



# Florida Department of Transportation

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GOVERNOR

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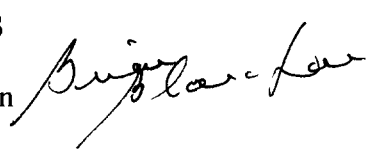
DENVER J. STUTLER, JR.  
SECRETARY

November 13, 2006

**This memo has expired**

**DCE MEMORANDUM NO.: 23-06**  
**(FHWA Approved: 11/9/06)**

**TO:** DISTRICT CONSTRUCTION ENGINEERS

**FROM:** Brian Blanchard, Director Office of Construction 

**COPIES:** William Nickas, Duane F Brautigam, District Design Engineers, District Structures Design Engineers, Chris Richter (FHWA), Greg Williams (FHWA), Bob Burleson (FTBA)

**SUBJECT: CLARIFICATION FOR THE SELECTION AND INSTALLATION OF ADHESIVE-BONDED ANCHOR BOLTS FOR TYPE K TEMPORARY CONCRETE BARRIERS**

This memo brings to attention the provisions of the 2006 FDOT Design Standard Index No. 414 "Type K Temporary Barrier" (and prior to 2006, the FDOT Structures Design Office's Standard Drawings Index No. 715 "Temporary Traffic Railing Barrier") regarding the selection and installation of adhesive-bonded anchor bolts used to install Type K Temporary Barriers. The size and ASTM designations for the anchor bolts, nuts and washers, and the adhesive bonding material systems for the anchor bolts shall be in accordance with above referenced Standards, and deviations are not allowed. As stated in the above referenced Standards, anchor bolts must not be installed on both sides of the barrier units.

The reason that the above referenced Standard provisions must be adhered to, is that any deviation from the above referenced barrier anchoring requirements could invalidate the crashworthiness of the Type K Temporary Concrete Barrier System, which is an FHWA requirement. Therefore, in order to maintain crashworthiness of the system, do not substitute different grades, sizes, shapes or types of reinforcing steel for those shown for constructing Type K Barrier Units. Also, do not substitute different type, size, length or material grade anchor bolts, nuts, washers, adhesives, connector pins, stakes, keeper pins, or guardrail components for installing Type K Barrier Units.

Any questions pertaining to this matter should be directed to Jeff Pouliotte at (850) 414-4146.

BB/pw