

ERRATA
Nebraska Department of Transportation
Roadway Design Manual

Chapter One: Roadway Design Standards

- ① January 2023
- ② October 2023

The last update to the Roadway Design Manual (*RDM*) was in May 2022. In the intervening time some design guidance has become obsolete, new/updated guidance has become available, offices of responsibility have changed, design procedures have been streamlined, etc. The NDOT is continually 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 January 2023 Errata RDM. Deleted text in the Errata RDM (<http://dot.nebraska.gov/business-center/design-consultant/rd-manuals/>) is in green with a strike through (~~errata~~) and new/corrected text is in red (correct). Additions to previously added text is in blue (added).

THE FOLLOWING ITEMS PERTAIN TO THE ENTIRE MANUAL:

January 2023 and all subsequent changes – Sections and **EXHIBITS** have been re-numbered as required by the errata. Chapter and **EXHIBIT** citations, Clarity task numbers, references, and internet links are updated to the latest edition of the *RDM* as are the Contents, List of Exhibits, and the Index

① January 2023

- Design Process Outline (*DPO*) task order/ terminology updated to the July 2022 edition.
- The **Location Studies Section** in the **Planning and Project Development Division (PDD)** is now the **Project Scoping Section**
- The **PDD Environmental Documents Unit (EDU)** is now the **Environmental Project Management Unit (EPMU)**
- The **PDD Noise and Air Section** is now **Noise, Air & Hazmat** in the **PDD Roadside Development and Compliance Unit (RDC)**
- The **PDD RDC Manager** is now the **RDC Supervisor**
- The **PDD Highway Environmental Biologist** is now the **404/ Wetlands Biologist** of the **Technical Resources Unit (TRU)** in **PDD**

② October 2023

- **Intelligent Transportation Systems (ITS)** transferred from the **Operations Division to Roadway Design** and combined with the **Lighting Unit (02-27-2023)**
- “Proposed Guidelines for Pedestrian Facilities in the Public Right-of-Way (with 2013 Supplement)” replaced by “Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way” (August 2023)

| Page | Existing Text | Corrected Text |
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| Chapter One | | |
| ① ERRATA JANUARY 2023 | | |
| ① 1-12 | <p>Section 5: CAPITAL IMPROVEMENT VS SYSTEM PRESERVATION, Second paragraph, first sentence -</p> <p>2. System preservation projects also include projects prepared for construction by the Materials and Research Division (M&R)</p> | Remove this sentence, Maintenance Projects are now in Roadway Design |
| ① 1-15 | Section 6.C.2: Preventive Maintenance | First paragraph, add new fifth sentence – Mailbox turnouts will not generally be surfaced on a Preventative Maintenance project. |
| ① 1-24 | <p><u>EXHIBIT 13: NEW AND RECONSTRUCTED RURAL</u>, Column 3 - Lateral Offset to Obstruction, Row 4 – Major Arterial –</p> <p>ADT ≥ 2,000 VPD: 8 feet ADT 400 – 1,999 VPD: 6 feet ADT < 400 VPD: 4 feet</p> | ADT ≥ 1,000 VPD: 8 feet ADT 400 – 999 VPD: 6 feet ADT < 400 VPD: 4 feet |
| ① 1-26 | <p>Section 8.C: <u>NDOT Desirable Design Guidance</u></p> | New fifth bullet point <ul style="list-style-type: none"> • Design Vehicle – The use of a design vehicle smaller than the minimum listed in <u>EXHIBIT 4.9</u> requires Unit Head approval (See Chapter Four: <u>Intersections, Driveways and Channelization</u>, <u>EXHIBIT 4.9</u>, of this manual). |

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| Chapter One | | |
| ① 1-26 | Section 8.C: <u>NDOT Desirable Design Guidance</u> | <p>New sixth bullet point</p> <ul style="list-style-type: none"> • Intersection Turning Radius – The minimum allowable distance between the edge of the full depth pavement and the outside edge of the tires of the turning vehicle is 2 feet; the desirable distance is 3 feet. (See Chapter Four: <u>Intersections, Driveways and Channelization</u>, Section 1.C.6, of this manual) |
| ① 1-27 | <p>Section 8.C: <u>NDOT Desirable Design Guidance</u> - Fifth bullet point on page -</p> <ul style="list-style-type: none"> • Intersection Sight Distance: Intersections on New and Reconstructed projects should be designed for intersection sight distance for left-turns from a major roadway based on a passenger car (Case F from Section 9.5.3, “Intersection Control” in Chapter 9 of the <i>Green Book</i>): ADE approval is required if this condition cannot be met. (See Chapter Four: <u>Intersections, Driveways and Channelization</u>, Section 1.C.2, of this manual). | <ul style="list-style-type: none"> • Intersection Sight Distance: Intersections on New and Reconstructed projects should be designed for intersection sight distance for left-turns from a minor roadway based on a passenger car (Section 9.5.3.2.1, “Case B1 – Left Turn from the Minor Road” in Chapter 9 of the <i>Green Book</i>): ADE approval is required if this condition cannot be met. (See Chapter Four: <u>Intersections, Driveways and Channelization</u>, Section 1.C.2, of this manual). |
| ① 1-29 | <p>Section 9.A.2: Instructions – Projects not on the NHS, first sentence – The designer will use the design guidance from the <i>MDS</i> (Ref. 13) as the minimum condition, unless the project is classified as a Maintenance project.</p> | <p>The designer will use the design guidance from the <i>MDS</i> (Ref. 13) as the minimum condition.</p> |

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| ① 1-30 & 1-31 | EXHIBIT 1.5: Example NDOT Form 76 | <p>1-30: Added new note – (4) For additional information, see the <u>Roadway Design Manual</u>, Chapter One: <u>Roadway Design Standards</u>, Section 2.A.1</p> <p>1-31: - Renumber existing note (4) to (5)</p> |
| ② ERRATA OCTOBER 2023 | | |
| ② 1-3 | | Added Section 1.B.4: 3R Standards for Expressways with Access Only at Interchanges |
| ② 1-14 | Section 6.B.1: Bridge Rehabilitation (3R) Work | New first paragraph – The Bridge Division (Bridge) supplies the bridge recommendation, which provides the scope of work on the structures for a project. |
| ② 1-14 | Section 6.B.1: Bridge Rehabilitation (3R) Work – Second paragraph – 3R Bridge rehabilitation includes, but is not limited to: | In general, the scope of work for bridge rehabilitation projects (3R) may include, but is not limited to: |
| ② 1-14 | Section 6.B.1: Bridge Rehabilitation (3R) Work - Second bullet point – <ul style="list-style-type: none"> • Replacement and/or strengthening (rehabilitation) of the superstructure | <ul style="list-style-type: none"> • Replacement and/or strengthening (Rehabilitation) of the superstructure <ul style="list-style-type: none"> ○ When bridge decks are replaced or rehabilitated with Federal financial participation, pedestrians or bicyclists generally must be accommodated (See 23 U.S.C. 217(e), web site). Existing pedestrian/bicyclist access should be maintained. |

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| ② 1-14 | <p>Section 6.B.1: Bridge Rehabilitation (3R) Work – Third paragraph – Bridge rehabilitation work is eligible for federal-aid funding. For additional information see the FHWA publication <u>Bridge Preservation Guide</u> (Ref. 1.9) (web site).</p> | <p>Bridge rehabilitation work is eligible for federal-aid funding. For additional information see the Federal Highway Administration (FHWA) publication <u>Bridge Preservation Guide</u> (Ref. 1.9) (web site) and Chapter Seventeen: <u>Resurfacing, Restoration and Rehabilitation (3R) Projects</u>, Section 10.B, of this manual.</p> |
| ② 1-20 | <p>Section 7.F: Contest (Rural/Municipal)</p> | <p>New final sentence – AASHTO design guidance for these contexts may be found in Appendix H of this manual.</p> |
| ② 1-29 | <p>Section 9.A.2: Instructions</p> | <p>Third paragraph on page, new third bullet point</p> <ul style="list-style-type: none"> • A Policy on Design Interstate Standards – Interstate System = (I-State) |
| ② 1-29 | <p>Section 9.A.2: Instructions</p> | <p>New fourth paragraph on page – Expressway 3R Standards are currently found in Chapter Seventeen: <u>Resurfacing, Restoration and Rehabilitation (3R) Projects</u>, Section 1.E. The designer will use the (MDS) abbreviation on the NDOT Form 76.</p> |
| ② 1-29 | <p>Section 9.A.2: Instructions, Fifth paragraph on page, bullet point -</p> <ul style="list-style-type: none"> • <u>A Policy on Design Standards – Interstate System</u> = (I-State, 2005) | <ul style="list-style-type: none"> • Interstate = (I-State, [year]) |