



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION – PRODUCTION SUPPORT
SUITE 1200, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-0835

BUTCH ELEY
DEPUTY GOVERNOR
COMMISSIONER OF TRANSPORTATION

BILL LEE
GOVERNOR

INSTRUCTIONAL BULLETIN NO. 24-10

Regarding Roadway Design Guidelines for PDN

Effective January 2025, the Roadway Design Guidelines – PDN, Chapters 1, 2, 7, 8, 9 and 10 have been revised and released for use. The following chapters, email submittal templates, and reference documents have been released for use:

- Chapter 1 (General)
 - Section 1-105.09 FINAL ROADWAY PS&E FILENET SUBMITTAL PACKAGE
 - Updated section number from 1-402.05 to 1-402.06 when referencing to Submittal of the PS&E Estimate for Letting Process.
 - Section 1-105.10 FINAL PS&E DOCUMENTS “COMPLETE PACKAGE”
 - Updated section number from 1-402.05 to 1-402.06 when referencing to Submittal of the PS&E Estimate for Letting Process.
 - Sections 1-402.04 SUBMITTAL OF PLAN-IN-HAND ESTIMATE FOR FIELD REVIEW & 1-402.05 SUBMITTAL OF PS&E ESTIMATE FOR FIELD REVIEW
 - Updated file naming convention from TrafficOps to TrafficDes for the traffic estimated files.
 - Section 1-402.06 SUBMITTAL OF PS&E ESTIMATE FOR LETTING PROCESS
 - Updated a sentence by removing PS&E Submittal Letter and Grading Report from the require submittal files.
- Chapter 2 (Context/Scoping)
 - Section 2-105.00 DESIGN EXCEPTION REQUESTS
 - Updated terminology for the Roadway Design Division Director to the Engineering Division Director.
 - Updated terminology for FHWA Projects of Division Interest (PODI) to FHWA Risk Based Involvement (RBI).

- Section 2-307.03 CRASH CUSHION SELECTION GUIDELINES
 - Removed 2nd paragraph with Figure 2-8 on Crash Cushion Selection Flowchart.
- Sections 2-400.00 ROADWAY SIGNING SHEETS DEVELOPMENT GUIDELINES & 2-401.00 ADVANCE GUIDE SIGNS AND EXIT DIRECTIONAL SIGNS ON TRAFFIC CONTROL PLAN
 - Updated Traffic Design Division generic email for signing from TDOT.TrafficOps.Sign-Reviews@tn.gov to TDOT.TrafficDesign.SignsandMarking@tn.gov
- Section 2-501.00 TEMPORARY PAVEMENT MARKING
 - Removed information and added link to Manual on Uniform Traffic Control Devices (MUTCD).
- Section 2-504.00 RUMBLE STRIPES
 - Corrected misspelled word “CONTINUOUS” in the paragraph under SCORED CENTER LINE RUMBLE STRIPES.
- Chapter 7 (PS&E)
 - Section 7-200.00 SPECIAL PROVISIONS
 - Updated link to Special Provisions Order Sheet.
 - Added three provisions 107ARPA, 109ETAG, and 712U.
 - Deleted two provisions 204CG and 602.
 - Section 7-301.00 FINAL PS&E DOCUMENTS SUBMITTAL
 - Updated PDF sheet sizes of 33” X 21” created from OpenRoads Designer to 34” X 22”.
- Chapter 8 (Item Numbers)
 - Section 8-100.00 ITEM NUMBERS
 - Revised a sentence to direct Design Manager to contact appropriate section of the Traffic Design Division regarding item number by referring to addressee on the Distribution List instead of emailing TDOT.SignalsLighting@tn.gov.
 - Section 8-415.00 COLD PLANING OF BITUMINOUS PLANT MIX PAVEMENTS
 - Updated statement from previous RDG chapter 5 section 415.00
 - Section 8-712.00 TEMPORARY TRAFFIC CONTROL
 - Added new pay item no. 712-08.11 QUEUE PROTECTION TRUCK with per hour unit of measurement.
 - Section 8-730.00 TRAFFIC SIGNALS
 - Updated reference link Traffic Operations Division, Signal and Lighting Design Section to Traffic Design Division, Signal and Lighting Design Section.

- Chapter 9 (General Notes and Special Notes)
 - Updated blue informational texts.
 - Section 9-105.00 SEEDING AND SODDING
 - Updated blue information note to SEE SECTION 8-801.02 instead of SEE SECTION 4-801.05.
 - Section 9-115.00 DRAINAGE
 - Updated blue information note to SEE SECTION 8-204.01 instead of SEE SECTION 4-204.00.
 - Section 9-135.00 PAVEMENT MARKINGS
 - Updated blue informational note to SEE SECTION 2-500.00 THROUGH 2-510.00 instead of SEE SECTION 4-716.05 THROUGH 4-716.36.
 - Section 9-135.01 TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS
 - Added note (5) regarding Painted Pavement Marking (8" LINE).
 - Renumbered notes from sections 9-135.02 to 9-135.04
 - Section 9-135.03 DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS
 - Updated blue informational note 17 (E) to SEE SECTIONS 2-501.00 AND 2-502.00 instead of SEE SECTIONS 4-712.10 AND 4-716.11.
 - Updated blue informational note 18 (D) to SEE SECTIONS 2-501.00 AND 2-509.00 instead of SEE SECTIONS 4-716 AND 4-716.30.
 - Section 9-155.00 SIGNING
 - Updated blue informational note (5) in referencing to SECTION 4-503.00 instead of SECTION 4-713.15.
 - Updated blue informational note under note (11) to refer to note (12) instead of note (11), and also for blue informational note (12) to refer to note (13) instead of note (12).
 - Section 9-165.00 SIGNALIZATION
 - Updated blue informational note regarding notes 11 through 14 in referencing to section 8-730.01 instead of 4-730.08.
 - Section 9-175.00 LIGHTING
 - Updated notes 1, 7, and 8.
 - Section 9-415.03 UTILITY RELOCATION
 - Removed blue informational note in reference to section 3-305.07.
- Chapter 10 (Index of Standard Drawings)
 - Section 1 – STANDARD ROADWAY DRAWINGS
 - Added new drawing RP-R-1A
 - Updated revision dates for drawings RD-TP-1, RD-L-4, RD11-TS-4 & T-M-4C
 - Section 2 - STANDARD TRAFFIC OPERATIONS DRAWINGS

- Updated section name to STANDARD TRAFFIC DESIGN DRAWINGS.
- Updated revision date for drawing T-L-1, T-L-1SA, T-L-1TM, T-L-2, T-L-3, T-L-4, T-SG-9, T-SG-10, T-SG-14 & T-SG-15
- Section 10-300.00 – NEW STRUCTURES
 - Removed drawings STD-1-1, STD-1-2, STD-1-3, STD-1-4, STD-8-2, STD-8-3 & STD-14-1A.
 - Updated revision date for drawings STD-1-1SS, STD-1-2SS, STD-1-5, STD-14-2 & STD-14-3.
- ❖ General updates: all referencing to Traffic Operations have been updated to Traffic Design except under Section 1-503.02 ASSEMBLING THE VALUE ENGINEERING ANALYSIS TEAM.
- 2nd Sheets Documents
 - Environmental Notes, General Notes, Index and Standard Drawings, Pavement Edge Drop-Off Traffic Control Notes, ROW Notes Utility Notes Utility Owners, Special Notes, Standard Roadway Drawings, Standard Structure Drawings, and Standard Traffic Design Drawings.
 - Updated Notes and blue informational texts to match those updates on RDG chapter 9.
 - Estimated Roadway Quantities
 - Added RDG Notes and Footnotes to all footnote tabs.
 - Added Cold Planing column to Pavement Quantities tab.
 - Added Guardrail Removal column to Guardrail tab.
 - Design Exception Request & Design Waiver Request Forms
 - Updated
 - Road Diet Questionnaire Form
 - Updated reference RDG Section from 1-500.00 to 2-1401.00.
 - Updated reference RDG Section 1-510.30 and Figure 1-12 in RDG Section 1-510.10 to Road Diet Manual Section 6.5 and Figure 11.
- Submittal Email Templates
 - PS&E Revision Estimate
 - Updated links to Estimate Revision Request form & External Distribution Lists of the blue informational text.
 - Field Review Notification
 - Updated blue informational text on Teams Meeting and links to External Distribution Lists.
 - Final PS&E, Letting Revision, Roadway PS&E FileNet, and PS&E Revision
 - Updated link to FileNet Project Deliverables.
 - Field Review Notification, Final PS&E, and Roadway PS&E FileNet, ROW Revision,

Plan-in-Hand FileNet Package, and Functional Design

- Removed STID email selections from the blue informational text.
- Reference Documents
 - Distribution List
 - Updated group names from Roadway Design Division to Engineering Division, and from Traffic Operations to Traffic Design.
 - Roadway Design Guidelines Notes and Footnotes
 - Updated notes and reference chapter numbers.
 - PS&E Checklist
 - Updated all Estimates file names where Traffic Ops changed to Traffic Des.
 - Special Provisions Order Sheet.
 - Added three provisions 107ARPA, 109ETAG, and 712U.
 - Deleted two provisions 204CG and 602.

For any questions about the PDN process, contact TDOT Project Management.

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

Revised Links:

[TDOT Roadway Design Guidelines-PDN](#)
[2nd Sheets Documents and Submittal Email Templates](#)
[Distribution List](#)
[Roadway Design Guidelines Notes and Footnotes](#)
[PS&E Checklist](#)
[Special Provisions Order Sheet](#)

The following Instructional Bulletins are voided due to updates and inclusion into the Roadway Design Guidelines.

2019: 19-01, 19-15, 19-19 | **2020:** 20-03, 20-05, 20-11, 20-13, 20-14, 20-17, 20-18, 20-19, 20-20 |
2021: 21-01, 21-02, 21-04, 21-05, 21-06, 21-07, 21-09, 21-10, 21-11, 21-14, 21-15, 21-16, 21-17, 21-18, 21-19, 21-20 | **2022:** 22-02, 22-03, 22-04, 22-05, 22-06, 22-07, 22-08, 22-09, 22-10, 22-11, 22-13, 22-14, 22-15, 22-16 | **2023:** 23-02, 23-03, 23-04, 23-05, 23-07, 23-09, 23-11, 23-13, 23-14 & 23-15



Shane Hester, PE
 Engineering Division Director

SMH: LHC: WKA: DS
 October 31, 2024