

ERRATA for

Nebraska Department of Roads – Roadway Design Manual

June 2016

The Roadway Design Manual (*RDM*) was last updated in 2006. In the intervening years some design guidance has become obsolete, new/updated guidance has become available, offices of responsibility have changed, design procedures have been streamlined, etc. The NDOR is in the process of updating the *RDM* but, in the interim, the obsolete/incorrect guidance is being addressed through this document and a re-issued *RDM*. Page numbers cited in this document are referenced to the June 2016 Errata RDM. Deleted text will be shown in the June 2016 Errata RDM in green with a strike through (~~errata~~) and new/corrected text will be in red (**correct**). The following chapters have already been addressed:

- Contents (updated in June 2016)
- List of Exhibits (updated in June 2016)
- Chapter Three: Roadway Alignment (updated on June 17, 2011)
- Chapter Four: Intersections, Driveways and Channelization (updated on April 19, 2012)
- Chapter Six: The Typical Roadway Cross-Section (updated on February 18, 2016)
- Chapter Eight: Surfacing (updated on December 15, 2015)
- Chapter Nine: Guardrail and Roadside Barriers (updated on October 16, 2012)
- Chapter Sixteen: Pedestrian and Bicycle Facilities (added on February 8, 2016)
- Chapter Seventeen: Resurfacing, Restoration and Rehabilitation (3R) Projects (added on March 26, 2014)

The Index was updated in June 2016.

Page	Existing Text	Corrected Text
Chapter Thirteen		
13-1	Section 1: INTRODUCTION AND GENERAL CONSIDERATIONS - “The Materials and Research Division, the Planning and Project Development Division and the Project Scheduling and Program Management Section are responsible for the planning and project development processes and for liaison with other agencies and organizations that are involved in a project.”	“The Materials and Research Division, the Planning and Project Development Division and the Project Scheduling Section of the Program Management Division are responsible for the planning and project development processes and for liaison with other agencies and organizations that are involved in a project.”

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Chapter Thirteen

13-1

Section 2: PLANNING AND SCHEDULING –

- **“The Project Scheduling and Program Management Section** plans and programs highway improvements and then manages the Project Scheduling System (PSS), which programs, schedules and monitors projects through preconstruction stages.
- **The Project Scheduling and Program Management Section** develops One Year Programs and Five Year and Beyond Programs.”

- **“The Project Scheduling Section of the Program Management Division** plans and programs highway improvements and then manages Clarity, which programs, schedules and monitors projects through preconstruction stages.
- **The Project Scheduling Section of the Program Management Division** develops One Year Programs and Five Year and Beyond Programs.”

13-2

Section 2: PLANNING AND SCHEDULING –

“The Needs Study Segment Evaluation (See Chapter One: Design Standards, Section 3.A) is an annual review of the condition of the existing roadways throughout the state conducted by the **Materials and Research Division Classification, Needs, and Pavement Management Unit**. The results of the review are summarized in the State Highway Plan and Highway Need Report and the State Highway Inventory and Priorities Report. Transportation plans, traffic forecast maps, functional classification maps, priority commercial maps, etc. are products of the planning process.

Remove this text.

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13-2	<p>Section 3.A: <u>Engineering Review</u> – “From the engineering review, the Project Scheduling and Program Management Section prepares a DR Form 333, “Initial Project Data”, containing project data, a brief description of the proposed work and a recommendation as to the environmental classification of the proposed project, (See Section 4).”</p>	<p>“From the engineering review, the Scoping and Utilities Section of the P&PD prepares a Scoping Document, containing project data, a brief description of the proposed work and a recommendation as to the environmental classification of the proposed project, (See Section 4).”</p>
13-3	<p>Section 3.B: <u>Location Studies</u> – “Public information meetings and a location public hearing are usually part of the study (See Chapter Two: <u>Roadway Design Process</u>, Section 12).”</p>	<p>“Public information meetings and a location public hearing are usually part of the study.”</p>
13-4	<p>Section 4.A.1: <u>Environmental Classification</u> – The paragraph beginning “Design provides functional design plans ...”</p>	<p>Remove this text and <u>EXHIBIT 13.1</u>. This information is void. Refer to EXHIBIT C of the <u>Design Process Outline</u>.</p>
13-6	<p>Section 4.B.2: <u>Wetlands Procedures</u> – “2. The Environmental Permits Unit drafts the wetland delineation on CADD and sends the CADD file and <u>Waterway Permit Data Sheet</u> to the Roadway designer (<u>EXHIBIT 13.2</u>). This permit data sheet covers waterway permit information, historic bridges and other environmental issues.”</p>	<p>“2. The Environmental Permits Unit drafts the wetland delineation on CADD and sends the CADD file and <u>Waterway Permit Data Sheet</u> to the Roadway designer (<u>EXHIBIT 13.1</u>). This permit data sheet covers waterway permit information, historic bridges and other environmental issues.”</p>

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13-6	<p>Section 4.B.2: Wetlands Procedures – “3. The designer will use the 2-W sheets and his/her cross-sections to calculate the areas in acres (hectares) of impacted wetland for each type of wetland as delineated in the 2-W sheets (See DR Form 290, <u>EXHIBIT 13.2</u>).”</p>	<p>“3. The designer will use the 2-W sheets and his/her cross-sections to calculate the areas in acres (hectares) of impacted wetland for each type of wetland as delineated in the 2-W sheets (See DR Form 290, <u>EXHIBIT 13.1</u>).”</p>
13-7	<p>Section 4.B.2: Wetlands Procedures – “11. The Environmental Permits Unit then develops and sends to the designer an environmental summary sheet (<u>EXHIBIT 13.3</u>) that includes threatened and endangered species, specifications, special provisions, conditions, copies of the applicable permits and instructions on additional plans needed and aerials to be included in the final plans. The Environmental Permits Unit will also send this package to other concerned parties.”</p>	<p>“11. The Environmental Permits Unit then develops and sends to the designer an environmental summary sheet (<u>EXHIBIT 13.2</u>) that includes threatened and endangered species, specifications, special provisions, conditions, copies of the applicable permits and instructions on additional plans needed and aerials to be included in the final plans. The Environmental Permits Unit will also send this package to other concerned parties.”</p>
13-8 thru 13-11	<p>Exhibit 13.2 Waterway Permit Data Sheet</p>	<p>Exhibit 13.1 Waterway Permit Data Sheet</p>
13-12 & 13-13	<p>Exhibit 13.3 Sample Environmental Summary Sheet</p>	<p>Exhibit 13.2 Sample Environmental Summary Sheet</p>
13-18	<p>Section 4.B.6.a: Bridge Channel Work – “The pay limits provided for channel work as a Bridge Division pay item will be from ROW to ROW (or as specified on the Bridge Data Sheet) and from centerline of abutment to centerline of abutment, (See <u>EXHIBIT 13.4</u>).”</p>	<p>“The pay limits provided for channel work as a Bridge Division pay item will be from ROW to ROW (or as specified on the Bridge Data Sheet) and from centerline of abutment to centerline of abutment, (See <u>EXHIBIT 13.3</u>).”</p>
13-18	<p>Exhibit 13.4 Pay Limits for Bridge Channel Work</p>	<p>Exhibit 13.3 Pay Limits for Bridge Channel Work</p>

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13-24	<p>Section 5.A: <u>Agreements</u> – “Prior to the public hearing, covenant relinquishment agreements are prepared by the Materials and Research Division (See Chapter Two: <u>Roadway Design Process</u>, Section 10).”</p>	<p>“Prior to the public hearing, covenant relinquishment agreements are prepared by the Materials and Research Division (See the <i>DPO</i> (Ref. 13.2), Activity 5400, Clarity Task Code 5434).”</p>
13-25	<p>Section 5.E: <u>Public Participation and Input</u> – “(See Chapter Two: <u>Roadway Design Process</u>, Section 12, and the <u>Design Process Outline</u>, Reference 13.2, EXHIBIT ‘C’).”</p>	<p>“(See the <u>Design Process Outline</u>, Reference 13.2, EXHIBIT ‘C’).”</p>
13-26	<p>Section 5.G: <u>Railroads</u> – “See Chapter Two: <u>Roadway Design Process</u>, Section 22.B, and Chapter Ten: <u>Miscellaneous Design Issues</u>, Section 1 for further information.”</p>	<p>“See Chapter Ten: <u>Miscellaneous Design Issues</u>, Section 1 and Chapter Twelve: <u>Cost Estimating & Funding</u>, Section 1.A.5 for further information.”</p>
13-28	<p>Section 6.C: <u>City/County Utility Cost Reimbursement</u> - “Designers may consult this listing to assist in determining utility locations (See Chapter Two: <u>Roadway Design Process</u>, Section 5.D).”</p>	<p>“Designers may consult this listing to assist in determining utility locations. To access this listing in the CICS1 program:</p> <ol style="list-style-type: none"> 1. Click on the “Mainframe Sessions” icon on your computer desktop. 2. Enter CICS1 by entering CI and your DR# and password. 3. Select 2 – “Dept. of Roads”. 4. Select 5 – “IHI Integrated Highway Inventory System”. 5. Select 22 – “Use and Occupancy Permit”. 6. Select 2 – “Query”. 7. Select 3 – “Use and Occupancy Permit by Hwy/Cnty/Type/Status Query”. 8. Enter the highway # and a reference post range (county, type and status may be left blank).”

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13-34	Section 7: REFERENCES	Updated Reference 13.15 from 2001 to 2011, Reference 13.24 from Current Edition to 2011, and Reference 13.25 from Current Edition to 2007