



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

July 27, 2012

****REVISED****

ROADWAY DESIGN BULLETIN 12-11
DESIGN STANDARDS REVISION R1302(Revised)
DESIGN STANDARDS REVISION R2013-01
DCE MEMORANDUM 21-12
STRUCTURES DESIGN BULLETIN 12-09
ESTIMATES BULLETIN 12-07
(FHWA Approved: 7/27/2012)

TO: DISTRICT DESIGN ENGINEERS
DISTRICT CONSTRUCTION ENGINEERS
PLANS PREPARATION MANUAL HOLDERS

FROM: Duane Brautigam, P.E., Director, Office of Design
David A. Sadler, P.E., Director, Office of Construction
Robert V. Robertson, P.E., State Structures Design Engineer
Phillip Greg Davis, P.E., State Estimates Engineer

CC: Brian Blanchard, Tom Byron, Duane Brautigam, Tim Lattner, Rudy Powell, Bob Burleson, Chris Richter, Chad Thompson, Heather Dean, Rafiq Darji

SUBJECT: BARRIER AND TRAFFIC RAILING MOUNTED SIGNS
DESIGN STANDARDS REVISION (R1302), DATED JULY 1, 2012

BACKGROUND:

As a follow-up to Roadway Design Bulletin 12-05 and Structures Design Bulletin 12-03, titled "Median Traffic Railing Mounted Signs", the Department has developed a design standard for single post median barrier mounted sign supports. Design Standard Index No. 11871 is the new design standard that addresses installing permanent and temporary sign supports on both permanent and temporary barriers and traffic railings.

DESIGN REQUIREMENTS:

For permanent signs, Index 11871 can only be used for the following signs which are considered critical to safety: No U-Turns (R3-1) w/ Official Use Only (FTP 65-06), Left Lane Ends (W9-1), Lane Ends Merge Right (W9-2) and Merge Symbol (W4-2).

For all temporary/work zone signs, when Index 600 cannot be achieved for post mounted signs and barrier or traffic railing exists, Index 11871 shall be used.

Existing barrier mounted signs that are encountered and have not been installed using criteria provided in Roadway Design Bulletin 12-05 or Index 11870 shall be removed and shall meet the requirements of the bulletin and the new standard.

Index 11871 can only be used to mount permanent signs to shoulder traffic railings if there is insufficient space for Index 11870, and the sign is critical to safety. Otherwise, Design Standard Index 11870 shall be used.

DESIGN IMPLEMENTATION:

These requirements may be implemented immediately on all projects LET prior to January 2013 at the discretion of the District. These changes are required for all projects with LET dates after January 1, 2013.

New Index Drawings and Design Standards Revisions can be accessed at the following web site: <http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>

The Notes section of **Design Standards**, Index 11871 Single Post Median Barrier Mounted Sign Support (attached) is amended by adding the underlined text below:

Adhesive Bonding Material: Install anchor rods using Type HSHV Adhesive Bonding Material System in accordance with Specification Sections 416 & 937. For temporary sign support installations, the use of a metal detector specifically designed for locating steel in concrete is not required to locate existing reinforcement as stated within Specification Section 416-4. For temporary sign support installations, Specification Section 416-6 is not required. For permanent sign support installations, Specification Section 416-6 applies with the exception of the following: Perform field test on only one anchor per sign support location.

CONSTRUCTION IMPLEMENTATION:

Use Design Standard, Index 600, Sheets 6 and 7 to install post mounted temporary/work zone signs. If Index 600 cannot be achieved and temporary or permanent barrier or traffic railings exist, use Index 11871.

Post mounting by straddling the barrier will no longer be allowed. Existing sign supports straddling the barrier can remain. If the temporary sign support attachments to barriers or traffic railings have not been installed using criteria provided in Roadway Design Bulletin 12-05 or Index 11870, require the Contractor to remove and replace them using Index 11871. If there are existing, permanent sign support attachments to barriers or traffic railings other than those using Index 11870 or Roadway Design Bulletin 12-05, coordinate with the District Traffic Operations Engineer to determine if the sign should be removed or remain.

For active construction projects LET prior to July 31, 2012, this memorandum serves as a blanket approval to process a contract change and should be attached to the Work Order or Supplemental Agreement to install temporary and/or permanent signs on barrier or traffic railing.

PAYMENT:

Payment for temporary/work zone signs will be made under the existing pay item 102-60- Work Zone Sign, per each. Payment for permanent signs will be made under pay item 700- 20-AB, where A=2 (Furnish and Install Barrier Mount).

CONTACTS:

For design related issues, contact: Chester Henson at 850-414-4117 or
Chester.Henson@dot.state.fl.us

For construction related issues, contact: Stefanie Maxwell at 850-414-4314
Stefanie.Maxwell@dot.state.fl.us



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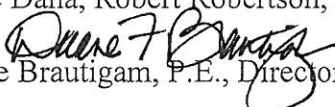
605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: July 18, 2012

TO: Bruce Dana, Robert Robertson, Bob Crim and John Krause

FROM:  Duane Brautigam, P.E., Director, Office of Design

COPIES: Ananth Prasad, Brian Peters, , Brian Blanchard, Comptroller

RE: **DELEGATION OF SIGNATURE AUTHORITY**

The following list established the priority for signature authority during my absence from the office for periods of one day or longer. This authorization includes all documents requiring the signature of the Director, Office of Design with the exception of personnel actions and out of state travel.

1. Robert Robertson, State Structures Engineer
2. John Krause, State Surveyor
3. Bob Crim, Manager, Production Support
4. Bruce Dana, Manager, Engineering CADD Office

This memo supersedes any previous authorization and shall remain in effect until rescinded by me.

