

Florida Greenbook

Manual of Uniform Minimum Standards for Design,
Construction and Maintenance for Streets and Highways

Sub-committee Meeting

Chapter 18 – Signing and Pavement Marking

Agenda

March 3, 2026
2:00 PM – 3:00 PM

Virtual on Microsoft Teams
[MS Teams Link](#)

2:00 PM	Welcome and Introductions	Derwood Sheppard
2:10 PM	Chapter 18 Review and Discussion (17 th Edition)	Jacqui Morris, Kittelson Staff
2:30 PM	Sub-Committee Discussion	Chapter 18 Sub-Committee
2:40 PM	Action Items and Next Steps	Jacqui Morris, Kittelson Staff
2:50 PM	Closing remarks <ul style="list-style-type: none">Public Comment	Jacqui Morris

Florida Greenbook

Chapter 18 Subcommittee Meeting
Signing and Marking

March 3, 2026



Public Meeting

*Welcome &
Introductions*

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Online Attendees *Meeting Logistics*



The chat feature can be used to ask questions to the presenters or share resources.



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Raise your virtual hand to ask a live question.

Chapter 18 Review

This is a working document
that has not been adopted.

Chapter 18

Signing and Pavement Marking



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*Committee Discussion
& Next Steps*

General Discussion

OPEN FOR PUBLIC COMMENT



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CONTACT

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Thank you for attending!



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18 Signing and Pavement Marking

18.1 Introduction

Signing and pavement markings ~~help improve highway safety by providing~~ provide guidance information to road users. - Both signs and pavement markings should provide sufficient visibility to meet the user's needs. -The design of signs and pavement markings should complement the basic highway design. Designers and engineers should also be aware of the different capabilities and needs of the driving population ~~seniors~~, and consider appropriate measures to better meet their needs and capabilities.

Sections 18.3 and 18.4 of this chapter ~~specifically~~ discuss ~~traffic control devices for both~~ signing and pavement markings s that accommodate ~~not only~~ the needs of all types of road users. ~~but also the special needs of seniors.~~

18.2 Background

Section 316.0745, F.S., requires the FDOT to compile and publish a manual of uniform traffic control devices for use on the streets and highways of the state. - To comply with this statute, the Federal Highway Administration's (FHWA) **Manual on Uniform Traffic Control Devices (MUTCD)** has been adopted for use in **Rule 14-15.010, F.A.C.** ~~:-~~ AAll references in this chapter are in conformance with the MUTCD ~~:-~~

The **Manual on Speed Zoning for Highways, Roads, and Streets in Florida (2019)**, is adopted for use by the State of Florida under **Rule 14-15.012, F.A.C.** This manual is prepared by the FDOT in compliance with **Chapter 316, F.S.** to promote uniformity in the establishment of state, municipal, and county speed and school zones throughout the Sstate.

18.3 Signs

This section includes criteria for some, but not all, signs. Refer to the MUTCD for additional requirements for regulatory, warning, and informational signs.

18.3.1 Advance Street Name Signs

The use of advance street name signs provides advance notification to road users ~~and~~ assists them in making safe roadway decisions. Signs should be used for signalized ~~and~~ ~~non-signalized~~ ~~unsignalized~~ intersections that are classified as a minor arterial or higher, or a cross street that provides access to a traffic generator or possesses other comparable physical or traffic characteristics deemed to be critical or significant.

18.3.1.1 Standards

The words “Street,” “Boulevard,” “Avenue,” etc., may be abbreviated, deleted, or reduced in size to conserve sign panel length. However, if confusion ~~would~~ ~~could~~ result due to similar street names in the area, the deletion should not be made.

Use of the local name is preferred on advance street name signs. When a cross street has a different name on each side of the intersection, both names shall be shown with an arrow beside each name to designate direction. Additional legend such as NEXT SIGNAL or XX FEET may be added.

18.3.1.2 Installation

Advance street name signs should be installed in advance of the intersection in accordance with the distances shown in “Condition A” of **MUTCD Table 2C-3**. These distances are to be considered the minimum for a single-lane change maneuver, and should be measured from the begin taper point for the longest auxiliary lane designed for the intersection. The degree of traffic congestion and the potential number of lane change maneuvers that may be required should also be ~~considered~~ ~~evaluated~~ when determining the advance placement distance.

18.3.1.3 Sign Design

Advance street name signs shall be designed in accordance with **Part 2** of the **MUTCD**. The lettering for the signs shall be composed of a combination of lower-case letters with initial upper-case letters.

Letter height should conform to the **MUTCD, Table 18 – 1 Design Guidelines for Advance Street Name Signs. Various layouts for advance street name signs are shown in Figure 18 – 1 Examples of Advance Street Name Signs. Section 2D.05.**

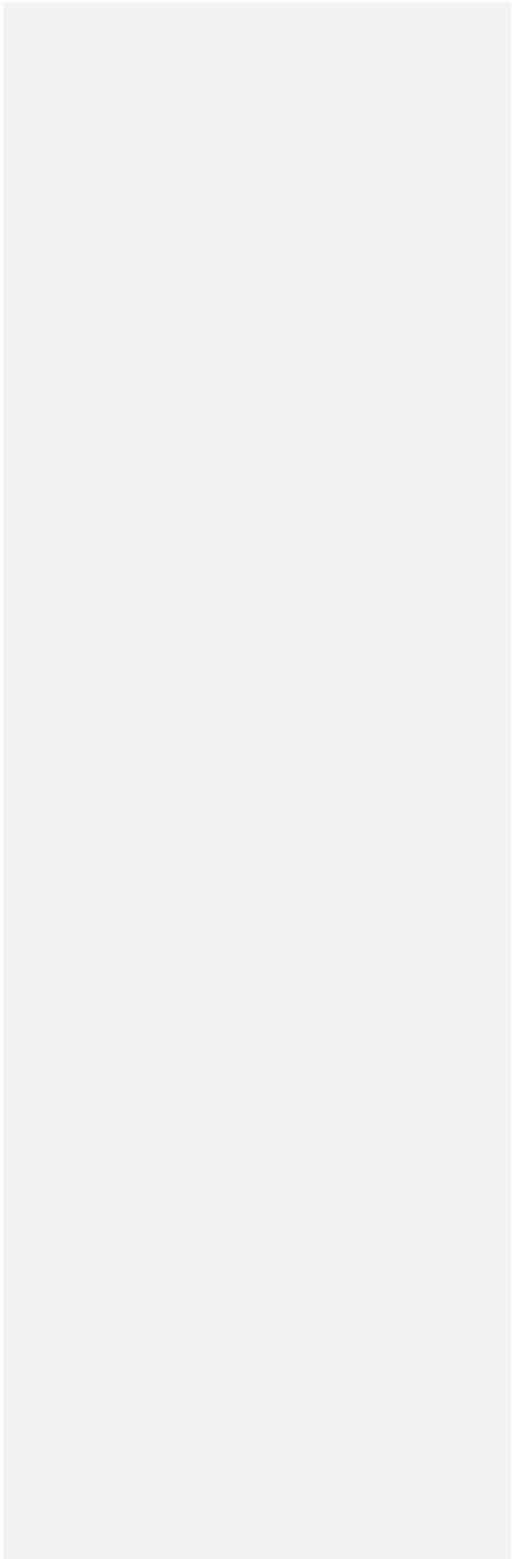


Table 18-1 — Design Guidelines for Advance Street Name Signs

Posted Speed Limit	Street Name Legend	Next Signal or Intersection
	Letter Size (inches) Series E Modified (EM) Upper/Lower Case Letters	Letter Size (inches) Series D (D) Upper Case Letters
35 mph or less	8 EM	6 D
40 mph or greater	10.67 EM	8 D

Figure 18-1 — Examples of Advance Street Name Signs



~~18.2.2~~ **18.3.2 Advance Traffic Control Signs**

Advance ~~T~~Traffic ~~C~~Control signs, i.e., Stop Ahead (W3-1), Yield Ahead (W3-2), and Signal Ahead (W3-3) signs; shall be installed on an approach to a primary traffic control device that is not visible for a sufficient distance to permit the driver to respond to the device. ~~—~~—The visibility criteria for traffic signals shall be based on having a continuous view of at least two signal faces for the distances ~~s~~s specified in ~~MUTCD Table 4D-2 of the MUTCD.~~

An ~~a~~a Advance ~~T~~Traffic ~~C~~Control sign may be used for additional emphasis of the primary traffic control device, even when the visibility distance to the device is satisfactory.

~~18.2.3~~ **18.3.3 Overhead Street Name Signs**

Overhead street name signs with mixed-case lettering should be used at major intersections (with multi-lane approaches) as a supplement to post-mounted street name signs. ~~Overhead street sign sizes and lettering shall conform with MUTCD 44th Edition, Chapter 2D.~~

~~18.2.3.1~~ **18.3.3.1 Standards**

Overhead street name signs shall only be used to identify cross streets, not destinations such as cities or facilities. ~~—~~—To avoid the need for lighting of overhead signs, they should have a minimum maintained retroreflectivity value as shown in ~~MUTCD Table 2A-5.~~ ~~—~~—Roadway geometry and forward sight distance will also influence the need for overhead sign lighting.

The words “Street,” “Boulevard,” “Avenue,” etc. ~~—~~— may be abbreviated, deleted, or reduced in size to conserve sign panel length. ~~—~~—The border should be eliminated on overhead street name signs to minimize sign panel size. ~~—~~—When a cross street is known by both a route number and a local name, use of the local name is preferred.

When a cross street has a different name on each side of the intersection, two options are permitted:

- ~~w~~when two sign panels are used, install one sign panel on the left and the other sign panel on the right side of the signal heads; or
- ~~w~~when one sign panel is used, the left name should be displayed over the right name. Arrows should be provided to indicate which side of the intersection the street name applies.

~~18.2.3.2~~ **18.3.3.2 Installation**

Due to the possibility of ~~hurricane strength~~ winds, overhead street name signs should not be installed on span wire but should be mounted to the strain pole or mast arm.

The location of the overhead street name sign on a signal strain pole and/or mast arm may vary. However, it shall not interfere with the motorist's view of the signal heads. The preferred location is shown in the FDOT's **Standard Plans**. ~~In the case of separate street names on each side of the street, and where separate signs are used, one sign should be placed to the right of the signal heads and the other sign to the left of the signal heads.~~

~~18.2.3.3~~ **18.3.3.3 Sign Design**

On roadways with posted speeds of 40 mph or above, the sign panel should be at least 24 inches in height with the length determined by text. At a minimum, use 8-inch upper-case and 6-inch lower-case lettering for the street name. If block numbering text is included, use 6-inch all upper-case lettering on the second line. The preferred font is Series E-Modified; however, Series E may be used to accommodate the amount of legend so as not to exceed the 96-inch maximum length.

Where structurally possible, overhead street name signs should be designed in compliance with the FHWA's recommendations for ~~older~~ drivers above the age of 65 using a minimum lettering size of 10-inch upper-case with 9-inch lower-case.

~~18.2.3.4~~ **18.3.3.4 Internally Illuminated Overhead Street Name Signs**

An internally illuminated overhead street name sign may be used to improve night-time visibility. Internally illuminated overhead street name signs should have a standardized height of 24 inches and a length not to exceed 108 inches (9 feet~~nine feet~~).

An FHWA Series E Modified or Series E font, which may vary to accommodate the amount of text on the panel, should be used.

The sign design shall be in accordance with the **MUTCD**. When possible, the text should utilize the following text attributes (listed in order of preference)~~in descending order~~ to limit the maximum sign length:

• width:

- 10-inch upper-case with 8-inch lower-case, ~~Type EM~~Series E (modified) font
- 10-inch upper-case with 8-inch lower-case, ~~Type~~Series E font
- 8-inch upper case with 6-inch lower-case, ~~Type EM~~Series E (modified) font
- 8-inch upper-case with 6-inch lower-case, ~~Type~~Series E font

Internally illuminated overhead street name signs shall be on the FDOT's **Approved Products List (APL)**.

~~18.2.4~~ **18.3.4 Community Wayfinding Guidance**

Community wayfinding guide signs should be developed and approved through local resolution, with criteria for the destinations shown on the community wayfinding guide sign system plan. Any wayfinding guide sign should be used in accordance with **Rule 14-51.030, F.A.C.** The intent is to provide guidance and navigation information to local cultural, historical, recreational, and tourist activities destinations. No destination should be displayed for the purpose of advertising. All sign designs shall conform with MUTCD.

~~18.2.5~~ **18.3.5 DMS Overview**

The main purpose of dynamic message signs (DMS) is to convey timely and important en-route and roadside information to motorists and travelers. Further information on how DMS signs may be used can be found in the FDOT's policy on **Displaying Messages on Dynamic Message Signs Permanently Mounted on the State Highway System**.

~~18.2.6~~ **18.3.6 Design Details for Signs**

The **MUTCD** shall govern all sign details. At a minimum, the “Conventional Road” size shall be used on signs intended for motor vehicle operators.

Shared use path sign sizing for traffic control shall follow the “Shared-Use Path” sizing and height shown in the **MUTCD**. See **Chapter 9 — Bicycle Facilities** for additional requirements on the signing of shared use paths.

18.3.4 Pavement Markings

This section includes criteria for some, but not all, pavement markings. Refer to the MUTCD for additional requirements.

~~18.3.1~~ **18.4.1 Pavement Markings**

Six 6-inch pavement markings should be used for all pavement center line, lane separation line, and edge line markings. The **FDOT Design Manual, Chapter 230** provides additional information, including material options.

~~18.3.2~~ **18.4.2 Reflective Pavement Markers**

To provide greater emphasis and increase visibility of the pavement markings, especially during wet/night conditions, Raised pavement markers (RPMs) should be used. More information on RPM configurations is shown in the FDOT's **Standard Plans, Index 706-001**.

~~18.3.3~~ **18.4.3 Pavement or Surface Art**

Do not apply pavement or surface art on travel lanes, paved shoulders, bridges, intersections, crosswalks, or sidewalks. Pavement or surface art is defined as surface markings that are not in direct support of traffic control or public safety.

18.4.18.5 Audible and Vibratory Treatments

~~18.4.4~~ **18.5.1 Longitudinal Audible Vibratory Treatments**

Longitudinal ~~a~~Audible ~~and v~~vibratory ~~t~~Treatments (AVTs) are an effective, ~~l~~low-cost countermeasure to reduce the severity and frequency of lane departure crashes.

~~Audible Vibratory Treatments~~ (AVTs) shall be provided for edge lines and center lines on flush-shoulder roadways with ~~a~~ posted speeds ~~s~~ of 50 mph or greater and lane widths of 11 feet or greater. Sections where advisory speeds are used due to restricted horizontal or vertical geometry shall not be excluded. AVTs shall not be placed within the limits of crosswalks.

More information on these types of treatments are shown in the FDOT's **Standard Plans, Index 546-010** and in the FDOT Design Manual, Chapter 210 Arterials and Collectors. AVT options include sinusoidal ground-in rumble strips and profiled thermoplastic. The sinusoidal ground-in rumble strip option provides the most economical and durable solution with less noise pollution.

~~18.4.2~~ **18.5.2 Transverse Rumble Strips**

Transverse rumble strips alert the driver in rural areas to upcoming stop conditions or abrupt changes in alignment. ~~–~~ Factors influencing their use include crash history, roadway geometry, ~~–~~ and surrounding land use (noise pollution). ~~–~~ They should not be placed in crosswalks or bicycle facilities. ~~–~~ On roadways open to bicycl~~i~~ste travel, a minimum clear path of 4 feet on the outside edge should be provided. ~~–~~ **MUTCD Sections 3K.02 and 6M.06** provide further information on the use of transverse rumble strips.

See **Chapter 11** ~~—~~ **Work Zone Safety and Mobility** for the requirements for installation of short-~~–~~term transverse rumble strips during construction activities.

~~18.5~~ **18.6 Railroad Dynamic Envelope Pavement Marking and Signage**

Railroad ~~d~~Dynamic ~~e~~Envelope pavement markings are used to delineate the area around at-grade railroad crossings where vehicles should not stop. ~~–~~ See **Chapter 7** ~~—~~ **Rail-Highway**

Crossings for guidance on the design and installation of railroad dynamic envelope pavement markings and signage.