

7000000 HIGHWAY SIGNING
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

"Lou Buenaventura"
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Comment: (6-17-10) (Internal Review)

700-2.6 Breakaway Support Mechanisms for Electronic Display Signs: Provide posts or posts with slip bases as shown in the plans.

This will require that the plans detail the posts and/or posts with slip bases ?

Response:

David O'Hagan
State Roadway Design Engineer

Comments: (6-17-10) (Internal Review)

These signs are currently under review for crash safety. Isn't there anything we can say about preliminary device mounting heights?

Response:

Comments: (6-16-10) (Internal Review)

From: Robertson, Robert
Sent: Wednesday, June 16, 2010 9:08 AM
To: Boyd, Charles
Cc: Powell, Jr., Rudy; Brautigam, Duane
Subject: RE: Origination Form for Section 700 changes

Where are the requirements for slip bases to be judged against for placement on the QPL? I do not see anything in here about crash tested signs, attachments, components, assemblies, etc.

Robert V. Robertson, Jr., P.E.
State Structures Design Engineer
605 Suwannee St., MS 33
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From: Boyd, Charles
Sent: Wednesday, June 16, 2010 8:27 AM
To: Robertson, Robert
Subject: FW: Origination Form for Section 700 changes

Robert,

As I read these proposed changes, I don't see much evaluation criteria for crashworthiness. Looks to me like this is where the Mark Bloschock "manual" would be used. Some spec changes may be needed later once the "manual" is finished to make sure the spec and our evaluation criteria match up.

Charles E. Boyd, P.E.
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Response:

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Comments: (7-8-10)

The new verbiage contained in Subarticle 700-3.9 states "Ensure signs have a manufacturer's guarantee..." Most manufacturers only offer warranties on their products. Shouldn't the verbiage be revised to read "Ensure signs have a manufacturer's warranty..."? The Department requests transferrable warranties for manufactured items having such available.

Response:

Mark Plass, P.E.
District Traffic Operations Engineer
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Comments: (7-7-10)

The addition to Section 700-1 relating to Electronic Signs seems to be missing some words. There is not a logical connection (it might just be me!) between the reference to electronic signs being considered traffic control devices and the reference to mounting locations/method (i.e. mast arm, span wire).

Response:

David Price
President, Roadway Specialty Devices, Inc.
www.roadwayspecialty.com

Comments: (7-20-10)

The only comment I have is for the LOGO signs. It appears the FDOT wants to add a not to notify the FDOT 30 days prior to removal. I think the terminology should read to something like this:

“Inform the FDOT or the CEI on the project a MINIMUM of 30 day in advance of the removal of the LOGO signs.”

The reason is that signs are typically the last thing to be installed/removed from the project and many times last minute. Signs are typically a SUBCONTRACTOR also and cannot predict the Prime’s schedule. Putting the terminology “minimum” give the contractor/subcontractor some latitude. As early as the PRECON, the contractor can notify the FDOT/CEI at that time.

Just a suggestion.

Response:

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Comments: (7-7-10)

I have reviewed the above referenced industry review specifications standards. I have no further comments except to ensure that the term “MSTCSD” is defined in the provision/standard.

Response:

Eddy Scott
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Specifications / Design Review
Quality Assurance Manager
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Comments: (date)

In reference to section 700 there appears to be an omission concerning pay item 700-90-AB Sign, Flashing Beacon. The BOE details states the following: “Includes the complete sign, flashing beacon, flashing beacon controller, support and any foundation required. Conduit, conductors, pull boxes and service point equipment, if required to get power to the sign, are not

covered by this item. Includes all components listed in the Standards and all external conduit and conductors for the service”. In looking at section 700-11 Method of Measurement and 700-12 Basis of Payment neither flashing beacon nor flashing beacon controller are mentioned. Suggest inserting wording to the end of 7-11 stating “(6) The number of flashing beacon signs of each designated class of assembly, complete”. Suggest inserting language after “connection by others;” 7-12 stating “for flashing beacon signs, all costs of the electrical installation for flashing beacon, up to the point of connection by others, flashing beacon(s), flashing beacon controller;”

Typically we use this pay item 700-90-AB for the following assemblies which are described in the BOE as everything on that assembly from the foundation up:

Span Wire School Flashing Beacons, the assembly includes 2 sign panels, 2 or 3 flashing beacons, 1 controller, span wire, 2 strain poles, etc.

Ground Mounted Flashing Beacons for Schools, Stop, Rail Road and Warning sign applications, the assembly includes 1 or 2 sign panels, 1 or 2 flashing beacons, 1 controller, sign support, foundation, etc.

Overhead Mount School Flashing Beacons, the assembly includes 1 sign panel, 2 flashing beacons, 1 controller, mast arm, foundation, etc.

As always thanks for the opportunity to comment,

Response:

Gordon Wheeler, PE
Assistant State Utilities Engineer
Florida DOT
605 Suwannee St, MS 32
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Comments: (7-27-10)

I recommend spelling out the acronyms.

700-3.9 Electronic Display Signs (EDS): Use electronic display signs and mounting hardware meeting the requirements of the Minimum Specifications for Traffic Control Devices (MSTCSD) and listed on the Department’s Approved Products List.

Response:

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Comments: (8-2-10)

In reference to spec. 700 Highway Signing, I did have one comment in 700-1. The last sentence of the first paragraph may be able to be omitted if the previous sentence read as follows, “All overhead cantilever and truss mounted signs are to be lighted and retroreflective unless otherwise noted.”

Response:

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Resident Final Estimates Specialist
Leesburg Operations
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Comments: (8-2-10)

Please read my notes below, in black, with yellow high-light adjacent:

700-3.9 Electronic Display Signs: Use electronic display signs and mounting hardware meeting the requirements of the MSTCSD and listed on the Department’s Approved Products List.

Would the sentence be better written as follows:

700-3.9 Electronic Display Signs: Use electronic display signs with mounting hardware that meets the requirements of the MSTCSD and that are listed on the Department’s Approved Products List.

There is a period missing at the end of the following sentence:

Use only new signs and mounting hardware

Would the following statement be better as two sentences:

Provide signs marked in accordance with Section 603 and ensure the markings are visible after installation.

Provide signs marked in accordance with Section 603. Ensure the markings are visible after installation.

There seems to be something wrong with the grammar here:

Provide installation guides and operator’s manuals from the manufacturer with descriptions of the operation and use and hardware such as functional block diagrams and wiring diagrams; with information required to operate, maintain, troubleshoot, and repair the EDS; and with recommended maintenance and calibration procedures.

Would the whole paragraph be better written as follows:

Provide manufacturer’s installation guides and operator’s manuals which graphically describe, such as functional block diagrams, the use of hardware, along with wiring diagrams; with text that describes the operation, maintenance, repair calibration and troubleshooting procedures.

There seems to be something wrong with the grammar here:

Ensure signs have a manufacturer’s guaranty meeting the requirements of Section 608 and covering defects in assembly, fabrication, and materials for a minimum of three years from the date of final acceptance in accordance with 5-11.

Would the whole paragraph be better written as follows:

Ensure signs manufacturer’s guaranty meets the requirements of Section 608 and that it covers, for a minimum period of three years from the date of final acceptance, defects in assembly, fabrication and materials, in accordance with 5-11.

Response:

Chris Sweitzer
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Comments: (8-3-10)

The wording of the new text does not appear to read correctly. Should there be an "as" at the end of the first line? If they are classified as traffic control signals, wouldn't it be more appropriate to include them in the 600 series of Specifications?

Response:

Comments: (date)

Response:
