Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

September 11, 2026

Daniel Holt, PE, PTOE
Director, Project Delivery
Director, Technical Services
FHWA
400 West Washington Street, Suite 4200
Orlando, FL 32801

Re: State Specifications Office
Section: 700
Proposed Specification: **7000101 Highway Signing**
Associated Specification: **9950209 Traffic Control Signal and Device Material, 9940101 Retroreflective and Nonreflective Sheeting and Sign Panel Fabrication**

Dear Mr. Holt:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Karen Byram to remove language requiring the Engineer to take random samples of all material and added sign fabricators to the approved product list. Ronald Meyer added language to cover breakaway power cables.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.
State Specifications Engineer

DS/am
Attachment
cc: Florida Transportation Builders' Assoc.
State Construction Engineer

HIGHWAY SIGNING
(REV 6-17-26)

ARTICLE 700-1 is deleted and the following substituted:

700-1 Description.

Furnish and install roadway signs in accordance with the details in the Standard Plans and as shown in the Plans.

Erect ground traffic signs as signs on the shoulders, slopes, or medians. Signs are classified as single column(post), multi-column, or In-Street signs.

Erect overhead traffic signs partially or completely over the traveled roadway or mounted on bridges. Overhead traffic signs are classified as span wire mounted, mast arm mounted, overhead cantilever structure, or overhead span structure traffic signs.

The sign face(s) may be a single or combination of static sign panels, illuminated sign panels, dynamic message signs, or electronic display signs.

Fabricate standard sign panel messages in accordance with details included in the Standard Highway Signs (SHS) manual published by the U.S. Department of Transportation, the Plans, or Standard Plans. Submit shop drawings to the Department for approval, as specified in Section 5.

All Traffic Control Signals and Devices must meet the requirements of Section 603.

ARTICLE 700-2 is deleted and the following substituted:

700-2 Materials.

700-2.1 General Requirements: Meet the following requirements:

Flowable Fill for precast foundation	Section 121
Structural Concrete	Section 346
Non-Structural Concrete	Section 347
Reinforcing Steel	Section 415
Structural Steel Welding	Section 460
Repair of Galvanized Surfaces*	Section 562
Transformer Base*	Section 965
Structural Steel and Miscellaneous Metal Items (other than aluminum)	Section 962
Aluminum Items	Section 965
Retroreflective Sign Sheeting*	Section 994
Sign Panel Fabrication**	Section 994
Internally Illuminated Signs*	Section 995-14
Highlighted Signs*	Section 995-15
Dynamic Message Signs*	Section 995-16
Electronic Display Signs (~~ERS~~VSLS, ESFS, BOS)*	Section 995-17
Sign Beacon*	Section 995-18
In-street Sign*	Section 995-19

*Use products listed on the Department's Approved Products List (APL).

**Use Sign Fabricators listed on the APL.

700-2.2 Static Sign Assembly Requirements:

700-2.2.1 Static Sign Panels: ~~Provide aluminum sheets for sign panels meeting the requirements of Section 965 and Section 994.~~ Meet the minimum thickness requirements of Table 700-1.

For flip signs, use continuous hinges constructed of ANSI grade 316 stainless steel.

For In-Street signs, see 700-7.

Table 700-1 Static Sign Panel Requirements	
Type	Minimum Thickness
Single column ground sign	0.08 inch
All other sign panels	0.125 inch

700-2.2.2 Sign Panel Mounting Hardware: Provide aluminum materials (plates, bars, shapes, bolts, nuts, and washers) in accordance with Section 965. Stainless steel mounting hardware meeting Table 962-6 (ASTM F593 for bolts and ASTM F594 for nuts) may be substituted. Steel plates, shapes and hardware must meet Section 962.

700-2.2.3 Retroreflective Sign Sheeting: Meet ~~S~~sign sheeting ~~must meet the~~ requirements of Section 994 and Table 700-2. All digitally printed traffic signs and red silkscreen inks require a clear overlay for UV protection on the entire face of the sign.

Table 700-2 Retroreflective Sign Sheeting*		
Application	Sheeting System Type	Notes
All signs and retroreflective strips, except as otherwise noted below	Type XI	
School: S1-1, S3-1, S3-2, S4-5, S4-5a, S5-1 (SCHOOL portion) Bicycle: W11-1 Pedestrian: R1 6, R1 6a, R1 6b, R1 6c, R1 9, R1 9a, R10 15, W11 2 Shared Use Path (trail): W11 15, W11 15a	Type XI fluorescent yellow green sheeting**	Includes supplemental panels
*~~All digitally printed signs and red silkscreen inks require a clear overlay for UV protection.~~ **Do not mix signs having fluorescent yellow green sheeting with signs having yellow retroreflective sheeting.		

SUBARTICLE 700-2.4.3 is deleted and the following substituted:

700-2.4.3 Overhead Signs: Obtain overhead sign structures from a facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

Meet the requirements for overhead signs in accordance with Section 962.

Repair galvanized surfaces in accordance with Section 562. Galvanizing materials used for repair must meet the requirements of Section 975.

SUBARTICLE 700-4.2 is deleted and the following substituted:

700-4.2 Materials: Use flashing beacons, highlighted signs, electronic display signs (EDS), and associated mounting hardware that meet the requirements of Section 995 and are listed on the APL. EDS are specialized electronic signs that include dynamic display components. The term EDS refers to a general category of electronically enhanced road signs ~~(ERS)~~ with warning regulatory, or guide legends~~;~~, including electronic speed feedback signs (ESFS)~~;~~ and blank-out signs (BOS).

For new roadside sign assemblies, provide support structure in accordance with Section 646. Meet all static sign requirements for the static portion of the highlighted sign (i.e., sign panel, reflective sheeting, etc.).

700-4.2.1 Breakaway Power Cable and Connector: Power cable shall be multi-conductor cord SOW or SOOW type with a 600V rating, UL-listed, minimum 12 AWG. The ground wire must have green insulation. Provide single-pole in-line fuse holders with a breakaway connection rated 30A, 600V. Use fused connections that utilize an ATQ or FNQ, Class CC, 600 VAC, 15-amp, time-delay, UL-listed fuse with a minimum interrupting rating of 200kA RMS Symmetrical. Provide a non-fused disconnect on the neutral conductor using a permanently installed solid neutral slug. Fuse holders shall be rated watertight or submersible.

700-4.2.~~1~~2 Warranty: Ensure that beacons, highlighted signs, and EDS have a manufacturer's warranty covering defects for three years from the date of final acceptance by the Engineer in accordance with 5-11 and Section 608.

HIGHWAY SIGNING
(REV 6-17-26)

ARTICLE 700-1 is deleted and the following substituted:

700-1 Description.

Furnish and install roadway signs in accordance with the details in the Standard Plans and as shown in the Plans.

Erect ground traffic signs as signs on the shoulders, slopes, or medians. Signs are classified as single column(post), multi-column, or In-Street signs.

Erect overhead traffic signs partially or completely over the traveled roadway or mounted on bridges. Overhead traffic signs are classified as span wire mounted, mast arm mounted, overhead cantilever structure, or overhead span structure traffic signs.

The sign face(s) may be a single or combination of static sign panels, illuminated sign panels, dynamic message signs, or electronic display signs.

Fabricate standard sign panel messages in accordance with details included in the Standard Highway Signs (SHS) manual published by the U.S. Department of Transportation, the Plans, or Standard Plans. Submit shop drawings to the Department for approval, as specified in Section 5.

All Traffic Control Signals and Devices must meet the requirements of Section 603.

ARTICLE 700-2 is deleted and the following substituted:

700-2 Materials.

700-2.1 General Requirements: Meet the following requirements:

Flowable Fill for precast foundation.....Section 121
Structural Concrete .....Section 346
Non-Structural Concrete .....Section 347
Reinforcing Steel .....Section 415
Structural Steel Welding.....Section 460
Repair of Galvanized Surfaces*.....Section 562
Transformer Base*.....Section 965
Structural Steel and Miscellaneous Metal Items
(other than aluminum).....Section 962
Aluminum Items .....Section 965
Retroreflective Sign Sheeting* .....Section 994
Sign Panel Fabrication** .....Section 994
Internally Illuminated Signs*..... Section 995-14
Highlighted Signs*..... Section 995-15
Dynamic Message Signs* ..... Section 995-16
Electronic Display Signs
(VSLS, ESFS, BOS)* ..... Section 995-17
Sign Beacon* ..... Section 995-18
In-street Sign*..... Section 995-19

*Use products listed on the Department's Approved Products List (APL).
**Use Sign Fabricators listed on the APL.

700-2.2 Static Sign Assembly Requirements:

700-2.2.1 Static Sign Panels: Meet the minimum thickness requirements of Table 700-1.

For flip signs, use continuous hinges constructed of ANSI grade 316 stainless steel.

For In-Street signs, see 700-7.

Table 700-1 Static Sign Panel Requirements	
Type	Minimum Thickness
Single column ground sign	0.08 inch
All other sign panels	0.125 inch

700-2.2.2 Sign Panel Mounting Hardware: Provide aluminum materials (plates, bars, shapes, bolts, nuts, and washers) in accordance with Section 965. Stainless steel mounting hardware meeting Table 962-6 (ASTM F593 for bolts and ASTM F594 for nuts) may be substituted. Steel plates, shapes and hardware must meet Section 962.

700-2.2.3 Retroreflective Sign Sheeting: Meet sign sheeting requirements of Section 994 and Table 700-2. All digitally printed traffic signs and red silkscreen inks require a clear overlay for UV protection on the entire face of the sign.

Table 700-2 Retroreflective Sign Sheeting		
Application	Sheeting System Type	Notes
All signs and retroreflective strips, except as otherwise noted below	Type XI	
School: S1-1, S3-1, S3-2, S4-5, S4-5a, S5-1 (SCHOOL portion) Bicycle: W11-1 Pedestrian: R1 6, R1 6a, R1 6b, R1 6c, R1 9, R1 9a, R10 15, W11 2 Shared Use Path (trail): W11 15, W11 15a	Type XI fluorescent yellow green sheeting*	Includes supplemental panels
*Do not mix signs having fluorescent yellow green sheeting with signs having yellow retroreflective sheeting.		

SUBARTICLE 700-2.4.3 is deleted and the following substituted:

700-2.4.3 Overhead Signs: Obtain overhead sign structures from a facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

Meet the requirements for overhead signs in accordance with Section 962.

Repair galvanized surfaces in accordance with Section 562. Galvanizing materials used for repair must meet the requirements of Section 975.

SUBARTICLE 700-4.2 is deleted and the following substituted:

700-4.2 Materials: Use flashing beacons, highlighted signs, electronic display signs (EDS), and associated mounting hardware that meet the requirements of Section 995 and are listed on the APL. EDS are specialized electronic signs that include dynamic display components. The term EDS refers to a general category of electronically enhanced road signs with warning regulatory, or guide legends, including electronic speed feedback signs (ESFS) and blank-out signs (BOS).

For new roadside sign assemblies, provide support structure in accordance with Section 646. Meet all static sign requirements for the static portion of the highlighted sign (i.e., sign panel, reflective sheeting, etc.).

700-4.2.1 Breakaway Power Cable and Connector: Power cable shall be multi-conductor cord SOW or SOOW type with a 600V rating, UL-listed, minimum 12 AWG. The ground wire must have green insulation. Provide single-pole in-line fuse holders with a breakaway connection rated 30A, 600V. Use fused connections that utilize an ATQ or FNQ, Class CC, 600 VAC, 15-amp, time-delay, UL-listed fuse with a minimum interrupting rating of 200kA RMS Symmetrical. Provide a non-fused disconnect on the neutral conductor using a permanently installed solid neutral slug. Fuse holders shall be rated watertight or submersible.

700-4.2.2 Warranty: Ensure that beacons, highlighted signs, and EDS have a manufacturer's warranty covering defects for three years from the date of final acceptance by the Engineer in accordance with 5-11 and Section 608.