PREFACE

The Montana Department of Transportation (MDT) Road Design Manual (RDM) has been developed to provide uniform design practices for MDT and consultant personnel preparing contract plans, specifications and estimates for MDT projects. The design team should attempt to meet all criteria presented in the RDM. However, the RDM should not be considered a “standard” which must be met regardless of impacts.

The RDM presents most of the information typically required in the design of a roadway project; however, it is impossible to address every situation which the design team will encounter. Therefore, the design team must exercise sound engineering judgment on individual projects and, frequently, they must be innovative in their approach to roadway design. This may require, for example, additional research into the highway literature.

The RDM was developed by the MDT Road Design Section with assistance from the transportation engineering consulting firm of Kittelson & Associates, Inc. The RDM Review Committee consisted of:

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The RDM Review Committee would like to thank the following contributors for their technical assistance in developing the manual:

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Dave Hedstrom and Annette Compton – MDT Hydraulics
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REVISION PROCESS

All revisions to the MDT Road Design Manual (RDM) will be submitted and reviewed according to the following process:

Revision and Review

1. Submit all requests for clarifications, errors, omissions, questions and proposed revisions to the Road Design Manual Committee using the Road Design Manual Comment Form.

2. The Road Design Manual Committee will review proposed changes during scheduled meetings.

3. The Road Design Manual Committee (see below) will coordinate with the appropriate Bureaus and District personnel to determine recommended revisions to the RDM. Final recommendations will be submitted and presented to the Highways Engineer for approval consideration.

4. Proposed revisions that violate MDT Policy cannot be implemented unless the affected Policy has been revised, replaced or rescinded. Policy changes require approval from the appropriate Division Administrators. The Road Design Manual Committee will meet with the Preconstruction Engineer and the appropriate Division Administrators to present and discuss RDM recommended revisions that would require a change of Policy prior to approval.

5. The Highways Engineer will issue a design memo describing each revision that has been approved. The electronic RDM errata/revision file will identify the RDM content affected by the revision and the supporting design memo.

6. All errata and approved revisions will be incorporated into the RDM for republishing every four years, at which time the replaced RDM, design memos, and errata/revisions file will be archived.

Road Design Manual Committee

The Road Design Manual Committee will consist of four to five members. The Road Design Engineer and the Highways Design Engineer will remain Committee core members. Two District and/or Helena Engineering Division personnel will be recruited to participate on the Committee for two year terms. The two year terms are to be staggered in a manner so that only one member is replaced in any given year. The Committee may invite a fifth member to participate on a minimum annual basis. The four members will make this decision based on agenda topics.

Review Committee responsibilities include:

1. Meeting on an annual basis, or as often as necessary, to review the proposed RDM changes.
2. Adequately reviewing and researching the proposed RDM changes.
3. Providing recommendations to approve or disapprove requested updates for the RDM,
4. Tracking all revisions to the RDM in chronological order
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