

# TRAFFIC ENGINEERING DESIGN MANUAL REVISIONS

March 2023

## GENERAL REVISIONS

- Changed all references to *VDOT Traffic Engineering Division* to newly established *VDOT Traffic Operations Division*.
- Changed all references to *Regional Operations* to *District Operations*.
- Added *OpenRoads Designer* software to any references to *Microstation* software.

## CHAPTER 2

- Section 2.2.8 (Page 2-4) – Added reference to *IIM-TE-394*.
- Section 2.3 (Page 2-4) – Removed specific requirements for fonts and text sizes, and clarified that those requirements are found in the VDOT CADD Manual.
- Section 2.5.1.1 (Page 2-9) – Added reference to *Left-Turn Phase Selection Engineering Assessment Workbook*.
- Section 2.5.2.2 (Page 2-14) – Added sentence to clarify that the designer has the option to show distance between dotted extension lines for concurrent opposing left turns.
- Section 2.5.2.5 (Page 2-17) – Removed reference to obsolete *IIM-LD-250* and added reference to *IIM-S&B-89*.
- Section 2.5.3.4 (Page 2-24) – Added reference to newly established *VDOT Cost Estimation Office* and the recently issued *IIM-CEO-01* and *VDOT Cost Estimation Manual*.
- Figure 2-8 (Page 2-27) – Added Roadway Lighting conductor sizes and updated values per latest NEC standards.

## CHAPTER 3

- Section 3.2.1 (Page 3-1) – Added reference to *IIM-TE-395* for temporary pavement markings and removed obsolete *IIM-TE-261*.
- Section 3.2.2 (Page 3-2) – Added reference to *IIM-TE-393* for pavement markers.
- Section 3.2.7 (Page 3-3) – Updated policy regarding bridge mounted ancillary structures per *IIM-TE-375.1* and added reference to *Part 2 - Chapter 31 of the Manual of the Structure and Bridge Division*.
- Section 3.3 (Page 3-4) – Removed specific requirements for fonts and text sizes, and clarified that those requirements are found in the VDOT CADD Manual.

- Section 3.5.2.3 (Page 3-10) – Clarified design waiver process and added reference to *Form SB109*. Updated policy regarding bridge mounted ancillary structures per *IIM-TE-375.1* and added reference to *Part 2 - Chapter 31 of the Manual of the Structure and Bridge Division*.
- Section 3.5.3.2 (Page 3-17) – Clarified that *IIM-TE-384* memo is used for pedestrian crossing accommodations at unsignalized locations.
- Section 3.5.3.4 (Page 3-17) – Added reference to newly established *VDOT Cost Estimation Office* and the recently issued *IIM-CEO-01* and *VDOT Cost Estimation Manual*.
- Figure 3-5 (Page 3-20) – Replaced figure to match Appendix B example and show updated note #3.

## CHAPTER 4

- Section 4.1 (Page 4-1) – Added statement that VDOT policy requires that lighting be considered at traffic signals with marked crosswalks.
- Section 4.2.1.1 (Page 4-1) – Clarified that designer needs to consult with the District regarding the LP-1 preference before beginning detailed lighting design.
- Section 4.2.1.3 (Page 4-2) – Removed reference to specific RP-8 edition and clarified that most recent edition applies.
- Section 4.2.2.1 (Page 4-2) – Clarified that LF-1 foundation is *typically* 8 feet deep.
- Section 4.2.3.3 (Page 4-4) – Added reference to *VDOT Road and Bridge Standards for SE-series standard drawings*.
- Section 4.3 (Page 4-6) – Added statement that VDOT's default position is not to provide roadway lighting unless warranted.
- Section 4.4 (Page 4-11) – Removed specific requirements for fonts and text sizes, and clarified that those requirements are found in the VDOT CADD Manual.
- Section 4.5.3.4 (Page 4-29) – Added reference to newly established *VDOT Cost Estimation Office* and the recently issued *IIM-CEO-01* and *VDOT Cost Estimation Manual*.
- Section 4.5.4.1 (Page 4-29) – Added statement regarding the maximum wattage and minimum lumens. Removed references to tilt angle.