



Florida Department of Transportation

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TRAFFIC ENGINEERING AND OPERATIONS BULLETIN 24-03

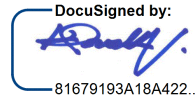
DATE: November 22, 2024

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

FROM: Rudy Powell, Jr., P.E.
Chief Engineer of Operations

COPIES: Will Watts, Trey Tillander, Dan Hurtado, Tim Lattner, Lance Grace, Lora Hollingsworth, Derwood Sheppard, Daniel Strickland, State Traffic Engineering and Operations Office, David Hawk (FHWA), Mark Parry (FHWA), Bren George (FHWA)

SUBJECT: **2025 Traffic Engineering Manual**



This bulletin announces the release of the **2025 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

- **Updated language and hyperlink references consistent with the MUTCD 11th Edition, dated December 2023.**
- **Updated references to match the 700 Series of the 2025 Standard Plans for Florida Transportation Plans (FTP) sign numbering.**
- **Editorial changes:**
 - Updated the manual to have a consistent section structure throughout all chapters.
 - Rewrote sections in plain language and applied Writing Style Sheet guidelines.
 - Added table/figure cross-referencing.
- **CHAPTER 1: ADOPTION PROCEDURE**
 - Removed reference to *Topic No. 025-020-002, Standard Operating System*.
 - Updated Variation Documentation Process for clarity.

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- **CHAPTER 2: SIGNS**
 - 2.3 – SIGNS AND MARKINGS UNSIGNALIZED INTERSECTIONS ON DIVIDED HIGHWAYS**
 - Renamed section from *Signs and Markings at Divided Highways and Crossroads* to *Signs and Markings Unsignalized Intersections on Divided Highways*.
 - Added two subsections to provide guidance on the application of Intersection Lane Control Signs at unsignalized intersections (single and multilane approaches). Added references to the Sign Library.
 - 2.6 – BRIDGE SIGNS AND MARKINGS**
 - Updated FTP references to Standard Plans, Index 700-102, and clarified the placement of these signs and plaques.
 - 2.8 – MOVE VEHICLES FROM TRAVEL LANES SIGN**
 - Updated references to the corresponding FTP sign.
 - Clarified the placement of these signs for non- and limited-access facilities.
 - 2.10 – REST AREA PLAQUES**
 - Renamed section from *Vending Machine Signs* to *Rest Area Plaques*.
 - Updated references to the FTPs and clarified the placement of these plaques.
 - 2.10.4 – BICYCLE PASSING CLEARANCE SIGN**
 - Added reference to the new FTP-100-25 for FLORIDA LAW plaque.
 - 2.44 – TURNING VEHICLES STOP FOR PEDESTRIANS SIGN**
 - Removed reference to the FHWA MUTCD letter of interpretation 2(09)-165(I)-R10-15 Modified with Stop Signal Symbol.
- **CHAPTER 3: SIGNALS**
 - 3.10 – FLASHING YELLOW / RED ARROW SIGNAL APPLICATION**
 - Updated references to the Safe Mobility for Life educational materials.
- **CHAPTER 4: MARKINGS**
 - 4.1.3 – CROSSWALKS IN HEAVY PEDESTRIAN CONCENTRATION AREAS**
 - Added FTP reference to the new END PEDESTRIAN CROSSING sign.
 - 4.2.3 – ROUTE SHIELD PAVEMENT MARKINGS**
 - Added two subsections to provide clarity on the application of route shield pavement markings on mainline and interchange access facilities.
 - 4.3 – SPECIAL RAISED PAVEMENT MARKERS**
 - Renamed section from *Use of Blue Raised Pavement Markings* to *Special Raised Pavement Marking*.
 - Consolidated with guidance on the use of internally-illuminated raised pavement markers (IIRPMs).
 - 4.5 – MANAGED LANES MARKINGS**
 - Updated definitions for managed lane separation.
 - Updated schematic to be consistent with the updated definitions.
 - 4.6 – USE OF INTERNALLY ILLUMINATED RAISED PAVEMENT MARKERS**
 - Section content consolidated into 4.3 and the section was removed.
- **CHAPTER 5: SPECIALIZED OPERATIONAL TOPICS**
 - 5.1 – GOLF CART CROSSING AND OPERATION ON THE STATE HIGHWAY SYSTEM**
 - Added reference to the new X-ING plaque for golf cart operation at side street stop-controlled intersections.

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- Added IN ROAD plaques (W16-1P) for golf cart operation at signalized intersections.
- Added reference to the new ON SIDEWALK plaque for golf cart operation on sidewalks.

5.3 – CROSSWALK TREATMENTS AT MIDBLOCK LOCATIONS AND UNSIGNALIZED INTERSECTIONS

- Update the language for clarity to evaluate marked crosswalks and other treatments at midblock locations and unsignalized intersections.
- Updated the documentation of crash history from 3 to 5 years consistent with the State Safety Office Crash Data guidance.
- Added guidance when considering Midblock Pedestrian Signal as a midblock crosswalk treatment.

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, 2025, and on projects currently in the design phase where implementation will not adversely impact production schedules.

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