



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DESIGN DIVISION
PRODUCTION SUPPORT
SUITE 1200, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 540-9621**

WILL REID
COMMISSIONER

BILL LEE
GOVERNOR

INSTRUCTIONAL BULLETIN NO. 25-10

**Regarding – Roadway Design Guidelines for PDN
– R.O.W. Tract Exhibit Sheet Border
– R.O.W. Revision & Process Flowcharts, and R.O.W. Exhibit File
Structure & Walkthrough**

Effective January 1, 2026, the Roadway Design Guidelines – PDN, Chapters 1 through 10 have been revised and released for use. In addition, the following chapters, email submittal templates, and design reference documents have been updated and released. The right-of-way tract exhibit DGN sheet border has also been updated, and new materials—including the Right-of-Way Process and Right-of-Way Revision Flowcharts, as well as the Right-of-Way Exhibit File Structure and Walkthrough—have been developed and released for use.

- Roadway Design Guidelines General Updates (Introduction page):
 - Reference terminology has been updated throughout Chapters 1–10 to reflect organizational changes. References to the Project Management Division have been renamed to the Program Delivery Division for items pertaining to the Project Manager, and references to the Engineering Concepts Section of the Project Management Division have been renamed to the Concept Design Section of the Program Delivery Division for items pertaining to the Concept Report.
 - Terminology has been updated in Chapters 9–10 as follows: in the first bullet point, Designer has been changed to Lead / Technical Lead, and Preconstruction Roadway Designer to Preconstruction Discipline Designer; in the second bullet point, Design Manager has been changed to Project Manager.
- Chapter 1- Section 1-105.04: Right-of-Way Revision Submittal Package
 - Added reference sentence “For more information about the Right-of-Way revision and process, see the R.O.W. Revision & Process Flowcharts and the R.O.W. Exhibit File Structure & Walkthrough, available on the Roadway Design Guidelines – PDN webpage under the Production Support Section of the Design Division website” in the first paragraph.
 - Updated Roadway Design Checklist reference from R.O.W. to Functional Plans in the second paragraph.

- Chapter 1- Section 1-105.08: PS&E Field Review Submittal Package
 - Updated Table 1-9 & Figure 1-9 by removing signed PS&E checklist as it isn't required at this stage of the project.
- Chapter 1- Section 1-105.10: Final PS&E Documents "Complete Package"
 - Added a note with an asterisk in reference to the utility plans colorization above Table 1-12 (Final PS&E Plans Submittal Package List).
 - Added an asterisk to the utility plans description column in Table 1-12 in reference to the utility plans colorization note.
 - Added an asterisk to the utility plans description column in Table 1-12A (Flattened Plan Set List) in reference to the utility plans colorization note.
- Chapter 1- Section 1-105.11: Letting Revision Submittal Package
 - Added an asterisk to the utility plans description column in Table 1-13D (Letting Plans Revision List) in reference to the utility plans colorization note in section 1-105.10 above table 1-12.
 - Added an asterisk to the utility plans description column in Table 1-13E (Letting Revision Flattened Plan Set List) in reference to the utility plans colorization note in section 1-105.10 above table 1-12.
- Chapter 1- Section 1-105.12: PS&E Revision Submittal Package
 - Added an asterisk to the utility plans description column in Table 1-14B (PS&E Plans Revision Submittal Package List) in reference to the utility plans colorization note in section 1-105.10 above table 1-12.
 - Added an asterisk to the utility plans description column in Table 1-14C (PS&E Revision Flattened Plan Set List) in reference to the utility plans colorization note in section 1-105.10 above table 1-12.
- Chapter 1- Section 1-202.06: Plan Phase Stamps
 - Updated phase stamp name to Line and Grade from Line and Grade Package in Figure 1-25.
- Chapter 1- Section 1-203.03: Project, Designer, and Manager Identification
 - Updated Figure 1-32B for Consultant Designed Project to show the Design Firm instead of Design By on the 2nd line.
- Chapter 1- Section 1-203.06: Project Length
 - Revised the sentence from "The project length is the sum of the lengths for Roadway, Bridge, and Box Bridge and does not include the R.O.W. length" to "The project length is the sum of the lengths for Roadway, Bridge, and Box Bridge and does not include the R.O.W. length, but shall not be less than the length determined by the difference between the Construction Project Limits stations."
- Chapter 1- Section 1-503.02: Assembling the Value Engineering Analysis Team

- Updated reference terminology from Engineering Concepts to Concept Design in the first paragraph.
- Chapter 2- Section 2-101.00: Horizontal Design
 - Revised reference standard roadway drawing RD11-TS series to the RD-CTS series – Contextual Typical Sections and Design Decision, and RD18-TS series – Roadway Typical Sections and Design Criteria. Also, renamed the reference technical report to concept report.
- Chapter 2- Section 2-101.02: Travel, Through, and Turn Lane Widths
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to the RD-CTS Series – Contextual Typical Sections and Design Decision and reference terminologies of Strategic Transportation Investment Division (STID) to the Concept Design Section of the Program Delivery, and from technical report to concept report.
- Chapter 2- Section 2-101.03: Shoulder Width
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to the RD-CTS Series – Contextual Typical Sections and Design Decision.
- Chapter 2- Section 2-101.04: Cross Slopes
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-102.00: Vertical Design
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-102.01: Vertical Grades
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
 - Renamed the reference division from the Engineering Production Support Division to the Engineering Production Support Section of the Design Division.
- Chapter 2- Section 2-102.02: Stopping Sight Distance
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-200.01: Passing Sight Distance

- Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-300.00: Roadside Design Criteria
 - Updated reference Design Criteria Document to the Project Notebook in the 3rd paragraph.
- Chapter 2- Section 2-302.02: Barrier Warrant 2: Non-Traversable Slopes
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-401.00: Advance Guide Signs and Exit Directional Signs on Traffic Control Plans
 - Revised reference to file upload from FileNet to FileNet or ProjectWise.
- Chapter 2- Section 2-800.00: Medians
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-900.10: Retaining Wall Footnotes on PS&E Plans
 - Renamed reference final construction plans to final PS&E plans.
- Chapter 2- Section 2-1100.04: Design Criteria
 - Renamed the reference Regional Project Delivery to Regional Preconstruction pertains to Signing Designer for Design Criteria #6.
- Chapter 2- Section 2-1400.00: Road Reconfiguration
 - Updated reference standard roadway drawing from RD11-TS Series – Typical Sections and Design Criteria to RD18-TS Series – Roadway Typical Sections and Design Criteria.
- Chapter 2- Section 2-1402.00: Plans Distribution and Review Process
 - Renamed reference Engineering Division to Design Division.
- Chapter 3- Section 3-301.00: Accessibility Requirement by Project Type
 - Renamed reference Engineering Concept report to Concept report.
- Chapter 4- Section 4-200.02: Pavement Design Recommendations
 - Updated reference pavement design email address to distribution lists.
- Chapter 4- Section 4-403.05: Septic System Review and Impact Assessment
 - Updated figure 4-46 to reflect new R.O.W. tract exhibit sheet border.

- Chapter 5- Section 5-408.00: Right-of-Way Revision
 - Added reference sentence “For more information about the Right-of-Way revision and process, see the R.O.W. Revision & Process Flowcharts and the R.O.W. Exhibit File Structure & Walkthrough, available on the Roadway Design Guidelines – PDN webpage of the Engineering Production Support website” in the first paragraph.
- Chapter 7- Section 7-200.00: Special Provisions
 - Added Special Provision 607TP (Trenchless Pipe Culvert Installation)
- Chapter 8- Section 8-607.00: Pipe Culverts and Storm Sewers
 - Added the following 14 new pay items:
 - 607-03.10 (18" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-03.11 (18" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - 607-05.10 (24" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-05.11 (24" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - 607-06.10 (30" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-06.11 (30" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - 607-07.10 (36" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-07.11 (36" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - 607-08.10 (42" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-08.11 (42" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - 607-09.10 (48" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-09.11 (48" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - 607-10.10 (54" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS)
 - 607-10.11 (54" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS)
 - Removed the following 23 pay items:
 - 607-03.05 (18" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-05.05 (24" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-05.06 (24" PIPE CULVERT (JACKED-IN-PLACE))
 - 607-05.07 (24" CONCRETE PIPE CULVERT (CLASS V) JACKED-IN-PLACE)
 - 607-06.05 (30" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-06.06 (30" PIPE CULVERT (JACKED-IN-PLACE))
 - 607-06.07 (36" PIPE CULVERT (JACKED-IN-PLACE))
 - 607-06.08 (36" CONCRETE PIPE CULVERT (CLASS V) JACKED-IN-PLACE)
 - 607-07.05 (36" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-08.05 (42" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-08.06 (42" CONCRETE PIPE CULVERT (CLASS V) JACKED-IN-PLACE)
 - 607-09.05 (48" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-10.05 (54" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-11.06 (60" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-11.07 (66" CONCRETE PIPE CULVERT (CLASS IV) JACKED-IN-PLACE)
 - 607-60.11 (18" STEEL PIPE CULVERT (JACK-IN-PLACE))
 - 607-60.12 (24" STEEL PIPE CULVERT (JACK-IN-PLACE))
 - 607-60.13 (30" STEEL PIPE CULVERT (JACK-IN-PLACE))
 - 607-60.14 (42" STEEL PIPE CULVERT (JACK-IN-PLACE))

- 607-60.15 (48" STEEL PIPE CULVERT (JACK-IN-PLACE))
 - 607-60.16 (54" STEEL PIPE CULVERT (JACK-IN-PLACE))
 - 607-60.17 (60" STEEL PIPE CULVERT (JACK-IN-PLACE))
 - 607-60.18 (36" STEEL PIPE CULVERT (JACK-IN-PLACE))
- Chapter 8- Section 8-712.00: Temporary Traffic Control
 - Removed reference to Special Provision 712B (SP712B) under the comment column for item number 712-01.04 (Traffic Control Supervisor).
 - Chapter 9- Section 9-400.03: Permits, Plans & Record
 - Renamed reference Engineering Division to Design Division for note (14).
 - Renamed reference Engineering Production Support Division to Project Manager for note (15).
 - Chapter 9- Section 9-400.06: Environment
 - Renamed references from Engineering Division and assistant director to Preconstruction Manager in the second paragraph of the blue informational note.
 - Chapter 10- Section 10-100.01: Standard Roadway Drawings Title Sheet
 - Reversed back to the standard drawing (RD-TP-1) with the Design Division director's signature.
 - Chapter 10- Section 10-101.02: RD18 Roadway Typical Sections and Design Criteria
 - Revised standard drawings RD18-TS-5A & RD18-TS-8.
 - Chapter 10- Section 10-102.02: Pipe Culverts and Flume
 - Corrected revision date for standard drawing D-FLU-3.
 - Chapter 10- Section 10-106.02: Intersections
 - Corrected revision date for standard drawing RP-DHO-1.
 - Chapter 10- Section 10-108.04: Guardrail Details
 - Revised standard drawing S-GR31-1.
 - Chapter 10- Section 10-108.05: Guardrail Connections
 - Revised standard drawings S-GRC-4, S-GRC-5 & S-GRC-6.
 - Chapter 10- Section 10-204.02: Work Zones
 - Added new standard drawing T-WZ-22.
 - Updated revision date for standard drawing T-WZ-62
 - Chapter 10- Section 10-300.00: New Structures
 - Updated revision date for standard drawings STD-1-1SS, STD-2-1, STD-2-2 & STD-2-3.
 - 2nd Sheets Documents:

- Index and Standard Roadway Drawings, Standard Roadway Drawings, Standard Structure Drawings, and Standard Traffic Design Drawings (.dotx Word & .dgn MicroStation)
 - Updated to reflect revisions made to RDG Chapter 10, including matching the standard drawings and section numbering.
- General Notes (.dotx Word & .dgn MicroStation)
 - Updated Lighting note (1) section 9-175.00 to correct TDOT Specifications for Road and Bridge Construction reference year from 2015 to 2021.
 - Updated Lighting note (7) section 9-175.00 to correct reference to the LRFD Specifications from the latest Edition to the First Edition (2015).
- Environmental Notes (.dotx Word)
 - Updated to reflect updates made to RDG chapter 9, sections 9-400.03 & 9-400.06
- Items.dat
 - Updated to reflect the 14 new added pay items and 23 removed pay items as outlined for Chapter 8 - Section 8-607.00: Pipe Culverts and Storm Sewers.
- Submittal Email Templates:
 - Final PS&E Submittal (RTE to HQ Construction)
 - Updated the template by adding two lines for Maintenance No Plans Contracts and Safety No Plans Contracts, if any, including the name of the contact individual for each.
- Design Checklists:
 - Line and Grade Checklist
 - Removed the word “Package” from the header.
 - Removed the word “Plans” after Line and Grade in parentheses on the second required line of the Title Sheet pertaining to Add Phase Stamp.
 - Revised footnote example on the 4th required line under the R.O.W. Acquisition Table from Easement is needed for EPSC Measures to Easement is needed for working room and EPSC measures.
 - Functional Design Plans & Plan-in-Hand Checklists
 - Revised footnote example on the 4th required line under the R.O.W. Acquisition Table from “Easement is needed for EPSC Measures” to “Easement is needed for working room and EPSC measures.”
 - Revised required line 22nd under the 4A-10A Right-of-Way Details to include arc length/radii label (Where present and proposed R.O.W. curves and included in the R.O.W. acquisition, chord bearings/distances should also be labeled)
 - PS&E Checklist
 - Added a note with an asterisk regarding the utility plans that require to be colorized and added an asterisk next to utility plans listed for portfolio and flattened PDF plans set in reference to the note under the Final PS&E Plans.

- Special Provision Order Sheet
 - Added Special Provision 607TP (Trenchless Pipe Culvert Installation).
- R.O.W. Tract Exhibit Sheet Border
 - The DGN CADD file is available on the ORD Resources webpage under the CADD Software Section of the Design Division website.
- R.O.W. Revision & Process Flowcharts, and R.O.W. Exhibit File Structure & Walkthrough:
 - Documents are available on the Roadway Design Guidelines – PDN webpage under the Production Support Section of the Design Division website.

For any questions about the PDN process, contact TDOT Program Delivery.

For any questions about the RDG, contact TDOT Engineering Production Support at TDOT.EngineeringProductionSupport@tn.gov.

Revised Links:

[Roadway Design Guidelines-PDN and Reference Documents](#)
[2nd Sheets Documents, Forms, and Submittal Email Templates](#)
[R.O.W. Tract Exhibit Sheet Border](#)

The following Instructional Bulletins are voided with the release of this IB due to information being incorporated into the Roadway Design Guidelines - PDN.

2024: 24-01 & 24-02



Director Jennifer Lloyd, PE
Design Division

KJL: LHC: WKA: DS
October 31, 2025