



Florida Department of Transportation

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SECRETARY

STRUCTURES DESIGN BULLETIN 16-04

(FHWA Approved: March 25, 2016)

DATE: March 28, 2016

TO: District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Construction Engineers, District Structures Design Engineers, District Structures Maintenance Engineers, Structures Manual Holders

FROM: Robert V. Robertson, P.E. State Structures Design Engineer

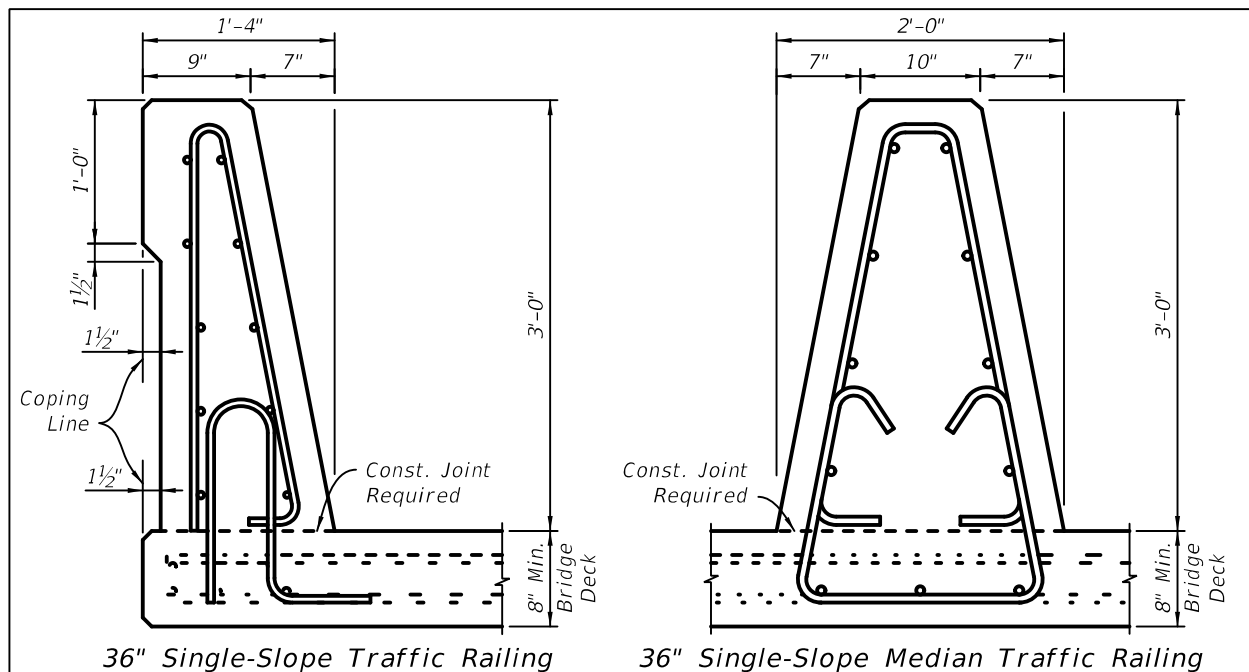
COPIES: Brian Blanchard, Tim Lattner, David Sadler, Rudy Powell, Amy Tootle, Daniel Scheer, Bruce Dana, Gregory Schiess, Trey Tillander, SDO Staff, Jeffrey Ger (FHWA)

SUBJECT: Single-Slope Traffic Railings for Bridges

This bulletin supplements [Structures Design Bulletin 16-03](#) MASH-16 Implementation Plan.

REQUIREMENTS

Use the 36" Single-Slope Traffic Railing and 36" Single-Slope Median Traffic Railing as shown in the following figure in lieu of *Design Standards* Index 420 Traffic Railing (32" F Shape) and Index 421 Traffic Railing (Median 32" F Shape), respectively.



COMMENTARY

The reinforcing steel shown in the above figure is for illustrative purposes only. The reinforcing steel configurations will be refined and finalized for inclusion in new *Design Standards* that will replace the current versions of *Design Standards* Index 420 Traffic Railing (32" F Shape) and Index 421 Traffic Railing (Median 32" F Shape). These new *Design Standards* will first be released as *Developmental Design Standards* Indexes D426 and D427 for early implementation when appropriate.

The bridge deck reinforcing requirements currently shown in *Structures Design Guidelines (SDG)* Section 4.2.5 and the dead loads currently shown in *SDG* Table 2.2-1 will be revised to address the use of these new traffic railings. Only minor changes to the values shown in *SDG* Table 4.2.5-1 are anticipated.

Another supplementary bulletin will be issued no later than June 30, 2016 to release the new *Developmental Design Standards* and design criteria.

BACKGROUND

See [Structures Design Bulletin 16-03](#).

IMPLEMENTATION

These requirements are effective on design-bid-build projects with a letting date of July 1, 2018 and later. The new *Developmental Design Standards* Indexes D426 and D427 will be available no later than June 30, 2016 for earlier implementation on all other design-bid-build projects at the discretion of the District.

These requirements are effective on design build projects with advertisement dates after January 1, 2017. Other design build projects are exempt from these requirements unless otherwise directed by the District.

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