distance	17	Rock friction	Planar
Ditch score	81	Decision sight distance score	100	Rock friction score	35
AADT	220	Road width (ft)	21	Diff. erosion rates	
AADT year	1998	Road width score	71	Diff. erosion rates score	0
Section length (mi)	0.18	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	3	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	40

C081003 N **RHRS score 464** Rating date 14-Jun-2004
029+0.420 to 029+0.550 Section number 1771 Posted speed 60

Slope height (ft)	300	Measured sight distance (ft)	503	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	40
Ditch effectiveness	Limited	Percent decision sight distance	50	Rock friction	Undulating
Ditch score	75	Decision sight distance score	47	Rock friction score	15
AADT	220	Road width (ft)	23	Diff. erosion rates	
AADT year	1998	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	2	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /100	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	27

C081003 N **RHRS score 396** Rating date 14-Jun-2004
029+0.850 to 029+0.980 Section number 1773 Posted speed 60

Slope height (ft)	132	Measured sight distance (ft)	261	Structural condition	Discontinuous / adverse
Slope height score	100	AASHTO sight distance (ft)	1,000	Structural cond. score	35
Ditch effectiveness	Limited	Percent decision sight distance	26	Rock friction	Undulating
Ditch score	45	Decision sight distance score	100	Rock friction score	14
AADT	220	Road width (ft)	23	Diff. erosion rates	
AADT year	1998	Road width score	54	Diff. erosion rates score	0
Section length (mi)	0.13	Annual rainfall (in. per year)	15	Diff. erosion features	
AVR percent	2	Rainfall score	5	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	5 /6	History score	15

C081013 N **RHRS score 498** Rating date 28-May-2004
001+0.780 to 001+0.960 Section number 1788 Posted speed 60

Slope height (ft)	101	Measured sight distance (ft)	450	Structural condition	
Slope height score	85	AASHTO sight distance (ft)	1,000	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	45	Rock friction	
Ditch score	65	Decision sight distance score	62	Rock friction score	0
AADT	330	Road width (ft)	28	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	27	Diff. erosion rates score	55
Section length (mi)	0.18	Annual rainfall (in. per year)	27	Diff. erosion features	Many erosion features
AVR percent	4	Rainfall score	19	Diff. erosion feat. score	60
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Constant
		Fall volume (cy) and score	10 /39	History score	85

C081024 E **RHRS score 410** Rating date 14-Jun-2004
005+0.970 to 006+0.050 Section number 1794 Posted speed 60

Slope height (ft)	53	Measured sight distance (ft)	425	Structural condition	Discontinuous / adverse
Slope height score	10	AASHTO sight distance (ft)	1,000	Structural cond. score	65
Ditch effectiveness	Limited	Percent decision sight distance	42	Rock friction	Planar
Ditch score	40	Decision sight distance score	73	Rock friction score	45
AADT	415	Road width (ft)	24	Diff. erosion rates	Large diff. / favorable struc
AADT year	1998	Road width score	47	Diff. erosion rates score	60
Section length (mi)	0.08	Annual rainfall (in. per year)	17	Diff. erosion features	Many erosion features
AVR percent	2	Rainfall score	6	Diff. erosion feat. score	40
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	75 /100	History score	23

C081024 E **RHRS score 405** Rating date 14-Jun-2004
013+0.880 to 013+0.930 Section number 1806 Posted speed 60

Slope height (ft)	81	Measured sight distance (ft)	610	Structural condition	Discontinuous / adverse
Slope height score	34	AASHTO sight distance (ft)	1,000	Structural cond. score	55
Ditch effectiveness	Limited	Percent decision sight distance	61	Rock friction	Planar
Ditch score	60	Decision sight distance score	26	Rock friction score	27
AADT	280	Road width (ft)	28	Diff. erosion rates	
AADT year	1998	Road width score	27	Diff. erosion rates score	0
Section length (mi)	0.05	Annual rainfall (in. per year)	21	Diff. erosion features	
AVR percent	1	Rainfall score	10	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	30 /100	History score	65

C081024 E **RHRS score 416** Rating date 14-Jun-2004
014+0.820 to 014+0.920 Section number 1810 Posted speed 25

Slope height (ft)	43	Measured sight distance (ft)	90	Structural condition	Discontinuous / adverse
Slope height score	7	AASHTO sight distance (ft)	375	Structural cond. score	50
Ditch effectiveness	Limited	Percent decision sight distance	24	Rock friction	Rough / irregular
Ditch score	60	Decision sight distance score	100	Rock friction score	8
AADT	280	Road width (ft)	15	Diff. erosion rates	Moderate difference
AADT year	1998	Road width score	100	Diff. erosion rates score	20
Section length (mi)	0.10	Annual rainfall (in. per year)	23	Diff. erosion features	Occ. erosion features
AVR percent	5	Rainfall score	13	Diff. erosion feat. score	20
AVR score	1	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	5 /6	History score	50

C081024 E **RHRS score 360** Rating date 14-Jun-2004
032+0.200 to 032+0.260 Section number 1815 Posted speed 25

Slope height (ft)	22	Measured sight distance (ft)	135	Structural condition	Discontinuous / adverse
Slope height score	3	AASHTO sight distance (ft)	375	Structural cond. score	35
Ditch effectiveness	Limited	Percent decision sight distance	36	Rock friction	Rough / irregular
Ditch score	55	Decision sight distance score	100	Rock friction score	22
AADT	280	Road width (ft)	17	Diff. erosion rates	Moderate difference
AADT year	1998	Road width score	100	Diff. erosion rates score	18
Section length (mi)	0.06	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	3	Rainfall score	30	Diff. erosion feat. score	30
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Few
		Fall volume (cy) and score	1 /1	History score	5

C081024 E **RHRS score 411** Rating date 14-Jun-2004
033+0.450 to 033+0.520 Section number 1819 Posted speed 25

Slope height (ft)	17	Measured sight distance (ft)	110	Structural condition	Discontinuous / random
Slope height score	2	AASHTO sight distance (ft)	375	Structural cond. score	25
Ditch effectiveness	Limited	Percent decision sight distance	29	Rock friction	Planar
Ditch score	50	Decision sight distance score	100	Rock friction score	40
AADT	280	Road width (ft)	18	Diff. erosion rates	
AADT year	1998	Road width score	100	Diff. erosion rates score	0
Section length (mi)	0.07	Annual rainfall (in. per year)	33	Diff. erosion features	
AVR percent	3	Rainfall score	38	Diff. erosion feat. score	0
AVR score	1	Block size (ft) and score	4 /47	Rockfall history	Few
		Fall volume (cy) and score	1 /1	History score	8

C081024 E **RHRS score 384** Rating date 14-Jun-2004
034+0.670 to 034+0.740 Section number 1824 Posted speed 25

Slope height (ft)	39	Measured sight distance (ft)	135	Structural condition	
Slope height score	6	AASHTO sight distance (ft)	375	Structural cond. score	0
Ditch effectiveness	None	Percent decision sight distance	36	Rock friction	
Ditch score	81	Decision sight distance score	100	Rock friction score	0
AADT	280	Road width (ft)	18	Diff. erosion rates	Moderate difference
AADT year	1998	Road width score	100	Diff. erosion rates score	22
Section length (mi)	0.07	Annual rainfall (in. per year)	31	Diff. erosion features	Many erosion features
AVR percent	3	Rainfall score	30	Diff. erosion feat. score	27
AVR score	1	Block size (ft) and score	2 /9	Rockfall history	Few
		Fall volume (cy) and score	1 /1	History score	8

C081064 E **RHRS score 394** Rating date 27-May-2004
005+0.840 to 006+0.100 Section number 1836 Posted speed 45

Slope height (ft)	53	Measured sight distance (ft)	350	Structural condition	
Slope height score	10	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Moderate	Percent decision sight distance	52	Rock friction	
Ditch score	25	Decision sight distance score	42	Rock friction score	0
AADT	2,770	Road width (ft)	27	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	31	Diff. erosion rates score	40
Section length (mi)	0.26	Annual rainfall (in. per year)	33	Diff. erosion features	Major erosion features
AVR percent	67	Rainfall score	38	Diff. erosion feat. score	90
AVR score	19	Block size (ft) and score	3 /27	Rockfall history	Many
		Fall volume (cy) and score	10 /39	History score	60

C081064 E **RHRS score 393** Rating date 27-May-2004
006+0.420 to 006+0.590 Section number 1838 Posted speed 45

Slope height (ft)	65	Measured sight distance (ft)	250	Structural condition	
Slope height score	17	AASHTO sight distance (ft)	675	Structural cond. score	0
Ditch effectiveness	Limited	Percent decision sight distance	37	Rock friction	
Ditch score	40	Decision sight distance score	96	Rock friction score	0
AADT	2,770	Road width (ft)	30	Diff. erosion rates	Large diff. / favorable struc
AADT year	2002	Road width score	21	Diff. erosion rates score	50
Section length (mi)	0.17	Annual rainfall (in. per year)	33	Diff. erosion features	Many erosion features
AVR percent	44	Rainfall score	38	Diff. erosion feat. score	60
AVR score	7	Block size (ft) and score	3 /27	Rockfall history	Occasional
		Fall volume (cy) and score	10 /39	History score	25

APPENDIX C

Top 100 Rated Preliminary Design and Cost Estimates

Section Number: 26
Corridor: C000001E Side: Right
Beginning Mile Point: 020+0.380 Ending Mile Point: 020+0.680
RHRS Score: 494

Conceptual Mitigation Design

This slope is approximately 1,600 feet long with a maximum height of about 215 feet. An intermediate slope bench is present through a 400-foot long section about 100 feet above the road that acts as a launch feature. Concentrate scaling efforts in the upper 100 feet of the slope (1,600 feet x 100 feet). Install a draped cable net system with catch fence on the 400-foot long bench (400 feet x 100 feet) to intercept bounding rockfalls from upper slope and direct them into the fallout area.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	400 hrs.	100	40,000
Modified Rockfall Fence w/ Draped Cable Nets	40,000 sq. ft.	10	400,000
		Total Cost:	$440,000
		Cost /Score Ratio:	891

Section Number: 35
Corridor: C000001E Side: Right
Beginning Mile Point: 026+0.900 Ending Mile Point: 027+0.020
RHRS Score: 499

Conceptual Mitigation Design
See Libby Rockfall Mitigation Report, October 2004 by Landslide Technology. The cost estimated does not include mobilization, traffic control, and other incidental costs.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
--	-	-	-
		Total Cost:	$488,750
		Cost /Score Ratio:	979

Section Number: 77
Corridor: C000001E Side: Right
Beginning Mile Point: 155+0.500 Ending Mile Point: 155+0.620
RHRS Score: 602

Conceptual Mitigation Design

This slope is approximately 645 feet long with a maximum height of about 215 feet. Excavate into cut right of centerline to create 25-foot wide fallout area. Install medium energy cable/ring net rockfall fence to contain rockfall. Maintain current design speed of the curve at 45 mph.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Rock Excavation	40,000 cu. yd.	20	800,000
Cable/Ring Net Rockfall Barrier	650 ln.ft.	400	260,000
Concrete Barrier	750 ln. ft.	40	30,000
		Total Cost:	$1,090,000
		Cost /Score Ratio:	1,811

Section Number: 79
Corridor: C000001E Side: Right
Beginning Mile Point: 155+0.700 Ending Mile Point: 155+0.800
RHRS Score: 489

Conceptual Mitigation Design

This slope is approximately 525 feet long with a maximum height of about 75 feet. It has continuous adverse bedding features day-lighting in the slope. Some loose rocks on slope ravel to reach ditch and roadway. The main concerns are the larger blocks failing along bedding planes. Scale loose rock (300 hrs.). Place 30 kip rock bolts in selected rock blocks with a quantity based on three 10-foot bolts for every 10 feet of slope. Concentrate bolting program in the central area of the cut. Install draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	300 hrs.	100	30,000
Rock Bolts	1,600 ln.ft.	100	160,000
Draped Mesh	34,000 sq. ft.	3	102,000
		Total Cost:	$292,000
		Cost /Score Ratio:	597

Section Number: 85
Corridor: C000001E Side: Right
Beginning Mile Point: 156+0.600 Ending Mile Point: 156+0.730
RHRS Score: 601

Conceptual Mitigation Design

This slope is approximately 690 feet long with a maximum height of about 110 feet. There is a wide pullout area opposite the cut slope. Structural features (jointing and bedding) become more adverse on the eastern potion of the section as the roadway curves. Excavate the eastern portion of the slope with pre-split blasting to achieve a 30 foot wide fallout area. Scale slope and pattern bolt the slope (assuming three 10-foot long bolts per 10 feet of slope). Place concrete barriers to control small rockfall events.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	630 hrs.	100	63,000
Excavate Slope with Pre-split Blasting	38,000 cu. yd.	20	760,000
Rock Bolts	2,100 ln.ft.	100	210,000
Concrete Barrier	800 ln.ft.	40	32,000
		Total Cost:	$1,065,000
		Cost /Score Ratio:	1,772

Section Number: 90
Corridor: C000001E Side: Right
Beginning Mile Point: 157+0.920 Ending Mile Point: 158+0.040
RHRS Score: 478

Conceptual Mitigation Design

This slope is approximately 635 feet long with a maximum height of about 150 feet. The slope consists of colluvial/talus material with shorter rock cuts (approximately 75 to 100 feet tall). Scale the slope and install rock bolts (100 15-foot bolts). Drape mesh across the colluvium chutes.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	400 hrs.	100	40,000
Rock Bolts	1,500 ln. ft.	100	150,000
Draped Mesh	45,500 sq. ft.	3	136,500
		Total Cost:	$326,500
		Cost /Score Ratio:	683

Section Number: 94
Corridor: C000001E Side: Right
Beginning Mile Point: 158+0.470 Ending Mile Point: 158+0.640
RHRS Score: 645

Conceptual Mitigation Design

This slope is approximately 900 feet. long with a maximum height of about 175 feet. Scale slope and install rock bolts (60 20-foot long bolts) and dowels (40 5-foot long dowels) to support unstable blocks and rock layers. Shotcrete under the overhangs and drape mesh over slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	900 hrs.	100	90,000
Rock Bolts	1,200 ln.ft.	100	120,000
Rock Dowels	200 ln. ft.	60	12,000
Shotcrete	18,000 sq. ft.	20	360,000
Draped Mesh	90,000 sq. ft.	3	270,000
		Total Cost:	$852,000
		Cost /Score Ratio:	1,321

Section Number: 179
Corridor: C000006E Side: Left
Beginning Mile Point: 058+0.150 Ending Mile Point: 058+0.210
RHRS Score: 622

Conceptual Mitigation Design

This slope is approximately 320 feet long with a maximum height of about 130 feet. Install a cable net rockfall barrier above the talus slope along the outboard side of the power line access road. Scale the rock slope below. At the east end of the section, construct a 15-ft. tall MSE wall and install a cable net rockfall barrier the length of the wall. Provide access behind the rockfall barrier for maintenance cleanout by ramping up from road grade from the east end of the MSE wall. Install guardrail in front of wall as needed for traffic protection. Provide drainage through MSE wall.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Upper Brugg Fence	300 ln.ft.	400	120,000
Lower Brugg Fence	80 ln.ft.	400	32,000
Scaling	75 hrs.	100	7,500
MSE Wall	1430 sq. ft.	45	64,350
MSE Drainage	125 ln. ft.	100	12,500
Single Guardrail	130 ln. ft.	20	2,600
		Total Cost:	$238,950
		Cost /Score Ratio:	384

Section Number: 181
Corridor: C000006E Side: Left
Beginning Mile Point: 058+0.300 Ending Mile Point: 058+0.360
RHRS Score: 481

Conceptual Mitigation Design

This slope is approximately 320 feet long with a maximum height of about 365 feet. Construct a 15-foot MSE wall at the base of the talus slope and install a high capacity cable/ring net rockfall barrier on top of the wall. Provide maintenance access behind the barrier and onto the MSE wall by extending a 2:1 access ramp for 30 feet from the east. (If this site is combined with Section 182, extend the MSE wall for another 420 feet).

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Cable/Ring Net Rockfall Barrier	320 ln.ft.	500	160,000
MSE Wall with access ramp	5,025 sq. ft.	45	226,125
		Total Cost:	$386,125
		Cost /Score Ratio:	803

Section Number: 182
Corridor: C000006E Side: Left
Beginning Mile Point: 058+0.360 Ending Mile Point: 058+0.440
RHRS Score: 565

Conceptual Mitigation Design

This slope is approximately 420 feet long with a maximum height of about 690 feet. Construct a 15-foot tall MSE wall at the base of the talus slope and install a high capacity cable/ring net rockfall barrier on top of the wall. Provide maintenance access behind the barrier and onto the MSE wall by extending a 2:1 access ramp for 30 feet from the east. (If this site is combined with Section 181, extend the MSE wall for another 320 feet).

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Cable/Ring Net Rockfall Barrier	420 ln.ft.	500	210,000
MSE Wall with access ramp	6,525 sq. ft.	45	293,625
		Total Cost:	$503,625
		Cost /Score Ratio:	891

Section Number: 54
Corridor: C000006E Side: Left
Beginning Mile Point: 064+0.250 Ending Mile Point: 064+0.400
RHRS Score: 493

Conceptual Mitigation Design

This tall talus slope is approximately 795 feet long with a natural cliff above. Construct a triple guardrail at the base of the slope for 820 feet.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Triple Guard rail	820 ln. ft.	40	32,800
		Total Cost:	$32,800
		Cost /Score Ratio:	67

Section Number: 189
Corridor: C000006E Side: Left
Beginning Mile Point: 064+0.400 Ending Mile Point: 064+0.520
RHRS Score: 662

Conceptual Mitigation Design

This slope is approximately 650 feet long with a maximum height of about 170 feet. Construct an MSE wall at the base of the slope, approximately 10 feet tall (requires a 4-foot embedment depth for reinforcing elements) to create a 15-foot wide fallout area on top of the wall. Include a 2:1 maintenance access ramp from the east end for cleanout. Place a cable/ring net rockfall barrier on top of the MSE wall to intercept rockfall. Install a single guardrail along the edge of pavement to restrict traffic from hitting the roadside wall.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
MSE Wall w/ access ramp	6600 sq. ft.	45	297,000
Cable/Ring Net Rockfall Barrier	650 ln.ft.	500	325,000
Single Guardrail	700 ln. ft..	20	14,000
		Total Cost:	$636,000
		Cost /Score Ratio:	961

Section Number: 190
Corridor: C000006E Side: Left
Beginning Mile Point: 064+0.520 Ending Mile Point: 064+0.630
RHRS Score: 609

Conceptual Mitigation Design

This slope is approximately 580 feet long with a maximum height of about 180 feet. Scale small loose blocks off the slope. Bolt problematic blocks using approximately 60 20-foot long bolts. Install draped mesh on cut slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	230 hrs.	100	23,000
Rock Bolts	1,200 ln.ft.	100	120,000
Draped Mesh	50,000 sq. ft.	3	150,000
		Total Cost:	$293,000
		Cost /Score Ratio:	481

Section Number: 235
Corridor: C000007N Side: Right
Beginning Mile Point: 004+0.480 Ending Mile Point: 005+0.080
RHRS Score: 504

Conceptual Mitigation Design

This slope is approximately 3,170 feet long with a maximum height of about 85 feet. The site is long and could be broken into two segments. One portion includes a near vertical cut in rock with 20 feet of catchment. The remaining portion (north half) of the site consists of a 0.75H:1V cut. The catchment is moderate for most of this portion. Mitigation should include installing a concrete barrier through the northern portion. On the southern portion, scale the slope, install draped mesh and install rock bolts to secure adversely dipping blocks.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Concrete Barrier	1,600 ln.ft.	40	64,000
Draped Mesh	160,000 sq. ft.	3	480,000
Scaling	400 hrs.	100	40,000
Rock Bolts	200 ln.ft.	100	20,000
		Total Cost:	$604,000
		Cost /Score Ratio:	1,198

Section Number: 307
Corridor: C000011N Side: Right
Beginning Mile Point: 013+0.320 Ending Mile Point: 013+0.660
RHRS Score: 654

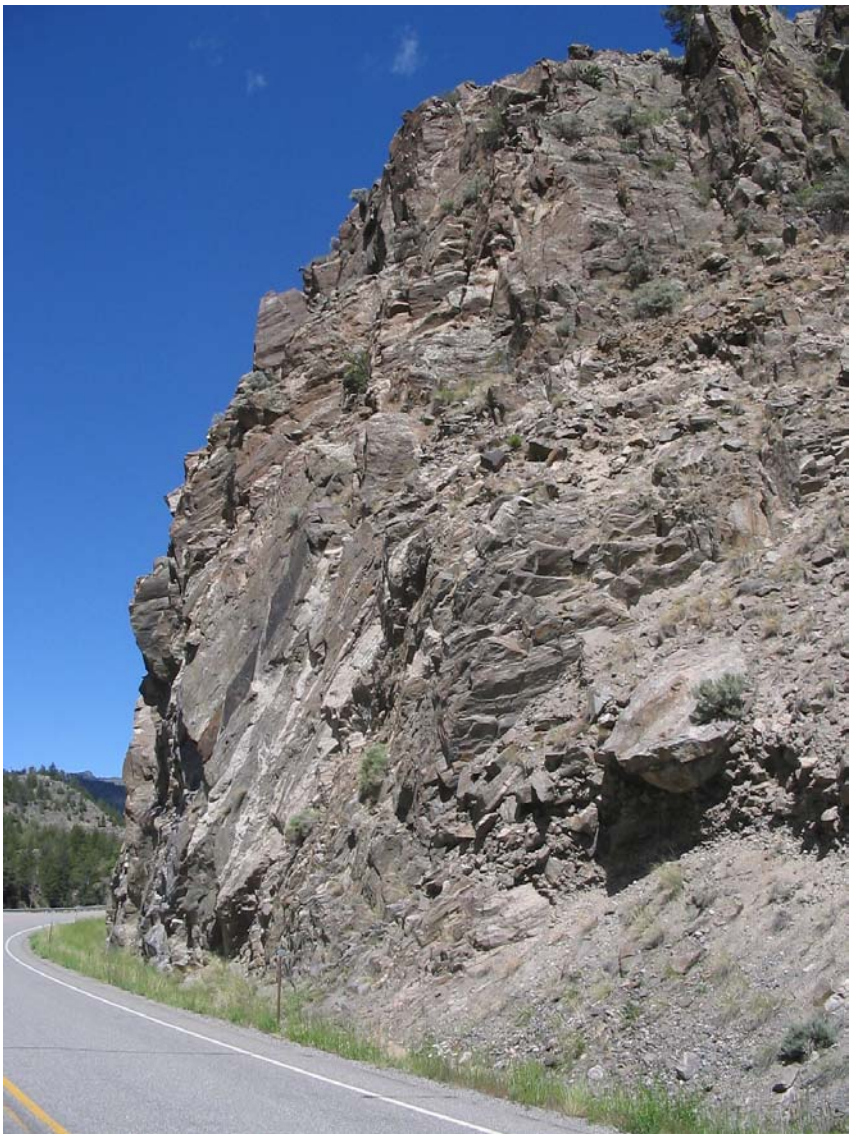
Conceptual Mitigation Design

This slope is approximately 1800 feet long with a maximum height of about 570 feet. The site includes cuts made in talus and a rock outcrop with an additional rock outcrop above the talus slope. The first portion (500-feet) of the site does not appear to be highly active. The oversteepened talus shows the most evidence of activity with numerous scars on road. The rock cut is 150 feet tall and contains a 10-foot wide bench about 40-feet above the roadway. Mitigation would include excavating the lower bench using controlled blasting techniques to increase the size of the fallout area. Install triple guardrail for 400 ft. in front of the new cut slope. Build a 1450-ft. long 15-ft. tall MSE wall at the base of the talus slope with a 2:1 maintenance access ramp for cleanout. Place a cable/ring net rockfall barrier on top of the MSE wall. Install a single guardrail along the front of the MSE wall for traffic safety.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Excavation Using Controlled Blasting	5,500 cu. yd.	20	110,000
MSE Wall w/ access road	22,000 sq. ft.	45	990,000
Cable/Ring Net Rockfall Barrier	1,400 ln.ft.	400	560,000
Single guardrail	1,500 ln.ft.	20	30,000
Triple guardrail	400 ln.ft.	40	16,000
		Total Cost:	$1,706,000
		Cost /Score Ratio:	2,609

Section Number: 309
Corridor: C000011N Side: Right
Beginning Mile Point: 013+0.840 Ending Mile Point: 013+0.960
RHRS Score: 569



Conceptual Mitigation Design

This slope is approximately 635 feet long with a maximum height of about 110 feet. Site has near vertical rock cut, 15 feet from fogline, with some portions that overhang the fallout area. Three- to 4-foot blocks of rock were observed in the ditch. There are additional rock outcrops in excess of 200 feet above the cut slope. Scale the slope and install a draped cable net. Install rock bolts in larger blocks using 15-foot long bolts.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	500 hrs.	100	50,000
Draped Cable Nets	85,000 sq. ft.	10	850,000
Rock Bolts	450 ln.ft.	100	45,000
		Total Cost:	$945,000
		Cost /Score Ratio:	1,661

Section Number: 310
Corridor: C000011N Side: Right
Beginning Mile Point: 013+0.960 Ending Mile Point: 014+0.610
RHRS Score: 474

Conceptual Mitigation Design

Section consists of a 3,435-foot long talus slope generally under 100-feet high. One portion is 130 ft. tall. A vegetated intermediate slope bench (60 feet above the road) contains some rockfall debris. Mitigation would include installing draped mesh with catch fence along the aboard edge of the intermediate slope bench throughout the section. The draped mesh with catch fence would be 80 feet long with the upper 20 feet (impact section) consisting of cable nets and the lower 60 feet comprised of gabion mesh. The cost of this modified system is costed out as two separate items below representing the two types of materials used.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Draped Mesh with Catch Fence	207,000 sq. ft.	3	621,000
Cable Net Portion	69,000 sq. ft.	10	690,000
		Total Cost:	$1,311,000
		Cost /Score Ratio:	2,766

Section Number: 323
Corridor: C000013N Side: Left
Beginning Mile Point: 090+0.770 Ending Mile Point: 091+0.070
RHRS Score: 542

Conceptual Mitigation Design

This slope is approximately 1,585 feet long with a maximum height of about 235 feet. This very high slope contains many overhanging areas with blocks on planes that day light in the slope. Mitigation includes excavating the talus slope on south side of the rock pinnacle to create a wider fallout area. Through the pinnacle section, scale and rock bolts. Install concrete barrier except through the pinnacle outcrop section for a total of 1,000 feet.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Ditch Construction	10,000 cu. yd.	20	200,000
Scaling	500 hrs.	100	50,000
Rock Bolts	300 ln.ft.	100	30,000
Concrete Barrier	1,000 ln.ft.	40	40,000
		Total Cost:	$320,000
		Cost /Score Ratio:	590

Section Number: 363
Corridor: C000014E Side: Left
Beginning Mile Point: 020+0.810 Ending Mile Point: 020+0.850
RHRS Score: 510

Conceptual Mitigation Design
This slope is approximately 215 feet long with a maximum height of about 65 feet. Mitigation would include cutting back a portion of the slope 20 feet for about 85 feet to create a larger fallout area. Perform scaling on the remainder of the slope. Install a double guard rail for added ditch effectiveness and install rockfall warning signs.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Excavation using Controlled Blasting	3,000 cu. yd.	20	60,000
Scaling	20 hrs.	100	2,000
Double Guardrail	220 ft.	30	6,600
		Total Cost:	$68,600
		Cost /Score Ratio:	135

Section Number: 374
Corridor: C000014E Side: Left
Beginning Mile Point: 164+0.210 Ending Mile Point: 164+0.390
RHRS Score: 506

Conceptual Mitigation Design

This slope is approximately 950 feet long with a maximum height of about 90 feet. There are two benches in the slope at approximately 30 and 60 feet above the roadway. Differential erosion of weak interbeds appears to be undercutting resistant masses, leaving overhanging blocks. Scale the entire slope. Shotcrete erodible layers to limit differential erosion on the lower slope. Install a modified rockfall catchment fence with draped cable net at the first bench.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	450 hrs.	100	45,000
Modified Catchment Fence/ with draped cable net	27,000 sq.ft.	15	405,000
Shotcrete	90,000 sq.ft.	20	180,000
		Total Cost:	$630,000
		Cost /Score Ratio:	1,245

Section Number: 375
Corridor: C000014E Side: Left
Beginning Mile Point: 165+0.460 Ending Mile Point: 165+0.520
RHRS Score: 615

Conceptual Mitigation Design

This slope is approximately 215 feet long with a maximum height of about 65 feet. Differential erosion appears to lead to rockfall activity. Scale undercut rock blocks and shotcrete highly erodible interbeds to curtail differential erosion. Install rock bolts in larger blocks to provide additional support.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	400 hrs.	100	40,000
Shotcrete	20,000 sq. ft.	20	400,000
Rock Bolts	800 ln. ft.	100	80,000
		Total Cost:	$520,000
		Cost /Score Ratio:	846

Section Number: 384
Corridor: C000015S Side: Left
Beginning Mile Point: 051+0.780 Ending Mile Point: 052+0.320
RHRS Score: 624

Conceptual Mitigation Design

This slope is approximately 2,850 feet long with a maximum height of about 310 feet. Some mitigation measures (concrete wall and extended fence) have been installed. Maintenance indicates that these measures are effective; however, rockfall damages the wall and occasionally clears the barrier and lands in the roadway. A slope bench, and accumulated talus and rockfall debris at the base of the cut act as launch features. Mitigation would include removing the launch features through the ~1400 feet long portion of the slope where the wall with fence extension is located. Excavating would be primarily ripping along with lightly loaded trim blasting where necessary to form the back wall. Subexcavate the ditch level 5 feet below the road grade where possible to improve the rockfall catchment area. Some of the wall may be damaged during this work. Repair/replace the wall as necessary and install culverts to drain the ditch.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Excavate/Pre-split Blasting	44,500 cu. yd.	30	1,333,000
Wall Repair	1 l.s.	20,000	20,000
Culvert Installation	1 l.s.	10,000	10,000
		Total Cost:	$1,363,000
		Cost /Score Ratio:	2,184

Section Number: 408
Corridor: C000015S Side: Left
Beginning Mile Point: 157+0.770 Ending Mile Point: 157+0.930
RHRS Score: 520

Conceptual Mitigation Design

This slope is approximately 845 feet long with a maximum height of about 205 feet. There is an intermediate bench at 75 feet. Scale the entire cut slope. At the first bench install a modified catch fence with draped cable nets.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	700 hrs.	100	70,000
Modified Catch Fence w/ Draped Cable Nets	63,750 sq. ft.	15	956,250
		Total Cost:	$1,026,250
		Cost /Score Ratio:	1,974

Section Number: 420
Corridor: C000015N Side: Right
Beginning Mile Point: 217+0.670 Ending Mile Point: 218+0.370
RHRS Score: 617

Conceptual Mitigation Design

This slope is approximately 3700 feet long with a maximum height of about 150 feet. This slope is quite long and has several design elements at select locations/segments including scaling, triple guardrail, draped mesh, a rockfall catch fence with draped mesh on the bench above the road, and rock bolts to provide additional support to key blocks.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Triple Guardrail	175 ln.ft.	40	7,000
Scaling	1,900 hrs.	100	190,000
Draped Mesh w/ Catch Fence	38,250 sq. ft.	5	191,250
Draped Mesh	5,000 sq. ft.	3	15,000
Rock Bolts	1,720 ln.ft.	100	172,000
		Total Cost:	$575,250
		Cost /Score Ratio:	932

Section Number: 421
Corridor: C000015S Side: Left
Beginning Mile Point: 218+0.450 Ending Mile Point: 218+0.530
RHRS Score: 499

Conceptual Mitigation Design

This slope is approximately 425 feet long with a maximum height of about 250 feet. Scale the entire slope and install rock bolts (30 20-foot and 80 15-foot long bolts) to secure the larger blocks/masses that would create other stability concerns if scaled. Install draped mesh over the entire slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	800 hrs.	100	80,000
Rock Bolts	1,800 ln.ft.	100	180,000
Draped Mesh	80,000 sq. ft.	3	240,000
		Total Cost:	$500,000
		Cost /Score Ratio:	1,002

Section Number: 426
Corridor: C000015S Side: Left
Beginning Mile Point: 219+0.540 Ending Mile Point: 219+0.820
RHRS Score: 641

Conceptual Mitigation Design

This slope is approximately 1500 feet long with a maximum height of about 100 feet. There are four main debris chutes in this tall rock cut. The majority of the rockfall activity appears to occur in the chute sections. Drape mesh over entire slope except over four active chutes where draped cable nets will be used.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	200 hrs.	100	20,000
Draped Mesh	105,600 sq. ft.	3	316,800
Draped Cable Nets	6,000 sq. ft.	15	144,000
		Total Cost:	$480,800
		Cost /Score Ratio:	750

Section Number: 448
Corridor: C000015S Side: Left
Beginning Mile Point: 226+0.980 Ending Mile Point: 227+0.230
RHRS Score: 538

Conceptual Mitigation Design

This slope is approximately 1,320 feet long with a maximum height of about 100 feet. Install triple guardrail for 1,350 feet.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Triple Guardrail	1350 ln.ft.	40	54,000
		Total Cost:	$54,000
		Cost /Score Ratio:	104

Section Number: 504
Corridor: C000019N Side: Right
Beginning Mile Point: 027+0.930 Ending Mile Point: 027+0.990
RHRS Score: 527

Conceptual Mitigation Design

This bedrock slope is approximately 320 feet long with a maximum height of about 90 feet. The eastern portion of the slope has adverse joint conditions and the western portion is covered by talus debris. The existing ditch is narrow throughout the section. Scale slope, bolt problematic blocks on the eastern side, scale boulders and install mesh for the western portion of the slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	150 hrs.	100	15,000
Draped Mesh	7,200 sq. ft.	3	21,600
Rock Bolts	600 ln. ft.	100	60,000
		Total Cost:	$96,600
		Cost /Score Ratio:	183

Section Number: 505
Corridor: C000019N Side: Left
Beginning Mile Point: 027+0.990 Ending Mile Point: 028+0.040
RHRS Score: 499

Conceptual Mitigation Design

Bedrock slope is about 270 feet long and a maximum of approximately 110 feet high. Several large blocks remain along adversely dipping joint sets and only a narrow ditch is present. Scale loose rock blocks, install rock bolts in key blocks, drape mesh the length of the slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	150 hrs.	100	15,000
Draped Mesh	15,000 sq. ft.	3	45,000
Rock Bolts	525 ln. ft.	100	52,500
		Total Cost:	$112,500
		Cost /Score Ratio:	225

Section Number: 506
Corridor: C000019N Side: Right
Beginning Mile Point: 027+0.990 Ending Mile Point: 028+0.440
RHRS Score: 684

Conceptual Mitigation Design

This bedrock and colluvial slope is about 2,400 feet long with a maximum height of 175 feet. NTL Engineering and Geoscience of Great Falls, and Armstrong and Associates of Elliston have investigated the geologic and geotechnical details of this site under a separate project. Recommendations include debris flow barriers, rockfall fences, wire mesh stabilization, rock bolts and dowels, buttressing, rock excavation and scaling.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
See NTL Design Report for listing of design elements			
		Total Cost:	720,250
		Cost /Score Ratio:	1,053

Section Number: 532
Corridor: C000024E Side: Right
Beginning Mile Point: 003+0.030 Ending Mile Point: 003+0.120
RHRS Score: 564

Conceptual Mitigation Design

This talus/colluvial slope is approximately 475 ft. long with a maximum height of about 420 feet. There are several erosion channels present. Rockfalls likely have high energy by the time the reach the road; plus, there also appears to be larger volume events with a moderate amount of soil/rock flour that reach the ditch. Typical rockfall events appear to be 1 to 2 foot rock blocks. There is a concrete barrier with a fence extension at the toe of the slope. The mesh fence appears to be old and is in disrepair. Mitigation includes installing a 6-ft. tall gabion wall with double-stacked baskets throughout the rockfall section along the back of the existing barrier.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Gabion Basket Wall	475 ln.ft.	200	95,000
		Total Cost:	$95,000
		Cost /Score Ratio:	168

Section Number: 585
Corridor: C000028N Side: Right
Beginning Mile Point: 047+0.200 Ending Mile Point: 047+0.360
RHRS Score: 472

Conceptual Mitigation Design

This section is 855 feet long and up to 68 feet tall. The site generates mostly smaller rockfalls but larger blocks are possible. Mitigation should include scaling the slope and then installing rock bolts in key blocks to stabilize larger blocks and draped mesh over the full length of cut slope to control smaller events. Because the site is relatively short a second option would be to excavate the slope back to a flatter configuration and increase the size of the fallout area next to the roadway. **(At the time of this final report, the slope through this section is undergoing excavation to form an improved fallout area as part of the Beartooth Highway reconstruction project.)**

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	250 hrs	100	25,000
Draped Mesh	50,000 sq.ft.	3	150,000
Rock Bolts	220 ln.ft.	100	22,000
		Total Cost:	$197,000
		Cost /Score Ratio:	417

Section Number: 588
Corridor: C000028N Side: Right
Beginning Mile Point: 047+0.630 Ending Mile Point: 047+0.920
RHRS Score: 647

Conceptual Mitigation Design

This slope is approximately 1,530 ft. long with a maximum height of about 120 ft.. Slope has very tall portions with near vertical cuts with limited ditch width (3 to 5-feet) throughout the site. Many launch features exist. Talus has accumulated at the toe of slope in some areas. Scale slope, install rock bolts to provide additional support to key blocks, and install draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost	Element Cost
Scaling	600 hrs.	100	60,000
Draped Mesh	125,000 sq. ft.	3	375,000
Rock Bolts	750 ln.ft.	100	75,000
		Total Cost:	$510,000
		Cost /Score Ratio:	788

Section Number: 600
Corridor: C000028N Side: Left
Beginning Mile Point: 049+0.720 Ending Mile Point: 050+0.370
RHRS Score: 687

Conceptual Mitigation Design

This slope is approximately 3,400 feet long. Numerous slope features/types exist at this site. There are three long talus slopes (one with large outcrops between 200 and 500 feet above slope) which are oversteepened to a height of about 120 feet. These slopes appear to be the most active. Most of the site consists of near vertical rock cuts of a height about 60 feet. Structural discontinuities tend to control the rockfall events in these locations. At some locations there is weathered talus above the rock cut which yields some rockfall. Scale the entire site, including the large outcrops high above the talus slopes. Install draped mesh on near vertical rock cuts and draped cable nets with catch fence placed at top of rock cut below long talus slope areas. Install rock bolts in larger blocks (20 bolts at 15 feet length) over vertical rock cuts.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	1,200 hrs.	100	120,000
Draped Mesh	150,000 sq. ft.	3	450,000
Modified Rockfall Fence w/ Draped Cable Nets	60,000 sq. ft.	15	900,000
Rock Bolts	300 ln.ft.	100	30,000
		Total Cost:	$1,500,000
		Cost /Score Ratio:	2,183

Section Number: 601
Corridor: C000028N Side: Left
Beginning Mile Point: 050+0.390 Ending Mile Point: 050+0.500
RHRS Score: 597

Conceptual Mitigation Design

This slope is approximately 580 feet long with a maximum height of about 290 feet. Cut slopes below long talus slope with large outcrops near the top of the talus slope. Large blocks in talus and overhanging features are a concern for large block volume failures. Scale slope and install draped cable nets with catch fence placed at break of slope 80 feet above roadway. Install rock bolts in larger blocks with adverse joint features (30 bolts at 20 feet length).

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	400 hrs.	100	40,000
Modified Rockfall Fence w/ Draped Cable Nets	46,400 sq. ft.	15	696,000
Rock Bolts	600ln.ft.	100	60,000
		Total Cost:	$796,000
		Cost /Score Ratio:	1,333

Section Number: 602
Corridor: C000028N Side: Left
Beginning Mile Point: 050+0.500 Ending Mile Point: 050+0.790
RHRS Score: 646

Conceptual Mitigation Design

This slope is approximately 1,530 ft. long with a maximum height of about 125 feet. Site contains near vertical rock cuts with numerous slope irregularities and launch features, and very limited fallout area throughout. Scale the entire site. Install draped mesh on the near vertical rock cuts and draped cable nets with catch fence in areas with flatter slopes. Install rock bolts in larger blocks.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	1,200 hrs.	100	120,000
Draped Mesh	60,000 sq. ft.	3	180,000
Modified Rockfall Fence w/ Draped Cable Nets	30,000 sq. ft.	15	450,000
Rock Bolts	600 ln.ft.	100	60,000
		Total Cost:	$810,000
		Cost /Score Ratio:	1,254

Section Number: 605
Corridor: C000028N Side: Left
Beginning Mile Point: 050+1.080 Ending Mile Point: 050+1.250
RHRS Score: 647

Conceptual Mitigation Design

This slope is approximately 900 feet long with a maximum height of about 105 feet. The site contains both vertical rock slopes and slopes that are on about a 1:1. The vertical cuts have very little ditch width (1 to 2 feet) and a height of approximately 60 feet. The flatter cuts have a height of 80 to 100 feet. Scale slope and then install draped cable nets with catch fence (20 feet long) placed 25 feet above roadway.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	800 hrs.	100	80,000
Modified Rockfall Fence w/ Draped Cable Nets	18,000 sq. ft.	15	270,000
		Total Cost:	$350,000
		Cost /Score Ratio:	541

Section Number: 614
Corridor: C000028N Side: Right
Beginning Mile Point: 050+1.940 Ending Mile Point: 050+1.960
RHRS Score: 614

Conceptual Mitigation Design

This slope is part of along talus slope which is approximately 110 feet long with a maximum height of about 500 feet. The lower 100 feet is oversteepened above which is at a 1H:1V or flatter. Many rock outcrops above slope provide the source of the talus material. Install draped cable nets with a catchment fence placed 100 feet above roadway.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Modified Rockfall Fence w/ Draped Cable Nets	11,000 sq. ft.	15	165,000
		Total Cost:	$165,000
		Cost /Score Ratio:	269

Section Number: 615
Corridor: C000028N Side: Right
Beginning Mile Point: 050+1.960 Ending Mile Point: 052+0.000
RHRS Score: 551

Conceptual Mitigation Design

This slope is approximately 215 feet long with a maximum height of about 290 feet. Site is a near vertical rock cut at the toe of a long talus slope. There are many outcrops above slope. Most rockfall is likely due to the rock in the cut and not the talus above. Scale near vertical portions of cut. Install draped cable nets with a catchment fence placed 75 feet above roadway.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	165 hrs.	100	16,500
Modified Rockfall Fence w/ Draped Cable Nets	16,500 sq. ft.	15	247,000
		Total Cost:	$263,500
		Cost /Score Ratio:	478

Section Number: 616
Corridor: C000028N Side: Right
Beginning Mile Point: 052+0.000 Ending Mile Point: 052+0.030
RHRS Score: 551

Conceptual Mitigation Design

This talus slope is approximately 160 feet long with a maximum height of about 475 feet. Install a draped cable net with catch fence (20 feet long) placed 25 feet above the roadway.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Modified Rockfall Fence w/ Draped Cable Nets	3,200 sq. ft.	15	48,000
		Total Cost:	$48,000
		Cost /Score Ratio:	87

Section Number: 617
Corridor: C000028N Side: Right
Beginning Mile Point: 052+0.030 Ending Mile Point: 052+0.220
RHRS Score: 668

Conceptual Mitigation Design

This talus slope is approximately 1,000 feet with a maximum height of about 220 feet. Several sections of the talus slope are oversteepened. Install a draped cable net with catch fence placed 60 feet above the roadway.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Modified Rockfall Fence w/ Draped Cable Nets	60,000 sq. ft.	15	900,000
		Total Cost:	$900,000
		Cost /Score Ratio:	1,347

Section Number: 627
Corridor: C000028N Side: Left
Beginning Mile Point: 053+0.450 Ending Mile Point: 053+0.500
RHRS Score: 487

Conceptual Mitigation Design

This talus slope is approximately 260 feet long with a maximum height of about 50 feet. There are many scars on the roadway as evidence of past rockfall. Mitigation includes scaling the slope and draping it with mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	130	100	13,000
Draped Mesh	15,000 sq. ft.	3	45,000
		Total Cost:	$58,000
		Cost /Score Ratio:	119

Section Number: 674
Corridor: C000029N Side: Left
Beginning Mile Point: 068+0.490 Ending Mile Point: 068+0.610
RHRS Score: 594

Conceptual Mitigation Design

This slope is approximately 635 feet long with a maximum height of about 95 feet. Large through cut, near vertical slope, evidence shows large wedge failures have occurred and maintenance reports 2 large rockfalls in last 10 years. Perform heavy scaling and drape mesh at beginning (south/east) end of slope, where wedge failures are not prominent. On the remainder of the slope perform scaling and drape with mesh; plus, install rock bolts to provide additional support to key blocks using 10, 15, and 20-foot long bolts.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	420 hrs.	100	42,000
Draped Mesh	42,000 sq. ft.	3	126,000
Rock Bolts	1,500 ln.ft.	100	150,000
		Total Cost:	$318,000
		Cost /Score Ratio:	535

Section Number: 675
Corridor: C000029N Side: Right
Beginning Mile Point: 068+0.490 Ending Mile Point: 068+0.630
RHRS Score: 522

Conceptual Mitigation Design

This slope consists of a nearly vertical slope approximately 735 feet long with a maximum height of about 85 feet. There is ample evidence of past wedge failures. Mitigation should include scaling, installing draped mesh, and installing rock bolts to provide additional support to key blocks.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	600	100	60,000
Draped Mesh	60,000 sq. ft.	3	180,000
Rock Bolts	1,200 ln.ft.	100	120,000
		Total Cost:	$360,000
		Cost /Score Ratio:	690

Section Number: 705
Corridor: C000029N Side: Right
Beginning Mile Point: 076+0.070 Ending Mile Point: 076+0.140
RHRS Score: 579

Conceptual Mitigation Design

This slope is approximately 370 feet long with a maximum height of about 135 feet. The slope contains large blocks with adverse structure, and an portion with no fallout area. Perform pre-split blasting to excavate and create a wider ditch and increase sight distance. Scale the remainder of smaller rockfall material. Install rock bolts to secure large blocks with adverse dipping stress-relief joints using approximately 50, 20-foot long bolts.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	250	100	25,000
Excavate Slope - pre-split blasting	1400 cu. yd.	20	28,000
Rock Bolts	1,000 ln.ft.	100	100,000
		Total Cost:	$153,000
		Cost /Score Ratio:	264

Section Number: 711
Corridor: C000029N Side: Right
Beginning Mile Point: 076+0.850 Ending Mile Point: 077+0.030
RHRS Score: 486

Conceptual Mitigation Design

This slope is approximately 1,000 feet long with a maximum height of about 75 feet. Slope has very little fallout area. Mitigation should include scaling and installing draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	750 hrs.	100	75,000
Draped mesh	75,000	3	225,000
		Total Cost:	$300,000
		Cost /Score Ratio:	617

Section Number: 734
Corridor: C000033N Side: Right
Beginning Mile Point: 017+0.010 Ending Mile Point: 017+0.140
RHRS Score: 522

Conceptual Mitigation Design

This is the "Dirty Shame" wedge failure adjacent to the eastern abutment of the Libby Dam. Dozens of tendons have been installed where another prominent wedge appears likely. To prohibit small rocks from exiting the ditch, both draped mesh and a jersey barrier have been installed along most of the length of the slope. In order to stop the large blocks, install a 140-foot long Brugg fence atop the paneled bin wall just north of the wedge failure.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Brugg Fence	140 ln.ft.	400	56,000
		Total Cost:	$56,000
		Cost /Score Ratio:	107

Section Number: 737
Corridor: C000033N Side: Right
Beginning Mile Point: 017+0.610 Ending Mile Point: 018+0.010
RHRS Score: 540

Conceptual Mitigation Design
This slope is approximately 2112 feet long with a maximum height of about 120 feet. Cleanout accumulated debris and excavate to reshape the ditch to form a reverse slope. Install a culvert(s) to drain the ditch.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Ditch Improvement	2,900 cu. Yd.	15	43,500
Culvert Installation	l.s.	10,000	10,000
		Total Cost:	$53,500
		Cost /Score Ratio:	99

Section Number: 807
Corridor: C000033N Side: Right
Beginning Mile Point: 054+0.610 Ending Mile Point: 054+0.760
RHRS Score: 476

Conceptual Mitigation Design

This slope is approximately 790 feet long with a maximum height of about 125 feet. The main concern is an actively failing wedge section that is an approximately 100 feet long. Perform scaling to remove loose blocks. Install rock bolts (15- and 20-foot bolts). Shotcrete below overhang and wedge areas. Install concrete barrier to prevent stray rocks from reaching the road (~100 feet long).

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	80 hrs.	100	8,000
Rock Bolts	550 l.f.	100	55,000
Shotcrete	2,500	20	50,000
Concrete Barrier	100 ln.ft.	40	4,000
		Total Cost:	$117,000
		Cost /Score Ratio:	246

Section Number: 825
Corridor: C000035E Side: Right
Beginning Mile Point: 015+0.820 Ending Mile Point: 016+0.020
RHRS Score: 486

Conceptual Mitigation Design

This slope is approximately 1,050 feet long with a maximum height of about 115 feet. Scale loose rock off slope. Install draped cable nets and draped gabion mesh over the entire slope leaving except for the bottom 20-foot of slope above the toe. Assume approximately equal areas of both types of drape material using the cable nets in areas with larger rock blocks. Install rock bolts in larger rock masses to provide additional support. Install concrete barrier along entire length of section.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	400 hrs.	100	40,000
Draped Cable Nets	40,000 sq. ft.	10	400,000
Draped Mesh	40,000 sq. ft.	3	120,000
Rock Bolts	500 ln. ft.	100	50,000
Concrete Barrier	2,000 ln. ft.	40	80,000
		Total Cost:	$690,000
		Cost /Score Ratio:	1,420

Section Number: 851
Corridor: C000036E Side: Left
Beginning Mile Point: 010+0.460 Ending Mile Point: 010+0.530
RHRS Score: 498

Conceptual Mitigation Design

This slope is approximately 370 feet long with a maximum height of about 30 feet. Scale slope and drape with mesh. Install 15-foot long rock bolts and 6-foot long shear pins to add additional support to problematic blocks.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	100 hrs.	100	10,000
Rock Bolts	300 ln.ft.	100	30,000
Shear Pins	180 ln.ft.	60	10,800
Draped Mesh	9,400	3	28,200
		Total Cost:	$79,000
		Cost /Score Ratio:	159

Section Number: 852
Corridor: C000036E Side: Left
Beginning Mile Point: 010+0.540 Ending Mile Point: 010+0.580
RHRS Score: 539

Conceptual Mitigation Design

This slope is approximately 210 feet long with a maximum height of about 30 feet. Scale slope and rock bolt problematic blocks (ten 15-foot bolts) and install shear pins (ten 6-foot pins). Apply shotcrete to areas with eroding shale interbeds. Install draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	50 hrs.	100	5,000
Rock Bolts	150 ln.ft.	100	15,000
Shear Pins	60 ln.ft.	60	3,600
Shotcrete	500 sq. ft.	20	10,000
Draped Mesh	5,000 sq.ft.	3	15,000
		Total Cost:	$48,600
		Cost /Score Ratio:	90

Section Number: 904
Corridor: C000046E Side: Right
Beginning Mile Point: 068+0.060 Ending Mile Point: 068+0.190
RHRS Score: 634

Conceptual Mitigation Design

This slope is approximately 690 feet long with a maximum height of about 195 feet. A 300-foot long portion consists of a vertical rock outcrop immediately adjacent to the roadway. There are numerous scars on the roadway from rock impacts. The rock is thinly bedded (~6-inch beds) with many folds and undulations. There is a river on the north side of the highway which restricts alignment options. Mitigation includes installing draped mesh over the entire slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Draped Mesh	60,000 sq. ft.	3	180,000
		Total Cost:	$180,000
		Cost /Score Ratio:	284

Section Number: 913
Corridor: C000046E Side: Right
Beginning Mile Point: 072+0.360 Ending Mile Point: 072+0.860
RHRS Score: 524

Conceptual Mitigation Design

This slope is approximately 2,640 feet long with a maximum height of about 70 feet. Site is relatively long with portions more problematic than others. Two segments of the rockfall section generate the majority of the rockfall activity that requires mitigation. The first section is 300 feet long and 70 feet high. Mitigation would include constructing a 25-foot wide fallout area. It is likely that blasting would not be necessary. The second section is 700 feet long and approximately 55 feet high. Mitigation would include scaling and installing draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Excavation (no controlled blasting)	19,500 cu. yd.	15	292,500
Scaling	130 hrs.	100	13,000
Draped Mesh	38,500 sq. ft.	3	115,500
		Total Cost:	$421,000
		Cost /Score Ratio:	803

Section Number: 914
Corridor: C000046E Side: Right
Beginning Mile Point: 072+0.900 Ending Mile Point: 073+0.490
RHRS Score: 490

Conceptual Mitigation Design

This slope is approximately 3,115 feet long with a maximum height of about 60 feet. There is very little fallout area for most of the site. Erosion of soil around rocks in the talus and erosion of weak interbeds appears to be main cause of rockfall. Mitigation would include slope scaling and installing draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	950 hrs.	100	95,000
Draped Mesh	190,000 sq. ft.	3	570,000
		Total Cost:	$665,000
		Cost /Score Ratio:	1,357

Section Number: 916
Corridor: C000046E Side: Right
Beginning Mile Point: 073+0.600 Ending Mile Point: 073+0.750
RHRS Score: 571

Conceptual Mitigation Design

This slope is 790 feet long with a maximum height of about 180 feet. The site has a 50-foot tall portion with no catchment. The taller portion at the east end has moderate catchment. The 400-foot long portion with no catchment is most critical. Mitigation would include scaling, installing draped mesh, and installing rock bolts to provide additional support to larger key blocks in the upper portion of the slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	200 hrs.	100	20,000
Draped Mesh	20,000 sq. ft.	3	60,000
Rock Bolts	650 ln. ft.	100	65,000
		Total Cost:	$145,000
		Cost /Score Ratio:	254

Section Number: 933
Corridor: C000050N Side: Right
Beginning Mile Point: 050+0.680 Ending Mile Point: 050+0.800
RHRS Score: 486

Conceptual Mitigation Design

This slope is 635 feet long with a maximum height of about 135 feet. The slope includes a rock outcrop above a talus slope. The talus appears relatively stable with a slope ratio of 1:1 or flatter. The rock outcrop above does not show many rockfall scars, but the accumulated talus contains many fresh blocks. There are a number of vertical joint features within the outcrop visible from the road. These blocks appear to be the source of the rockfall events. Mitigation would include slope scaling, cleanout of the fallout area, and installation rock bolts in the suspect blocks.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	425 hrs	100	42,500
Ditch Cleaning/Improvement	1,400 cu. yd.	15	21,000
Rock Bolts	750 ln.ft.	100	75,000
		Total Cost:	$138,500
		Cost /Score Ratio:	285

Section Number: 937
Corridor: C000050N Side: Right
Beginning Mile Point: 052+0.870 Ending Mile Point: 052+0.960
RHRS Score: 495

Conceptual Mitigation Design

This slope is 475 feet long with a maximum height of about 90 feet. The section consists of an oversteepened cut slope in talus. The natural talus slops is stable, typically at a 1:1 slope ratio or flatter, but the cut at the base of the talus is oversteepened with only a 10-foot fallout area available. Mitigation would include installing draped mesh with catch fence roughly 40 feet above the roadway and installing a concrete barrier along the edge of pavement.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Draped Mesh w/ catch fence	16,000 sq. ft.	5	80,000
Concrete Barrier	800 ln.ft.	40	32,000
		Total Cost:	$112,000
		Cost /Score Ratio:	226

Section Number: 946
Corridor: C000050N Side: Right
Beginning Mile Point: 060+0.730 Ending Mile Point: 060+0.960
RHRS Score: 549

Conceptual Mitigation Design

This slope is 1,215 feet long with a maximum height of about 290 feet. It consists predominately of a talus slope, with some short (20-foot tall) outcrops of rock. Most of the rockfall appears to originate from the oversteepened talus slopes due to erosion of the soil matrix that provides support to rock blocks. The outcrops above may also contribute to the rockfall, but not as a primary source. Mitigation would include scaling and installing a catch fence with draped mesh above the oversteepened portion of the talus slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	250 hrs.	100	25,000
Draped Mesh w/ Catch Fence	60,000 sq. ft.	5	300,000
		Total Cost:	$325,000
		Cost /Score Ratio:	592

Section Number: 947
Corridor: C000050N Side: Right
Beginning Mile Point: 061+0.180 Ending Mile Point: 061+0.260
RHRS Score: 555

Conceptual Mitigation Design

This slope is 425 feet long with a maximum height of about 130 feet. The active rockfall portion of slope appears to be the lower 60 feet of the slope. A small fallout area is present along with a standard guardrail. Mitigation would include scaling the slope and installing a catch fence with draped ring nets.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	210 hrs.	100	21,000
Modified Rockfall Fence w/ Draped Cable Nets	12,000 sq. ft.	15	180,000
		Total Cost:	$201,000
		Cost /Score Ratio:	362

Section Number: 1076
Corridor: C000083N Side: Right
Beginning Mile Point: 005+0.540 Ending Mile Point: 005+0.690
RHRS Score: 498

Conceptual Mitigation Design

This slope is 790 feet long with a maximum height of about 95 feet. Mitigation would consist of scaling selected portions of the slope containing larger nested boulders, installing a two-basket high, 6-foot tall, gabion basket wall along roadway to increase the storage area and capacity to control larger events without damage. Install draped mesh over entire slope and leave mesh 20 feet short of toe.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	125 hrs.	100	12,500
Draped Mesh	55,300 sq. ft.	3	165,900
Gabion Basket Wall	790 ln. ft.	200	158,000
		Total Cost:	$336,400
		Cost /Score Ratio:	676

Section Number: 1087
Corridor: C000083N Side: Right
Beginning Mile Point: 009+0.050 Ending Mile Point: 009+0.160
RHRS Score: 474

Conceptual Mitigation Design

This slope is approximately 580 feet long with a maximum height of about 90 feet. Mitigation would include installing draped mesh with catch fence 30 feet above the roadway draping to within 10 feet of the toe of slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Draped Mesh w/ Catch Fence	11,600 sq. ft.	5	58,000
		Total Cost:	$58,000
		Cost /Score Ratio:	122

Section Number: 1110
Corridor: C000084E Side: Left
Beginning Mile Point: 006+0.620 Ending Mile Point: 006+0.870
RHRS Score: 571

Conceptual Mitigation Design

This slope is approximately 1,320 feet long with a maximum height of about 325 feet. The section includes tall outcrops above the roadway and a short 100-foot long near vertical portion adjacent to the roadway. There are large (over 8 feet across) blocks in the talus below the outcrops. Mitigation would include installing a two-basket high, 6-foot tall, gabion basket wall along roadway to provide additional capacity. In the 100-foot long near vertical portion, install draped cable nets.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Gabion Basket Wall	1,220 ln. ft.	200	244,000
Draped Cable Nets	11,500 sq. ft.	10	115,000
		Total Cost:	$359,000
		Cost /Score Ratio:	629

Section Number: 1114
Corridor: C000086N Side: Left
Beginning Mile Point: 004+0.370 Ending Mile Point: 004+0.450
RHRS Score: 567

Conceptual Mitigation Design

This slope is approximately 425 feet long with a maximum height of about 130 feet. The slope is a tall, nearly vertical outcrop above the road. Most block failures appear to be small as material is thinly bedded. Weathered vertical joints pose the threat of larger volume events. There are a number of eroded joints behind these masses. Mitigation would include excavation using controlled blasting to create a larger fallout area in addition to scaling and installing draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Excavation with Controlled Blasting	10,000 cu. yd.	20	200,000
Scaling	410 hrs.	100	41,000
Draped Mesh	41,000 sq. ft.	3	123,000
		Total Cost:	$364,000
		Cost /Score Ratio:	642

Section Number: 1132
Corridor: C000087E Side: Left
Beginning Mile Point: 004+0.020 Ending Mile Point: 004+0.750
RHRS Score: 657

Conceptual Mitigation Design

This slope is 3,850 feet long with a maximum height of about 135 feet. Most of the slope is comprised of oversteepened talus with limited fallout area. There are two locations where there is evidence of the larger volume events. At one of these locations there is a large spring at the top of the slope, which maintenance reports as contributing to the rockfall/mudflow problems. Mitigation would include providing positive drainage at the spring location and installing draped mesh at selected slope locations (est. 120,000 sq. ft.) and placing a concrete barrier along entire section.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Drains	1 l.s.	10,000	10,000
Draped Mesh	120,000 sq. ft.	3	360,000
Concrete Barrier	3855 l.f.	40	154,200
		Total Cost:	$524,200
		Cost /Score Ratio:	798

Section Number: 1172
Corridor: C000090W Side: Left
Beginning Mile Point: 024+0.040 Ending Mile Point: 024+0.190
RHRS Score: 546

Conceptual Mitigation Design

This slope is 790 feet long with a maximum height of about 155 feet. Mitigation would include cleaning the fallout area of accumulated rockfall debris, installing a two-basket high, 6-foot tall, gabion basket wall along roadway to provide additional storage height and rockfall protection for larger events due to the weight of the gabion baskets.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Ditch Improvement	1,755 cu. yd.	10	17,550
Gabion Basket Wall	790 ln. ft.	200	158,000
		Total Cost:	$175,550
		Cost /Score Ratio:	322

Section Number: 1175
Corridor: C000090W Side: Left
Beginning Mile Point: 024+0.590 Ending Mile Point: 024+0.720
RHRS Score: 564

Conceptual Mitigation Design

This slope is approximately 685 feet long with a maximum height of about 135 feet. Mitigation would include cleaning out accumulated rockfall debris from the fallout area, and installing a two-basket high, 6-foot tall, gabion basket wall along the roadway to provide additional storage height and rockfall protection for larger events due to the weight of the gabion baskets.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Ditch Improvement	1,520 cu. yd.	10	15,200
Gabion Basket Wall	685 ln. ft.	200	137,000
		Total Cost:	$152,200
		Cost /Score Ratio:	270

Section Number: 1177
Corridor: C000090W Side: Left
Beginning Mile Point: 026+0.240 Ending Mile Point: 026+0.430
RHRS Score: 489

Conceptual Mitigation Design

This slope is approximately 1,000 feet long with a maximum height of about 115 feet. The existing triple barrier is sufficient for the majority of the blocks; however, large block although less common were observed on the slope. To mitigate the large block concerns, the slope should be scaled.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	230 hrs.	100	23,000
		Total Cost:	$23,000
		Cost /Score Ratio:	47

Section Number: 1213
Corridor: C000090W Side: Left
Beginning Mile Point: 231+0.380 Ending Mile Point: 231+0.650
RHRS Score: 559

Conceptual Mitigation Design

This slope is approximately 1,425 feet long with a maximum height of about 105 feet. A 1000-foot long portion of slope is tall, with adverse structural features and highly fractured rock. The slope has a 15-foot wide bench about 60 feet above the road. Mitigation would include scaling, installing a catch fence at the top of the bench draping down slope to within 10 feet of the toe of slope, and installing 15-foot long rock bolts in the larger blocks with adverse jointing.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	750 hrs	100	75,000
Draped Mesh w/ Catch Fence	35,000 sq. ft.	5	175,000
Rock Bolts	1,500 ln.ft.	100	150,000
		Total Cost:	$400,000
		Cost /Score Ratio:	716

Section Number: 1218
Corridor: C000090W Side: Left
Beginning Mile Point: 231+0.950 Ending Mile Point: 232+0.160
RHRS Score: 473

Conceptual Mitigation Design

This slope is 1,100 feet long with a maximum height of about 1054 feet. A portion of this section is relatively tall and is highly active. The remainder of the slope is not as tall and has less adverse structural features. Mitigation would include scaling to remove large blocks and installing draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	700 hrs.	100	70,000
Draped Mesh	70,000 sq. ft.	3	210,000
		Total Cost:	$280,000
		Cost /Score Ratio:	592

Section Number: 1261
Corridor: C000090W Side: Left
Beginning Mile Point: 315+0.260 Ending Mile Point: 315+0.500
RHRS Score: 641

Conceptual Mitigation Design

This slope is 1,270 feet long with a maximum height of about 90 feet. The site is comprised of three distinct features: 1) Overhanging rock outcrop yielding large block failures, 2) Oversteepened till slope and erodible soil underlying rock outcrop, and 3) Block and wedge failure of material from an adversely jointed rock slope approximately 60-feet tall. Mitigation would include trim blasting to remove the overhanging feature, slope scaling, installing draped mesh and placing a concrete barrier at the edge of pavement throughout the section.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Trim Blasting	3,000 cu. yd.	20	60,000
Scaling	360 hrs.	100	48,000
Draped Mesh	48,000 sq. ft.	3	144,000
Rock Bolts	900 ln. ft.	100	90,000
Concrete Barrier	1300 ln.ft.	40	52,000
		Total Cost:	$382,000
		Cost /Score Ratio:	596

Section Number: 1275
Corridor: C000093E Side: Left
Beginning Mile Point: 001+0.060 Ending Mile Point: 001+0.260
RHRS Score: 582

Conceptual Mitigation Design

This slope is approximately 1,050 feet long. Mitigation would include performing some scaling of selected areas where rock is exposed (about 100 feet x 50 feet) and installing a concrete barrier along the edge of pavement for the full length of section.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	50 hrs.	100	5,000
Concrete Barrier	1060 ln.ft.	40	42,400
		Total Cost:	$47,400
		Cost /Score Ratio:	81

Section Number: 1277
Corridor: C000093E Side: Right
Beginning Mile Point: 002+0.860 Ending Mile Point: 002+0.900
RHRS Score: 478

Conceptual Mitigation Design

This slope is 211 feet long with a maximum height of 81 feet. Mitigate future rockfall by placing shotcrete on an area 60 feet wide by 30 feet tall to limit differential erosion beneath the large block(s) in the upper portion of the slope, installing rock bolts in the large block (estimated at 2 rows of 30-foot long bolts with 8 bolts per row), installing draped mesh over the till beneath the block, and scaling the slope.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Shotcrete	1,800 sq. ft.	20	36,000
Rock Bolts	480 ln.ft.	100	48,000
Draped Mesh	17,000 sq. ft.	3	51,000
Scale	170 hrs.	100	17,000
		Total Cost:	$152,000
		Cost /Score Ratio:	318

Section Number: 1293
Corridor: C000093E Side: Left
Beginning Mile Point: 012+0.820 Ending Mile Point: 012+0.900
RHRS Score: 580

Conceptual Mitigation Design

This slope is 422 feet long with a maximum height of 90 feet. Mitigation would include scaling the slope, installing 20-foot long rock bolts in key blocks to prevent further planar and block failures, and installing draped mesh to contain smaller rocks not affected/controlled by rock bolts.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	300 hrs.	100	30,000
Rock Bolts	800 ln.ft.	100	80,000
Draped Mesh	30,000 sq. ft.	3	90,000
		Total Cost:	$200,000
		Cost /Score Ratio:	345

Section Number: 1299
Corridor: C000093E Side: Left
Beginning Mile Point: 015+0.090 Ending Mile Point: 015+0.240
RHRS Score: 477

Conceptual Mitigation Design

This slope is 792 feet long and 57 feet tall at its tallest point. Mitigation would include scaling the slope and installing draped mesh with a catch fence approximately 25 feet up from the toe of slope covering an area roughly 800 feet by 20 feet.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	400 hrs.	100	40,000
Draped Mesh w/ Catch Fence	16,000 sq. ft.	5	80,000
		Total Cost:	$120,000
		Cost /Score Ratio:	252

Section Number: 1304
Corridor: C000093E Side: Left
Beginning Mile Point: 018+0.110 Ending Mile Point: 018+0.200
RHRS Score: 564

Conceptual Mitigation Design

This slope is 475 feet long with a maximum height of 134 feet. Blast scaling is needed to remove the large (roughly 300 cubic yard) block shown above. The remainder of the rock outcrop should be scaled and draped mesh with a catch fence should be installed about 30 feet above the roadway covering an area 375 feet by 30 feet.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Blast Scaling	300 cu. yds.	100	30,000
Scaling	50 hrs.	100	5,000
Draped Mesh w/ catch fence	11250 sq. ft.	5	56,250
		Total Cost:	$91,250
		Cost /Score Ratio:	162

Section Number: 1399
Corridor: C000330W Side: Left
Beginning Mile Point: 012085 Ending Mile Point: 013+0.150
RHRS Score: 478

Conceptual Mitigation Design

The slope is 1,637 feet long and up to 92 feet tall. At present, the concrete barrier is keeping rock from road, but as erosion of the softer intermediate layers within the slope continues, larger blocks could fall. The slope should be scaled of loose rock over an average area of 1,400 feet by 40 feet. The erodible layers should be protected from further erosion by applying a layer of shotcrete.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	280 hrs.	100	28,000
Shotcrete	21,000 sq. ft.	20	420,000
		Total Cost:	$448,000
		Cost /Score Ratio:	937

Section Number: 1436
Corridor: C000419W Side: Right
Beginning Mile Point: 007+0.160 Ending Mile Point: 007+0.350
RHRS Score: 508

Conceptual Mitigation Design

This section is 1,003 feet long with a maximum height of 178 feet. Outcrop above slope appears to be fairly intact and is likely not a significant source of rockfall. Differential weathering of weak beds and the soil matrix in the till material is the primary rockfall source. The lower portion of the slope is approximately 1:1. Ditch is 10-15 feet wide, and sloped downward at 4H:1V towards the toe of the slope. A catch fence and draped mesh should be installed about 20 feet above the toe of slope. A double guard rail should be installed at the edge of pavement to restrict rolling rocks from the roadway.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Draped Mesh w/ catch fence	20,000 sq. ft.	5	100,000
Double Guard Rail	1,000 ln.ft.	30	30,000
		Total Cost:	$130,000
		Cost /Score Ratio:	256

Section Number: 1493
Corridor: C000472N Side: Right
Beginning Mile Point: 020+0.990 Ending Mile Point: 021+0.050
RHRS Score: 602

Conceptual Mitigation Design

The section is 316 feet long with a maximum slope height of 140 feet. Scale the upper portion of the slope, an area 300 feet by 50 feet. For the portion of slope with nearly no ditch, install a catch fence with draped mesh 30 feet above the roadway covering an area 100 feet by 20 feet. Install a triple guardrail throughout the section for 350 feet. Clean the ditch.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	150 hrs.	100	15,000
Draped Mesh w/ catch fence	2,000 sq. ft.	5	10,000
Triple Guardrail	350 ft.	40	14,000
		Total Cost:	$39,000
		Cost /Score Ratio:	65

Section Number: 1495
Corridor: C000472N Side: Right
Beginning Mile Point: 021+0.290 Ending Mile Point: 021+0.350
RHRS Score: 502

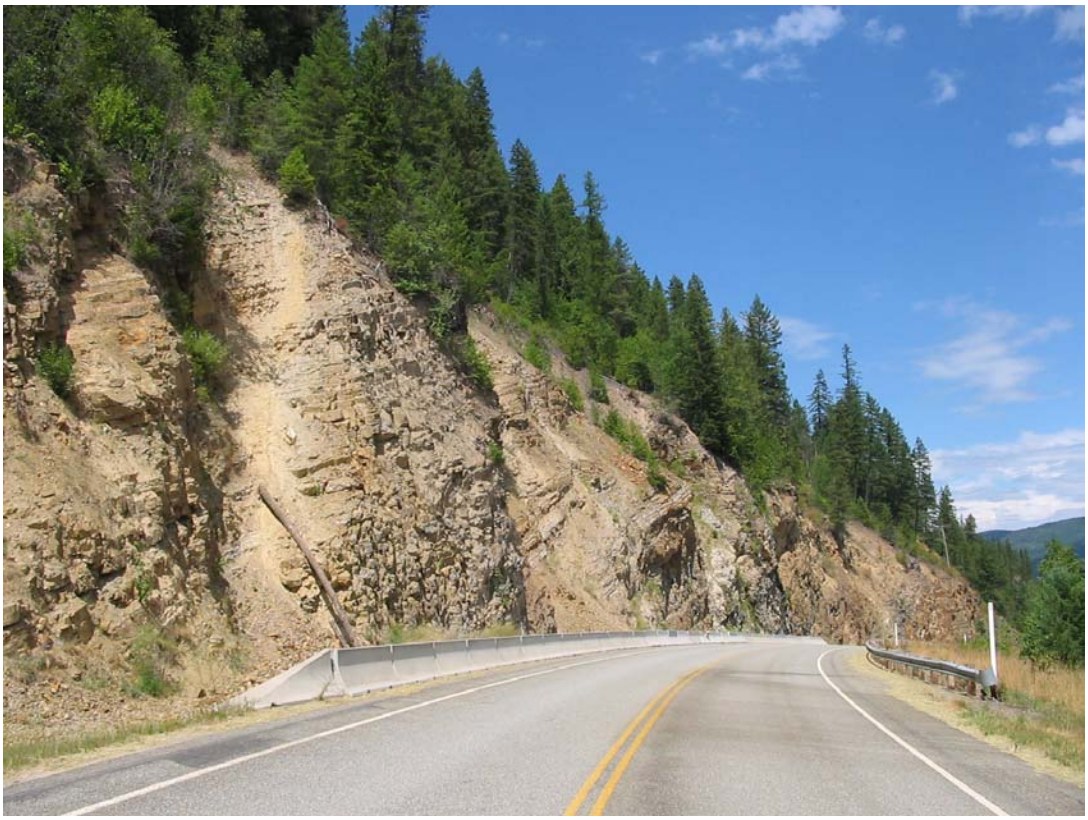
Conceptual Mitigation Design

This section is 317 feet long with a maximum height of 70 feet. The entire slope should be scaled covering an average area of 320 feet by 40 feet. Large blocks should be scaled using mechanical methods such as using jacks or air pillows or if blocks support upper talus material rock bolt the blocks in place. The outcrops above the slope do not show evidence of past failures as observed from the road; however, install a catch fence with draped mesh to cover an area 325 feet by 40 feet (average height).

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	130 hrs.	100	13,000
Rock Bolts	140 ln.ft.	100	14,000
Draped Mesh	13,000 sq. ft.	5	65,000
		Total Cost:	$92,000
		Cost /Score Ratio:	183

Section Number: 1518
Corridor: C000508N Side: Left
Beginning Mile Point: 006+0.620 Ending Mile Point: 006+0.920
RHRS Score: 483



Conceptual Mitigation Design

This section is 1,584 feet long with a maximum height of 115 feet. Rock bolt problematic areas using 10, 30-foot and 20, 20-foot long bolts. Apply shotcrete to the seam below the block. Scale the bolting area before beginning bolting. Extend concrete barrier through section and install a double stack gabion basket wall behind the barrier to provide more rockfall stopping capacity and a higher barrier.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	100 hrs.	100	10,000
Rock Bolts	700 ln.ft.	100	70,000
Gabion Basket Wall	1,600 ln.ft.	200	320,000
Concrete Barrier	1,225 ln.ft.	40	49,000
Shotcrete	3,300 sq.ft.	20	66,000
		Total Cost:	$515,000
		Cost /Score Ratio:	1,066

Section Number: 1549
Corridor: C000540N Side: Right
Beginning Mile Point: 004+0.330 Ending Mile Point: 004+0.460
RHRS Score: 520

Conceptual Mitigation Design

There are two issues at this site, which is 686 feet long and up to 135 feet tall. The tall near vertical cut of rock with highly weathered to decomposed rock on the surface contains some exposed rocks are where the weathered material has eroded or fallen away. The remainder contains rounded rock in a soil matrix. This material is at a 1:1 or slightly steeper. There are large rills and evidence of large volumes of material coming down in the past. Because the typical rockfall size is small (some up to 2 feet but most <6 inches), the rockfall problem can be retained by installing a concrete barrier for 750 feet.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Concrete Barrier	750 ln.ft.	40	30,000
		Total Cost:	$30,000
		Cost /Score Ratio:	58

Section Number: 1587
Corridor: C000567N Side: Left
Beginning Mile Point: 022+0.840 Ending Mile Point: 022+0.940
RHRS Score: 539

Conceptual Mitigation Design

The slope is 528 feet long and up to 55 feet tall. It contains layers that are more easily eroded that leads to part of the rockfall. Scale and then excavate/cleanout the debris from the ditch and reshape the ditch without undermining the toe of slope forming a fallout area about 4 to 5 feet wide. Drape mesh over the slope to control rock within the small ditch and shotcrete erodible zones to halt erosion.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	200 hrs.	100	20,000
Draped Mesh	20,000 sq. ft.	3	60,000
Ditch Improvement	20 hrs.	125	2,500
Shotcrete	1,400 sq.ft.	20	28,000
		Total Cost:	$110,500
		Cost /Score Ratio:	205

Section Number: 1599
Corridor: C015516E Side: Left
Beginning Mile Point: 002+0.160 Ending Mile Point: 002+0.560
RHRS Score: 489

Conceptual Mitigation Design

Overall the slope is 2112 feet long and up to 159 feet tall with a narrow catchment. The southern 300 feet of this section needs the most attention. It shows evidence of past planar failures with similar repeating joint features. This area should be reinforced with rock bolts using 95, 10-foot bolts. Some of these bolts will need to be installed high up on the slope. The remaining northern section averages 60 feet tall. A concrete barrier should be installed throughout the entire section with the understanding that it could sustain serious damage when the occasional large rock impacts it. The slope should be scaled. An optional measure not included with this design would be draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Rock Bolts	950 ln.ft.	100	95,000
Concrete Barrier	2,200 ln.ft.	40	88,000
Scaling	500 hrs.	100	50,000
		Total Cost:	$233,000
		Cost /Score Ratio:	476

Section Number: 1633
Corridor: C018203N Side: Right
Beginning Mile Point: 008+0.640 Ending Mile Point: 008+0.750
RHRS Score: 509

Conceptual Mitigation Design

This site is part of an upcoming design project. This section is 581 feet long and up to 185 feet tall. Install a double high gabion wall behind the concrete barrier. Scale the upper part of slope (the source of larger rock blocks).

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scale	600 hrs.	100	60,000
Double Stack Gabion Wall	590 ln.ft.	200	118,000
		Total Cost:	$178,000
		Cost /Score Ratio:	350

Section Number: 1635
Corridor: C018203N Side: Right
Beginning Mile Point: 008+0.880 Ending Mile Point: 009+0.120
RHRS Score: 587

Conceptual Mitigation Design

This site is part of an upcoming design project. This section is 1,267 feet long and up to 402 feet tall. Install an MSE wall 15 feet tall for the length of the section. Place a concrete barrier at the base of the wall for safety. Place a double stack gabion wall barrier on the outboard edge of the MSE wall. Provide access behind the gabion barrier for maintenance.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
MSE Wall (wire-faced)	19,500 sq.ft.	40	780,000
Concrete Barrier	1,300 ln.ft.	40	52,000
Double Stack Gabion Wall	1,300 ln.ft.	200	260,000
		Total Cost:	$1,092,000
		Cost /Score Ratio:	1,860

Section Number: 1638
Corridor: C018203N Side: Right
Beginning Mile Point: 009+0.740 Ending Mile Point: 010+0.140
RHRS Score: 576

Conceptual Mitigation Design

This site is part of an upcoming design project. This section is 2,112 feet long and up to 189 feet tall. The nature of the slope requires a complex mitigation scheme with several design elements. The slope should be scaled with a portion requiring blast scaling. Shotcrete should be applied to halt differential weathering. 1,710 linear feet of rock bolts should be installed. A cable barrier system should be installed on through a portion of the slope. A concrete barrier should be included for roughly two thirds of the section.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	570 hrs.	100	57,000
Blast Scaling	250 cu. yd.	100	25,000
Shotcrete	5,700 sq. ft.	20	114,000
Rock Bolts	1,710 ln.ft.	100	171,000
Cable Net Fence	550 ln.ft.	400	220,000
Concrete Barrier	1,050	40	42,000
		Total Cost:	$629,000
		Cost /Score Ratio:	1,092

Section Number: 1850
Corridor: C022249N Side: Left
Beginning Mile Point: 003+0.070 Ending Mile Point: 003+0.190
RHRS Score: 636

Conceptual Mitigation Design

This site has a near vertical slope with a narrow roadside ditch. The section is 634 feet long with an average height of 70 feet. The site contains numerous rock blocks that should be bolted in place following slope scaling. Due to the limited size of the fallout area, draped mesh should be installed to control the smaller rockfall events.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	450 hrs.	100	45,000
Rock Bolts	1,350 ln.ft.	100	135,000
Draped Mesh	45,000 sq. ft.	3	135,000
		Total Cost:	$315,000
		Cost /Score Ratio:	495

Section Number: 1851
Corridor: C022249N Side: Left
Beginning Mile Point: 003+0.390 Ending Mile Point: 003+0.550
RHRS Score: 649

Conceptual Mitigation Design

This is very complicated rockfall site with numerous causes of rockfall. Rockfalls are active and there is no catchment in most places. The section is 845 feet long and up to 232 feet tall. A combination of draped mesh, pre-split blasting, catch fences with draped mesh and barriers are recommended.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	250 hrs.	100	25,000
Draped Mesh	10,000 sq. ft.	3	30,000
Draped Mesh w/ catch fence	30,000 sq. ft.	5	150,000
Lay Back Slope - pre-split blasting	30,000 cu. yd.	20	600,000
Concrete Barrier	500 ln.ft.	40	20,000
		Total Cost:	$825,000
		Cost /Score Ratio:	1,271

Section Number: 1852
Corridor: C022249N Side: Left
Beginning Mile Point: 003+0.550 Ending Mile Point: 003+0.680
RHRS Score: 497

Conceptual Mitigation Design

This section contains a vertical cut slope with a very narrow roadside ditch. It is 686 feet long and up to 72 feet tall. The site should be scaled and then rock bolts should be used to secure potentially unstable key blocks. Due to the limited fallout area, the entire slope should be covered with draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	500 hrs.	100	50,000
Draped Mesh	50,000 sq. ft.	3	150,000
Rock Bolts	520 ln.ft.	100	52,000
		Total Cost:	$252,000
		Cost /Score Ratio:	507

Section Number: 1855
Corridor: C022249N Side: Left
Beginning Mile Point: 005+0.080 Ending Mile Point: 005+0.240
RHRS Score: 571

Conceptual Mitigation Design

Section is 845 feet long and very tall, up to 348 feet. The face is beyond vertical in places. The entire slope should be scaled. Numerous key blocks should be bolted and the slope should be covered with draped mesh to control smaller rockfall events except for a 200-foot long section that should have a modified catch fence with draped cable nets installed.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	1700 hrs.	100	170,000
Rock Bolts	2,550 ln.ft.	100	255,000
Draped Mesh	227,000 sq. ft.	3	681,000
Modified Catch Fence with Nets	4,000 sq. ft.	15	60,000
		Total Cost:	$1,166,000
		Cost /Score Ratio:	2,042

Section Number: 1857
Corridor: C022249N Side: Left
Beginning Mile Point: 005+0.720 Ending Mile Point: 005+0.840
RHRS Score: 480

Conceptual Mitigation Design

This section is 634 feet long and up to 91 feet tall. The fallout area should be cleaned out and a double stack gabion wall and concrete barrier should be placed the length of the section.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Double Stack Gabion Wall	635 ln.ft.	200	127,000
Cleanout Fallout Area	40 hrs.	100	4,000
Concrete Barrier	675 ln.ft.	40	27,000
		Total Cost:	$158,000
		Cost /Score Ratio:	329

Section Number: 1866
Corridor: C031070E Side: Left
Beginning Mile Point: 000+0.510 Ending Mile Point: 000+0.640
RHRS Score: 499

Conceptual Mitigation Design

This site is 690 feet long and averages 50 feet tall. Mitigation should include rock bolts installed in key blocks after slope scaling, and installing draped mesh on the slope and new rockfall warning signs

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Rock Bolts	300 ln.ft.	100	30,000
Scaling	320 hrs.	100	32,000
Signage	2 l.s.	250	500
Draped Mesh	35,000 sq.ft.	3	105,000
		Total Cost:	$167,500
		Cost /Score Ratio:	336

Section Number: 1697
Corridor: C048245N Side: Left
Beginning Mile Point: 001+0.750 Ending Mile Point: 001+0.970
RHRS Score: 509

Conceptual Mitigation Design

The section is 1162 feet long and up to 114 feet tall. The most critical portion is 500-feet long, and 40 to 60 feet tall. The primary mode of failure is blocks being undercut by erosion of weak layers within the cut. Mitigation should focus on limiting future erosion using shotcrete and stabilizing specific rock blocks with rock bolts. Draped mesh should be installed to control smaller rockfalls.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	300 hrs.	100	30,000
Shotcrete	7,500 sq. ft.	20	150,000
Rock Bolts	450 ln.ft.	100	45,000
Draped Mesh	3,000 sq.ft.	3	9,000
		Total Cost:	$234,000
		Cost /Score Ratio:	460

Section Number: 1871
Corridor: C081001N Side: Right
Beginning Mile Point: 023+0.480 Ending Mile Point: 023+0.690
RHRS Score: 551

Conceptual Mitigation Design

Site has adverse structure with some near vertical continuous joints with a fallout area that varies from 1 to 5-feet wide. The section is 1108 feet long and up to 81 feet tall. Mitigation measures should include scaling the slope, installing rock bolts in key blocks and covering the slope with draped mesh.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	600 hrs.	100	60,000
Draped Mesh	80,000 sq. ft.	3	240,000
Rock Bolts	740 ln.ft.	100	74,000
		Total Cost:	$374,000
		Cost /Score Ratio:	679

Section Number: 1704
Corridor: C081003N Side: Right
Beginning Mile Point: 000+0.000 Ending Mile Point: 000+0.200
RHRS Score: 547

Conceptual Mitigation Design
This section is 1056 feet long and up to 246 feet tall. The site needs localized scaling (900 feet by 40 feet) with draped mesh installed. Key blocks should be bolted. Additional signing is warranted.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Signage	2 l.s.	250	500
Scaling	360 hrs.	100	36,000
Draped Mesh	36,000 sq. ft.	3	108,000
Rock Bolts	960 ln.ft.	100	96,000
		Total Cost:	$240,500
		Cost /Score Ratio:	440

Section Number: 1709
Corridor: C081003N Side: Right
Beginning Mile Point: 000+0.800 Ending Mile Point: 000+0.910
RHRS Score: 493

Conceptual Mitigation Design

This site is 580 feet long and up to 52 feet tall. The site contains numerous rock blocks that should be bolted in place following slope scaling. Due to the limited size of the fallout area, draped mesh should be installed to control the smaller rockfall events. The erodible shale layer should be shotcreted to prevent further differential erosion (2.5' x 200').

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	240 hrs.	100	24,000
Draped Mesh	24,000 sq. ft.	3	72,000
Shotcrete	1,300 sq. ft.	20	26,000
Rock Bolts	600 ln.ft.	100	60,000
		Total Cost:	$182,000
		Cost /Score Ratio:	369

Section Number: 1710
Corridor: C081003N Side: Right
Beginning Mile Point: 001+0.060 Ending Mile Point: 001+0.360
RHRS Score: 496

Conceptual Mitigation Design

This site is 1,584 feet long and up to 92 feet tall. The site should be scaled and then key blocks should be bolted in place. Draped mesh should be installed to control smaller rockfall events into the limited catchment area.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	1,050 hrs.	100	105,000
Draped Mesh	70,000 sq. ft.	3	210,000
Rock Bolts	250 ln.ft.	100	25,000
		Total Cost:	$340,000
		Cost /Score Ratio:	685

Section Number: 1711
Corridor: C081003N Side: Right
Beginning Mile Point: 001+0.710 Ending Mile Point: 001+0.890
RHRS Score: 485

Conceptual Mitigation Design
This section is 950 feet long and 35 feet tall. The slope should be scaled, key blocks bolted in place and draped mesh installed.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Scaling	350 hrs.	100	35,000
Draped Mesh	15,000 sq. ft.	3	45,000
Rock Bolts	525 ln.ft.	100	52,500
		Total Cost:	$132,500
		Cost /Score Ratio:	273

Section Number: 1788
Corridor: C081013N Side: Right
Beginning Mile Point: 001+0.780 Ending Mile Point: 001+0.960
RHRS Score: 498

Conceptual Mitigation Design

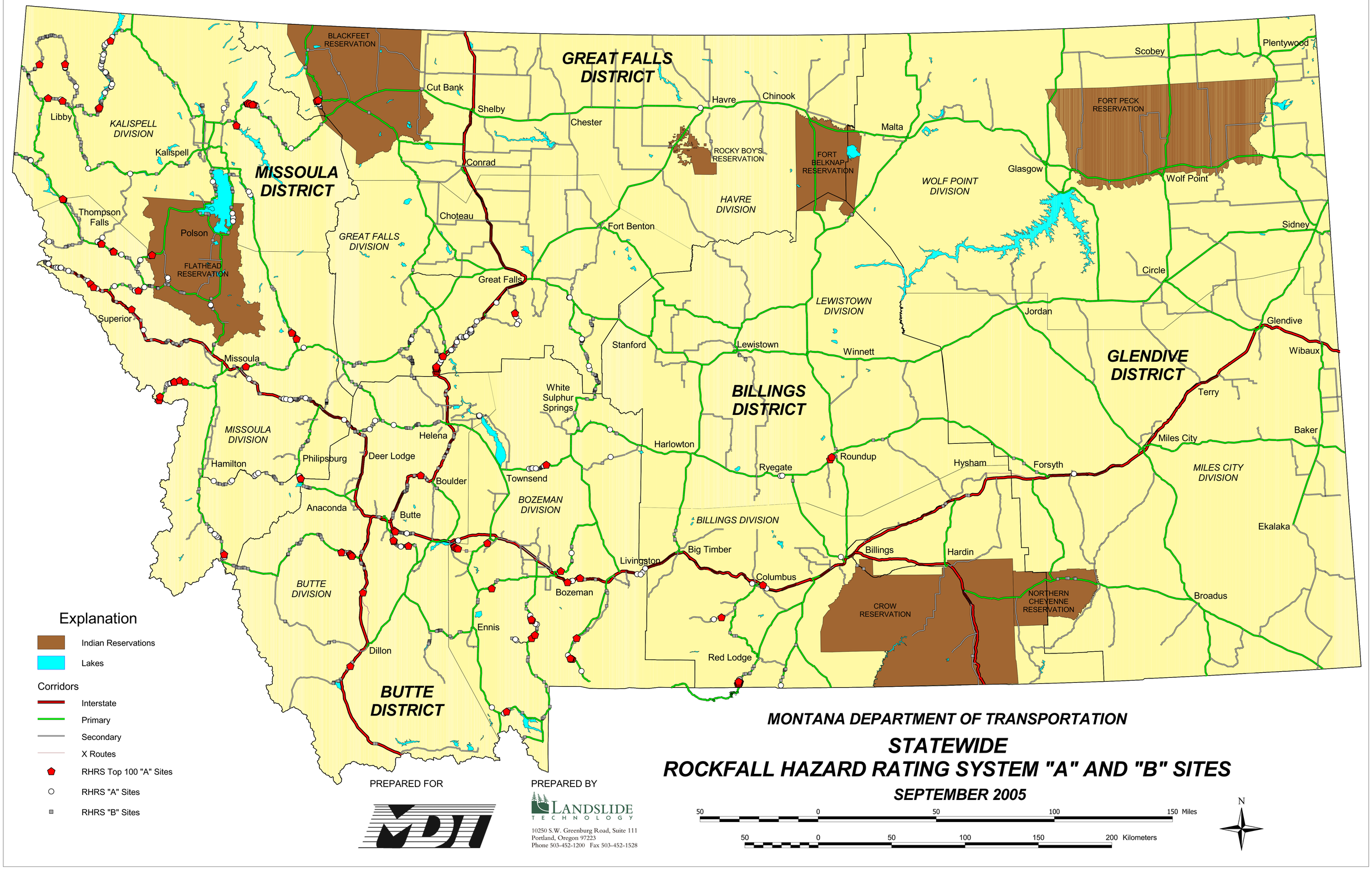
This rockfall section is 950 feet long and up to 101 feet tall. A rockfall catch fence with draped mesh (15-foot drape) should be installed and a concrete barrier installed along the edge of pavement. Additional signs are warranted.

Mitigation Cost Estimate

Design Element	Quantity / Units	Unit Cost ($)	Element Cost ($)
Concrete Barrier	1,000 ln.ft.	40	40,000
Draped Mesh w/Catch Fence	14,250 sq.ft.	5	71,250
Signage	2 l.s.	250	500
		Total Cost:	$111,750
		Cost /Score Ratio:	224

APPENDIX D

Statewide and District Rockfall Hazard Map



Explanation

- Indian Reservations
- Lakes

Corridors

- Interstate
- Primary
- Secondary
- X Routes
- RHRS Top 100 "A" Sites
- RHRS "A" Sites
- RHRS "B" Sites

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10250 S.W. Greenburg Road, Suite 111
Portland, Oregon 97223
Phone 503-452-1200 Fax 503-452-1528

MONTANA DEPARTMENT OF TRANSPORTATION

STATEWIDE
ROCKFALL HAZARD RATING SYSTEM "A" AND "B" SITES

SEPTEMBER 2005

50 0 50 100 150 Miles

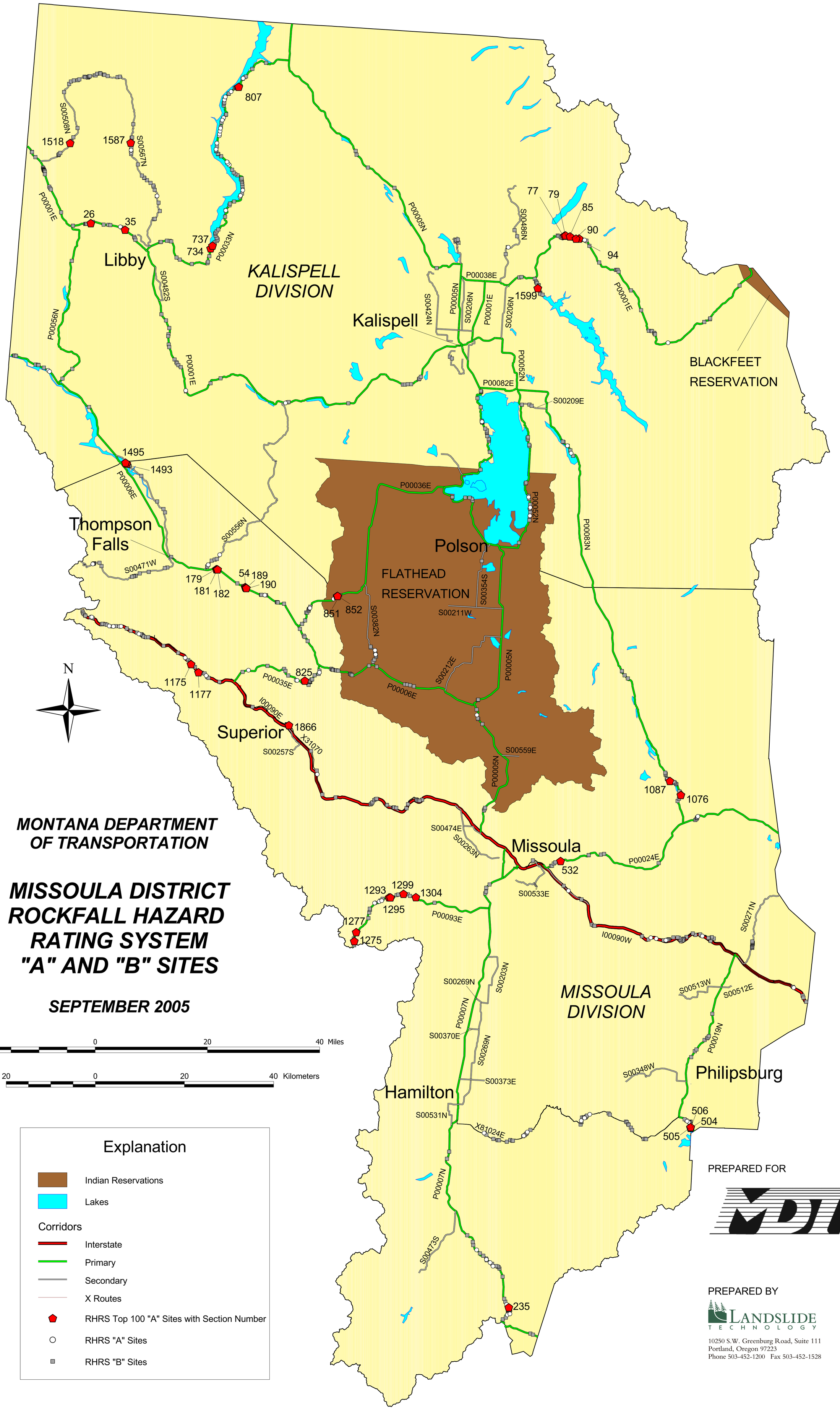
50 0 50 100 150 200 Kilometers

N

MONTANA DEPARTMENT OF TRANSPORTATION

MISSOULA DISTRICT ROCKFALL HAZARD RATING SYSTEM "A" AND "B" SITES

SEPTEMBER 2005



N

20 0 20 40 Miles

20 0 20 40 Kilometers

Explanation

- Indian Reservations
- Lakes

Corridors

- Interstate
- Primary
- Secondary
- X Routes
- RHRS Top 100 "A" Sites with Section Number
- RHRS "A" Sites
- RHRS "B" Sites

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MONTANA DEPARTMENT OF TRANSPORTATION

BUTTE DISTRICT
ROCKFALL HAZARD RATING SYSTEM "A" AND "B" SITES

SEPTEMBER 2005

30 0 30 60 Miles

30 0 30 60 Kilometers

Explanation

- Indian Reservations
- Lakes

Corridors

- Interstate
- Primary
- Secondary
- X Routes
- RHRS Top 100 "A" Sites with Section Number
- RHRS "A" Sites
- RHRS "B" Sites

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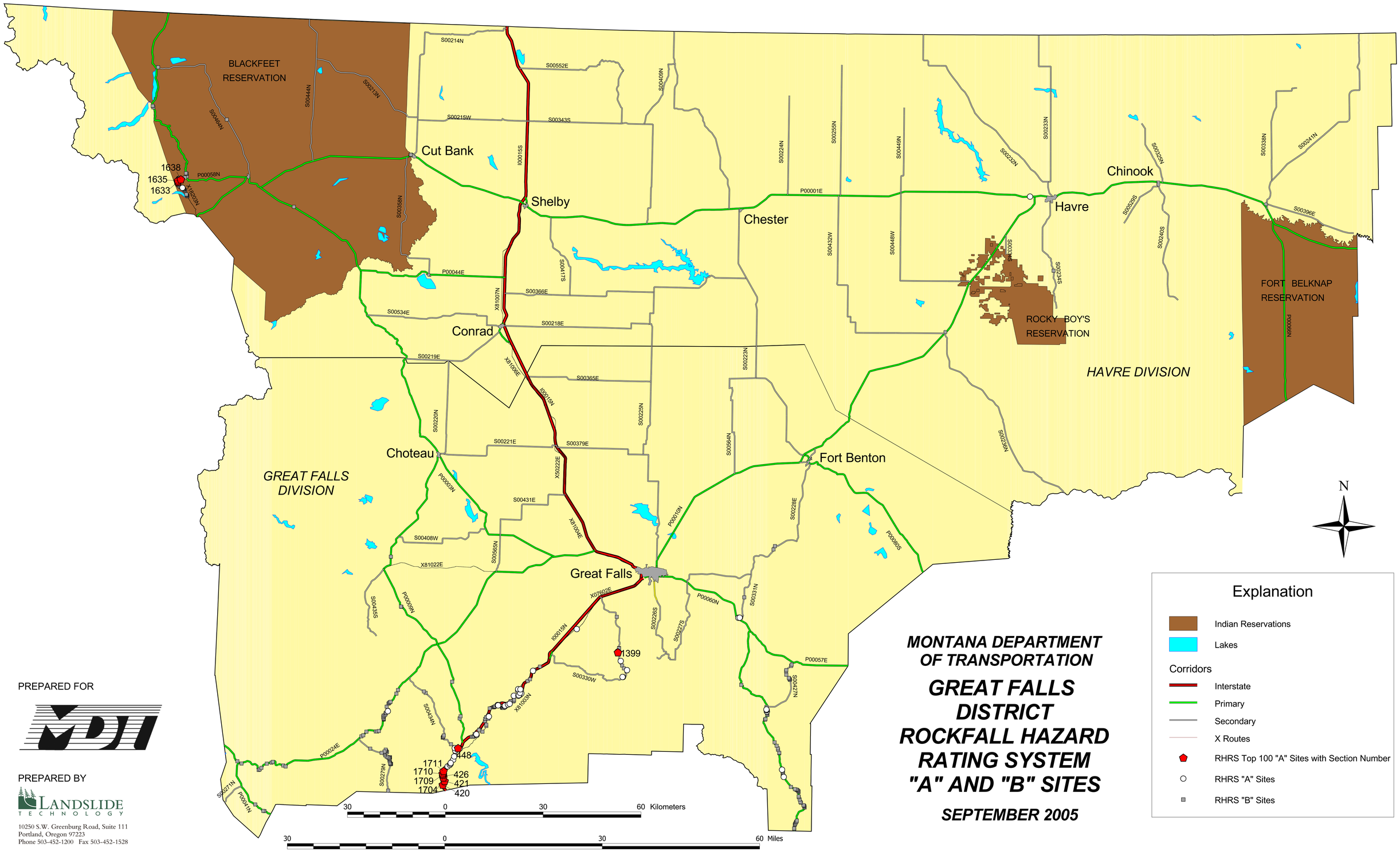

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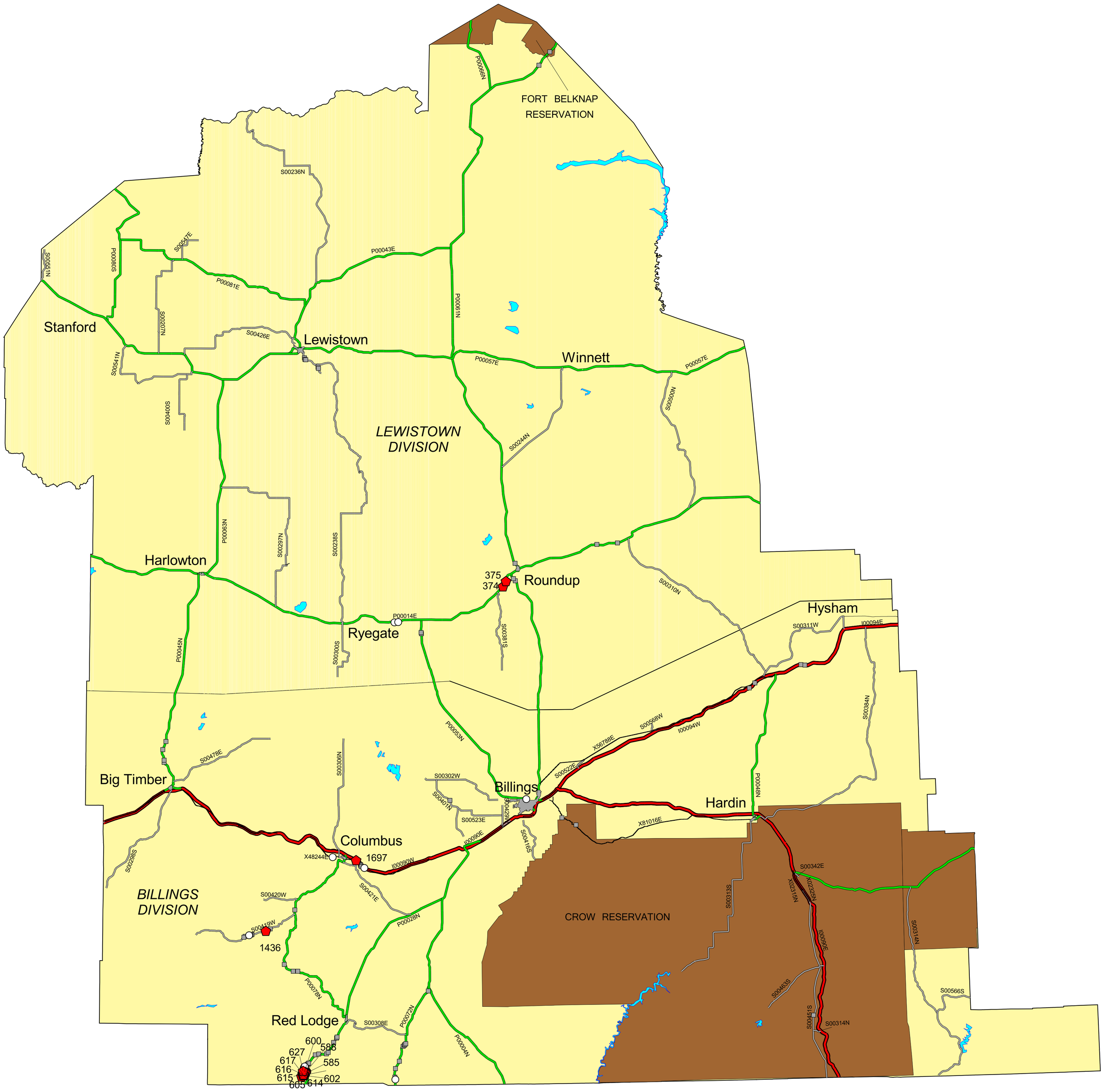
MONTANA DEPARTMENT OF TRANSPORTATION

GREAT FALLS DISTRICT ROCKFALL HAZARD RATING SYSTEM "A" AND "B" SITES

SEPTEMBER 2005



MONTANA DEPARTMENT OF TRANSPORTATION

BILLINGS DISTRICT
ROCKFALL HAZARD RATING SYSTEM "A" AND "B" SITES

SEPTEMBER 2005

30 0 30 60 Miles

30 0 30 60 90 Kilometers

Explanation

- Indian Reservations
- Lakes

Corridors

- Interstate
- Primary
- Secondary
- X Routes
- RHRS Top 100 "A" Sites with Section Number
- RHRS "A" Sites
- RHRS "B" Sites

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N

N

Explanation

- Indian Reservations
- Lakes

Corridors

- Interstate
- Primary
- Secondary
- X Routes
- RHRS Top 100 "A" Sites with Section Number
- RHRS "A" Sites
- RHRS "B" Sites

30 0 30 60 Miles

30 0 30 60 Kilometers

MONTANA DEPARTMENT OF TRANSPORTATION

GLENDIVE DISTRICT
ROCKFALL HAZARD RATING SYSTEM "A" AND "B" SITES

SEPTEMBER 2005

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