

ORIGINATION FORM

Date: 09/13/12

Originator: Gevin McDaniel

Contact Information: gevin.mcdaniel@comcast.net

Specification Title: INSTALLING ADHESIVE-BONDED ANCHORS AND DOWELS FOR STRUCTURAL APPLICATIONS

Specification Section, Article, or Subarticle Number: 416-6.1.1

Why does the existing language need to be changed? Existing language needs clarification to ensure proper interpretation of applicability.

Summary of the changes: Language in first sentence of Section 416-6.1.1 is modified to clarify that the field testing is required only for installations of traffic railing on concrete pavement. Some misinterpretations have been that this applies to anything connecting to a traffic railing such as a sign post.

Are these changes applicable to all Department jobs? Yes
If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? No
If yes, what is the estimated change in costs?

With who have you discussed these changes? Charles Boyd, Stefanie Maxwell, Steve Nolan, Robert Robertson

What other offices will be impacted by these changes? None

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? No

Contact the State Specifications Office for assistance in completing this form.
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ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: September 26, 2012

TO: Specification Review Distribution List

FROM: Trey Tillander, State Specifications Engineer

SUBJECT: Proposed Specification: **4160601 Installing Adhesive-Bonded Anchors and Dowels for Structural Applications.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Gevin McDaniel of the State Structures Design Office to clarify that the field testing is required only for installations of traffic railing on concrete pavement. Some misinterpretations have been that this applies to anything connecting to a traffic railing such as a sign post.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at SP965TT or trey.tillander@dot.state.fl.us. Comments received after **October 24, 2012**, may not be considered. Your input is encouraged.

TT/cah
Attachment

INSTALLING ADHESIVE-BONDED ANCHORS AND DOWELS FOR STRUCTURAL APPLICATIONS.

(REV 9-13-12)

SUBARTICLE 416-6.1.1 (Page 428) is deleted and the following substituted:

416-6.1.1 Adhesive-Bonded Anchors: Field test installed anchors and dowels for *applications connecting traffic railings to bridge decks, approach slabs and concrete pavement applications* using Type HSHV adhesives. The Engineer may also require testing of installed anchors and dowels for other applications.

Test individual anchors and dowels by proof loading in tension to 85% of the specified bond strength in accordance with Section 937 based on the nominal anchor or dowel diameter and embedment depth, but not more than 90% of the yield strength of the anchor or dowel, unless otherwise shown in the Contract Documents.