*Florida Department of Transportation*

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

MIKE DEW
SECRETARY

December 19, 2017

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: **990**
Proposed Specification: **9900100 Temporary Traffic Control Device Materials.**

Dear Mr. Nguyen:

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

The changes are proposed by Daniel Strickland of the State Construction Office to modify the language.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to dan.hurtado@dot.state.fl.us.

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

Sincerely,

Signature on file

Dan Hurtado, P.E.
State Specifications Engineer

DH/dt
Attachment
cc: Florida Transportation Builders' Assoc.
State Construction Engineer

**TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS.**
**(REV ~~10-26-17~~12-19-17)**

ARTICLE 990-1 is deleted and the following substituted:

**990-1 General.**

This Section specifies the material requirements for temporary traffic control devices. All temporary traffic control devices must meet the requirements of NCHRP 350 or MASH and current FHWA directives, the requirements of this Section, and be listed on the APL. Manufacturers seeking evaluation must submit certified test reports showing that their product meets all test requirements set forth by NCHRP 350 or the MASH. Manufacturers seeking evaluation of Category I devices for inclusion on the APL shall include the manufacturer's self-certification letter. Manufacturer's seeking evaluation of Category II and Category III devices for inclusion on the APL shall include the FHWA WZ numbered acceptance letter with attachments and vendor drawings of the device in sufficient detail to enable the Engineer to distinguish between this and similar devices. For devices requiring field assembly or special site preparation, vendor drawings shall include all field assembly details and technical information necessary for proper application and installation. Vendor drawings for Category III devices and automated flagger assistance devices (AFADs) must be signed and sealed by a Professional Engineer registered in the State of Florida. Manufacturers seeking evaluation of Category IV devices for inclusion on the APL must comply with the requirements of Section 990 and include detailed vendor drawings of the device along with technical information necessary for proper application, field assembly and installation.

SUBARTICLE 990-10.1 is deleted and the following substituted:

**990-10.1 General:** AFAD's shall meet the physical display and operational requirements in the MUTCD and be listed on the APL. Manufacturers seeking evaluation of their product for the APL must ~~submit an application in accordance with Section 6 and~~ include detailed vendor drawings showing typical application of the device in accordance with Standard Plans, Index ~~No.~~102-603.

SECTION 990 is expanded by the following new Articles:

**990-11 Temporary Barrier.**

Producers of temporary concrete barrier seeking inclusion on the Department's Production Facility Listing shall meet the requirements of Section 105.

Manufacturers seeking evaluation of proprietary temporary barrier systems for inclusion on the APL must ~~be~~meet the NCHRP Report 350 TL-3 criteria or MASH TL-3 ~~compliant~~criteria and submit the following:

1. Product drawings, which at a minimum must include:
   a. Freestanding and anchored details, as appropriate
   b. Section views and tables showing required setback distance (deflection space) for all installation configuration options

c. Alignment and Length of Need requirements
d. Transition and overlap details
End treatment details
2. Installation manuals
3. Crash testing reports
4. All relevant FHWA Eligibility Letters

**990-12 Temporary Crash Cushion (Redirective or Gating).**

Manufacturers seeking evaluation of crash cushions for inclusion on the APL must ~~be~~meet the NCHRP Report 350 TL-2 or TL-3 criteria, or MASH TL-2 or TL-3 ~~compliant~~criteria and submit the following:

1. Product drawings, which at a minimum must include:
   a. Anchorage details for both the crash cushion and abutting temporary barrier
   b. Tables showing the relevant system information and lengths for all options
   c. Length of need location
   d. Transition details
   e. List of all components
2. Installation manuals
3. Crash testing reports
4. All relevant FHWA Eligibility Letters

**TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS.**
**(REV 12-19-17)**

ARTICLE 990-1 is deleted and the following substituted:

**990-1 General.**

This Section specifies the material requirements for temporary traffic control devices. All temporary traffic control devices must meet the requirements of NCHRP 350 or MASH and current FHWA directives, the requirements of this Section, and be listed on the APL. Manufacturers seeking evaluation must submit certified test reports showing that their product meets all test requirements set forth by NCHRP 350 or the MASH. Manufacturers seeking evaluation of Category I devices for inclusion on the APL shall include the manufacturer's self-certification letter. Manufacturer's seeking evaluation of Category II and Category III devices for inclusion on the APL shall include the FHWA WZ numbered acceptance letter with attachments and vendor drawings of the device in sufficient detail to enable the Engineer to distinguish between this and similar devices. For devices requiring field assembly or special site preparation, vendor drawings shall include all field assembly details and technical information necessary for proper application and installation. Vendor drawings for Category III devices and automated flagger assistance devices (AFADs) must be signed and sealed by a Professional Engineer registered in the State of Florida. Manufacturers seeking evaluation of Category IV devices for inclusion on the APL must comply with the requirements of Section 990 and include detailed vendor drawings of the device along with technical information necessary for proper application, field assembly and installation.

SUBARTICLE 990-10.1 is deleted and the following substituted:

**990-10.1 General:** AFAD's shall meet the physical display and operational requirements in the MUTCD and be listed on the APL. Manufacturers seeking evaluation of their product for the APL must include detailed vendor drawings showing typical application of the device in accordance with Standard Plans, Index102-603.

SECTION 990 is expanded by the following new Articles:

**990-11 Temporary Barrier.**

Producers of temporary concrete barrier seeking inclusion on the Department's Production Facility Listing shall meet the requirements of Section 105.

Manufacturers seeking evaluation of proprietary temporary barrier systems for inclusion on the APL must meet the NCHRP Report 350 TL-3 criteria or MASH TL-3 criteria and submit the following:

1. Product drawings, which at a minimum must include:
    a. Freestanding and anchored details, as appropriate
    b. Section views and tables showing required setback distance (deflection space) for all installation configuration options
    c. Alignment and Length of Need requirements

d. Transition and overlap details
End treatment details

2. Installation manuals
3. Crash testing reports
4. All relevant FHWA Eligibility Letters

**990-12 Temporary Crash Cushion (Redirective or Gating).**

Manufacturers seeking evaluation of crash cushions for inclusion on the APL must meet the NCHRP Report 350 TL-2 or TL-3 criteria, or MASH TL-2 or TL-3 criteria and submit the following:

1. Product drawings, which at a minimum must include:
    a. Anchorage details for both the crash cushion and abutting temporary barrier
    b. Tables showing the relevant system information and lengths for all options
    c. Length of need location
    d. Transition details
    e. List of all components
2. Installation manuals
3. Crash testing reports
4. All relevant FHWA Eligibility Letters