



## Florida Department of Transportation

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### STRUCTURES DESIGN BULLETIN 12-12

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TO: District Directors of Production, District Design Engineers, District Construction Engineers, District Structures Design Engineers

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

COPIES: Brian Blanchard, Tom Byron, Duane Brautigam, David Sadler, Steve Duke, Charles Boyd, Jeffrey Ger (FHWA)

SUBJECT: Bridge Welding Inspection Requirements in the *Structures Detailing Manual*

### REQUIREMENT

Delete *Structures Detailing Manual*, Paragraph 5.3.D.1 and insert the following:

1. Perform non-destructive testing on welds as required by the current edition of the AASHTO/AWS D1.5 Bridge Welding Code.

### COMMENTARY

The current example note shown in *Structures Detailing Manual*, Paragraph 5.3.D.1 requires the use of radiographic inspection for welds that must be non-destructively tested except where geometric restrictions preclude its use. The current *Specification* Section 460-6.2 however only refers to AASHTO/AWS D1.5 for inspection requirements for welds on non-dynamically loaded elements. In addition, *Specification* Section 460-6.3 requires both radiographic and ultrasonic inspection per AASHTO/AWS D1.5 for members welded using electroslag welding.

The above change to the example note shown in the *Structures Detailing Manual* is needed to simplify it and make it compatible with the *Specifications* and AASHTO/AWS D1.5. By adopting the inspection criteria that is in AASHTO/AWS D1.5, significant time and money should be saved by the Department and Fabricators with no reduction in the quality of the product to be delivered.

## **IMPLEMENTATION**

This requirement is effective on projects not yet executed. Projects already underway should incorporate the new requirement when deemed appropriate and where minimal revision to the existing plans is necessary.

## **CONTACT**

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