



## Florida Department of Transportation

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### TRAFFIC ENGINEERING AND OPERATIONS BULLETIN 18-03

DATE: November 1, 2018

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

FROM: V. Y. "Trey" Tillander III, P.E.  
Director, State Traffic Engineering and Operations Office 

COPIES: Courtney Drummond, Tim Lattner, Rudy Powell, Stefanie Maxwell, State Traffic Engineering and Operations Office, Khoa Nguyen (FHWA), Frank Corrado (FHWA)

SUBJECT: **2019 Traffic Engineering Manual**

This bulletin announces the release of the 2019 Traffic Engineering Manual (TEM) which is available on the State Traffic Engineering and Operations website:  
<http://www.fdot.gov/traffic/TrafficServices/Studies/TEM/TEM.shtm>

### SUMMARY OF REVISIONS

- **Chapter 2 Signs**
  - **Section 2.6.1 – BRIDGE AND SIGN STRUCTURE LOW CLEARANCE SIGNS:** First paragraph modified to clarify location of sign placement.
  - **Section 2.15 – SMOKE ON HIGHWAY SIGNS:** Entire section updated.
  - **Section 2.29 – USE OF FLUORESCENT YELLOW-GREEN SHEETING:** Entire section rescinded and the language is now included in the FDOT Standard Specifications for Road and Bridge Construction Section 700.
- **Chapter 3 Signals**
  - **Section 3.4 – EMERGENCY TRAFFIC CONTROL SIGNALS:** Updated Figure 3.4-1 and eliminated Figure 3.4-2 by incorporation to improve comprehension and legibility.

- **Section 3.7 – ACCESSIBLE PEDESTRIAN SIGNALS:** Entire section updated; updated change from ‘audible’ to ‘accessible’ language.
- **Section 3.8.3 – DEFINITIONS:** Updated the following definitions to agree with MUTCD definitions: *Marked Crosswalk, Midblock, Pedestrian Hybrid Beacon, Two-stage marked crosswalk, Uncontrolled approach, Unmarked crosswalk.*
- **Section 3.8.5 – INSTALLATION CRITERIA AND CONSIDERATIONS:** Modified paragraph (3)(b) threshold language.
- **Section 3.8.5 – INSTALLATION CRITERIA AND CONSIDERATIONS:** Modified paragraph (5)(d) to include two-stage crossings.
- **Section 3.8.6 – PEDESTRIAN CROSSING TREATMENTS:** Modified paragraph (4)(a) to agree with MUTCD 4D.01 for mid-block crosswalks.
- **Section 3.8.6 – PEDESTRIAN CROSSING TREATMENTS:** Modified paragraph (4)(c) to include crossings with median refuge islands.
- **Section 3.8.6 – PEDESTRIAN CROSSING TREATMENTS:** Modified paragraph (6)(a) to include language that approval from FHWA for interim use is required for any local agency; updated policy memorandum number IA-11 to IA-21 since IA-11 is terminated.
- **Section 3.8.7 – SELECTION GUIDANCE FOR PEDESTRIAN TREATMENTS:** Modified paragraph (1)(b) to clarify engineering study requirements.
- **Section 3.10 – FLASHING YELLOW ARROW SIGNAL APPLICATION:** New section added.
- **Chapter 4 Markings**
  - **Section 4.5.2 – DEFINITIONS:** New definitions added.
  - **Section 4.6 – USE OF INTERNALLY ILLUMINATED RAISED PAVEMENT MARKERS:** New section added.

## **BACKGROUND**

- Section 2.6.1: Ensure consistent implementation.
- Section 2.15: Ensure consistency with the revised *Cooperative Agreement For Response To And Management Of Smoke Intrusion On Florida Highways.*
- Section 2.29: Ensure consistency with the FDOT Standard Specifications.
- Section 3.4: Ensure consistent implementation.
- Section 3.7: Ensure accurate and consistent implementation.
- Section 3.8: Ensure accurate and consistent implementation.
- Section 3.8.5: Ensure consistent implementation.
- Section 3.10: Ensure accurate and consistent implementation.
- Section 4.5.2: Ensure consistent implementation.
- Section 4.6: Ensure consistent implementation.

## **IMPLEMENTATION**

These changes are effective on projects beginning design on or after January 1, 2019 and on projects currently in the design phase where implementation will not adversely impact production schedules.

## **CONTACT**

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