

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 Eleven		
11-1	Introduction, second paragraph – “Refer to Appendix G, CADD Coordination Policy” and the <u>Design Process Outline</u> (DPO), (Reference 11.1), for information related to project plan preparation.”	“Refer to the current CAD Policy (web site) and the <u>Design Process Outline</u> (DPO), (Reference 11.1), for information related to project plan preparation.”

Page	Existing Text	Corrected Text
Chapter Eleven		
11-1	<p>Section 1: DESIGN PLANS – “The roadway designer should furnish the design technician with all of the information required for the production of plans at each stage of the project, (See the <u>Design Process Outline</u>, Reference 11.1, and Chapter Two: <u>Roadway Design Process</u>, Sections 7.A, 14.A and 22 for the plan information requirements).”</p>	<p>“The roadway designer should furnish the design technician with all of the information required for the production of plans at each stage of the project, (See the <u>Design Process Outline</u>, Reference 11.1 for the plan information requirements).”</p>
11-1	<p>Section 1: DESIGN PLANS –</p> <ul style="list-style-type: none"> • Limits of Construction Plans (used to design the project right-of-way). 	<p>Remove this bullet point.</p>
11-1	<p>Section 1: DESIGN PLANS –</p> <ul style="list-style-type: none"> • Final Design Plans (PS&E turn-in and contract plans). 	<ul style="list-style-type: none"> • Final Design Plans (used to design the project right-of-way and as PS&E turn-in and contract plans).
11-2	<p>Section 1.A: <u>Base Plans</u> – “At the preliminary project setup meeting the design technician will be provided with all available survey information, including the horizontal alignment information and/or the as-built microfilm plans, (See Appendix G, “CADD Coordination Policy”).”</p>	<p>“At the preliminary project setup meeting the design technician will be provided with all available survey information, including the horizontal alignment information and/or the as-built microfilm plans.”</p>

Page	Existing Text	Corrected Text
Chapter Eleven		
11-2	<p>Section 1.B: <u>Preliminary Design Plans</u> – “Preliminary roadway design plans are used to produce cost update 1 and on the plan-in-hand field inspection, (See Chapter Two: <u>Design Process</u>, Sections 6 & 7). Meeting “A” will be held at this time to determine the requirements for the project plans (See Appendix “G”, “CADD Coordination Policy”). The design technician will be provided with the necessary information, as outlined in the <u>Design Process Outline</u>, Activity 5300, (Reference 11.1), and Appendix G, “CADD Coordination Policy”.”</p>	<p>“Preliminary roadway design plans are used to produce cost update 1 and on the plan-in-hand field inspection, (See the DPO (Ref. 11.1), Activity 5300, Clarity Task Codes 5368 and 5380). Meeting “A” will be held at this time to determine the requirements for the project plans. The design technician will be provided with the necessary information, as outlined in the <u>Design Process Outline</u>, Activity 5300, (Reference 11.1).”</p>
11-2	<p>Section 1.C: <u>Functional Design Plans</u> – “Functional design plans are required for cost update 2 and for the design public hearing(s), (See Chapter Two: <u>Design Process</u>, Sections 9, 11 and 12 and <u>EXHIBIT ‘L’</u> of the <u>Design Process Outline</u>, Reference 11.1).”</p>	<p>“Functional design plans are required for cost update 2 and for the design public hearing(s), (See the DPO (Ref. 11.1), Activity 5400, Clarity Task Codes 5428, 5446, 5434 and <u>EXHIBIT ‘L’</u>).”</p>
11-2	<p>Section 1.D: <u>Limits of Construction Plans</u></p>	<p>Rename this section <u>Final Design Plans</u></p>

Page	Existing Text	Corrected Text
Chapter Eleven		
11-2 & 11-3	<p>Previous Section 1.D: <u>Limits of Construction Plans</u> – “Right-of-Way Design uses the limits of construction (L.O.C.) plans to design the right-of-way and easements required to build the project, (See Chapter Two: <u>Design Process</u>, Section 14.A). The roadway designer will incorporate the decisions made at the design public hearing into the design and will provide the design technician with the information necessary for the production of the limits of construction plans, as described in the <u>Design Process Outline</u>, Activity 5500, (Reference 11.1). The designer will use the L.O.C. plans to produce cost update 3 (See Chapter Two: <u>Roadway Design Process</u>, Section 15).”</p>	<p>“Right-of-Way Design uses the final design plans to design the right-of-way and easements required to build the project, (See the DPO (Ref. 11.1), Activity 5500, Clarity Task Code 5576). The roadway designer will incorporate the decisions made at the design public hearing into the design and will provide the design technician with the information necessary for the production of the final design plans, as described in the <u>Design Process Outline</u>, Activity 5500, Clarity Task Code 5508 (Reference 11.1). The designer will use the final design plans to produce cost update 3 (See the DPO (Ref. 11.1), Activity 5500, Clarity Task Code 5584).”</p>
11-3	<p>Section 1.E: <u>Final Design Plans</u></p>	<p>Remove this title and incorporate the text into sub-section 1.D.</p>
11-3	<p>Previous Section 1.E: <u>Final Design Plans</u> – “The designer will create the final plans package for the Plans, Specifications and Estimates Unit (PS&E) in the Construction Division using these plans (See Chapter Two: <u>Roadway Design Process</u>, Section 22). The roadway designer should ensure that the appearance of the plans is uniform and consistent, containing all of the information required for the construction of the project, (See Chapter Two: <u>Roadway Design Process</u>, Section 22).”</p>	<p>“The designer will create the final plans package for the Plans, Specifications and Estimates Unit (PS&E) in the Construction Division using these plans (See the DPO (Ref. 11.1, Activity 5700, Clarity Task Code 5790). The roadway designer should ensure that the appearance of the plans is uniform and consistent, containing all of the information required for the construction of the project.”</p>

Page	Existing Text	Corrected Text
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11-3	<p>Previous Section 1.E: <u>Final Design Plans</u> – “The roadway designer shall contact the Roadway Design Plans Manager to unlock the CADD files before making the requested plan changes from the PS&E Section and prior to making plan revisions, (See Section 7 and Chapter Two: <u>Roadway Design Process</u>, Section 22.E, for further information).”</p>	<p>“The roadway designer shall contact the Roadway Design Plans Manager to unlock the CADD files before making the requested plan changes from the PS&E Section and prior to making plan revisions, (See Section 7 for further information).”</p>
11-3	<p>Previous Section 1.E: <u>Final Design Plans</u> – “Between the time that a project has been advertised for letting and it is let to contract, all requests to the Design Division for plans and/or electronic files shall be forwarded to the Highway Construction Scheduling Manager in the Construction Division (See Chapter Two: <u>Roadway Design Process</u>, Section 22.E).”</p>	<p>“Between the time that a project has been advertised for letting and it is let to contract, all requests to the Design Division for plans and/or electronic files shall be forwarded to the Highway Construction Scheduling Manager in the Construction Division.”</p>
11-5	<p>Section 3: STANDARD FORMATS – “Information regarding the levels, line styles, and line weights to be used in plan preparation can be found in Appendix G, “CADD Coordination Policy”.</p>	<p>“Information regarding the levels, line styles, and line weights to be used in plan preparation can be found in the current CAD Policy.”</p>
11-7	<p>Section 3.D: <u>Horizontal Alignment Data</u> – “For further information see Chapter Three: <u>Roadway Alignment</u>, Section 2 and Chapter Five: <u>Interchanges and Grade Separations</u>, Section ___.”</p>	<p>“For further information see Chapter Three: <u>Roadway Alignment</u>, Section 2.”</p>
11-9	<p>Section 4: PLAN SHEET ORGANIZATION – “Examples of these sheets may be found on the NDOR web site at _____.”</p>	<p>Remove this text.</p>

Page	Existing Text	Corrected Text
Chapter Eleven		
11-11	<p>Section 4.A.1: Preliminary Title Sheet –</p> <ul style="list-style-type: none"> • FHWA Full Oversight Stamp (if required for project). 	<ul style="list-style-type: none"> • FHWA Full Oversight Stamp (if Project of Division Interest).
11-12	<p>Section 4.C: <u>Summary of Quantities Sheets (2-S)</u> –</p> <ul style="list-style-type: none"> • Sketches of surfaced driveways and intersections, (including quantities for each). • Detour routes (but not temporary roads). 	Remove these bullet point.
11-13	<p>Section 4.G: <u>General Information Sheets (2-N)</u></p>	<p>Add the fifth and sixth bullet points:</p> <ul style="list-style-type: none"> • Sketches of surfaced driveways and intersections, (including quantities for each). • Detour routes (but not temporary roads).
11-17	<p>Section 7: REVISIONS TO PROJECT – “For additional information, see Chapter Two: <u>Roadway Design Process</u>, Section 23.”</p>	Remove this text