



Florida Department of Transportation

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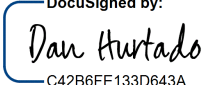
JARED PERDUE, P.E.
SECRETARY

TRAFFIC ENGINEERING AND OPERATIONS BULLETIN 22-02

DATE: November 1, 2022

TO: District Traffic Operations Engineers, District Design Engineers, District Maintenance Engineers, District Program Management Engineers and Administrators, District Safety Administrators

FROM: Dan Hurtado, P.E.
Chief Engineer

DocuSigned by:

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COPIES: Will Watts, Trey Tillander, Tim Lattner, Michael Shepard, Rudy Powell, Scott Arnold, Lora Hollingsworth, Stefanie Maxwell, State Traffic Engineering and Operations Office, Khoa Nguyen (FHWA), Bren George (FHWA), Frank Corrado (FHWA)

SUBJECT: **Release of the 2023 Traffic Engineering Manual**

This bulletin announces release of the *2023 Traffic Engineering Manual (TEM)*, which is available on the State Traffic Engineering and Operations website:
<https://www.fdot.gov/traffic/TrafficServices/Studies/TEM/TEM.shtm>

SUMMARY OF REVISIONS

- **Chapter 1 Adoption Procedure**
 - **Entire chapter – Restructured language and updated section numbering.**
 - **Section 1.10 – FORMS:** New section added.
 - **Section 1.11 – RESOURCES:** New section added.
- **Chapter 2 Signs**
 - **Section 2.6.6 – SWING-STYLE PEDESTRIAN GATE SIGNS ON MOVABLE BRIDGES:** New section added to provide guidance on the new sign for swing-style pedestrian gates on movable bridges.
 - **Section 2.14 – SIGNING FOR EMERGENCY MANAGEMENT:** Restructured language.
 - **Section 2.14.9 – SHELTER SIGN DESIGN AND USE:** Incorporated the new flip-down sign in Figure 2.14-1.
 - **Section 2.14.12.2 – RADIO FREQUENCY INFORMATION SIGN DESIGN:** Updated Figure 2.14-4 (Radio Coverage Map).

- **Section 2.44.3 – GUIDANCE:** Updated section to clarify the requirements for the use of the R10-15a sign.
- **Chapter 3 Signals**
 - **Section 3.10 – FLASHING YELLOW ARROW SIGNAL APPLICATION:** Added language on Flashing Red Arrow (FRA) and updated section numbering by combining Sections 3.10.3 and 3.10.4 into one section.
 - **Section 3.11 – SIGNAL TIMING APPLICATIONS FOR PEDESTRIAN MOVEMENT:** Modified language and updated the Leading Pedestrian Interval (LPI) timing equation.
 - **Section 3.12 – TRAFFIC SIGNAL RETIMING:** New section added to provide standards on how often traffic signals should be retimed.
- **Chapter 5 Specialized Operational Topics**
 - **Section 5.2.5.2 – CRITERIA FOR BEACONS AND SIGNALS:** Updated the language to include the guidance for a Pedestrian Hybrid Beacon (PHB) sequence.
 - **Section 5.2.7.1 – PAVEMENT MARKINGS:** Updated Figure 5.2-4 (Pedestrian and Bicycle Crossing Warning Sign Pavement Marking Details).
 - **Section 5.2.8 – TREATMENT OPTIONS SELECTION MATRIX:** Created interactive excel tool and updated Figure 5.2-13 (Midblock Crosswalk and Unsignalized Intersection Guidance Matrix).
 - **Section 5.3 – TREATMENTS FOR PEDESTRIANS AND BICYCLISTS ON MOVABLE BRIDGES:** New section added to provide guidance on the installation and operation of pedestrian treatments on movable bridges.

COMMENTARY

All revisions in this bulletin will ensure accurate and consistent implementations.

IMPLEMENTATION

These changes are effective on projects beginning design on or after January 1, 2023, and on projects currently in the design phase where implementation will not adversely impact production schedules.

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