



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

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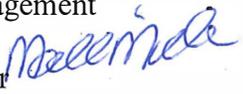
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Michael R. Pence, Governor
Brandye L. Hendrickson,
Commissioner

May 1, 2015

CONSTRUCTION MEMORANDUM 15-07 (REVISED)

TO: District Deputy Commissioners
District Construction Directors
District Technical Services Directors
District Area Engineers
District Project Management Director
Project Management Director
District Traffic Engineers
District Testing Engineers
District LPA Coordinators
Project Engineers/Supervisors
Field Engineers
Office of Material Management

FROM: Mark A. Miller, Director 
Division of Construction Management and District Support

SUBJECT: Temporary Anchored Traffic Barrier

At present, INDOT's methods for anchoring temporary traffic barrier have not been crash test approved. Because of this, the anchoring systems shown on standard drawings will no longer be allowed. **Where an anchored temporary traffic barrier is required, only devices meeting NCHRP 350 or MASH crash testing are acceptable. The FHWA eligibility letter must be received by the Engineer prior to placing the barrier.**

Until such time that the new Temporary Concrete Barrier Anchorage standard drawing has been issued, Recurring Special Provision 801-T-207 will be inserted into all contracts containing anchored temporary traffic barrier. This special provision will be in effect for the letting of May 7, 2015.

MAM/REG

801-T-207 TEMPORARY TRAFFIC BARRIERS

(Revised 05-01-15)

The Standard Specifications are revised as follows:

SECTION 801, BEGIN LINE 412, DELETE AND INSERT AS FOLLOWS:

~~Type 1 and type 3 precast units which have previously been cast meeting earlier Department standards may be used. The Contractor will be allowed to mix type 1 and type 3 units in a run as long as the units are in good condition and the connecting devices are compatible. If units meeting earlier Department standards are used, a 1 in. bolt will be allowed to link the units together. The spacer detail shall, however, be in accordance with the current standard. Units cast after March 1, 2003 shall be linked with the 1 1/4 in. bolt.~~

Type 2 temporary traffic barriers shall be connected as recommended by the barrier manufacturer.

(c) Anchorage

~~Type 1 and type 3 temporary traffic barriers shall be anchored in accordance with the methods shown on the plans, at the locations described herein. Type 2 barriers shall be anchored as recommended by the barrier manufacturer and at locations described herein. Temporary concrete traffic barriers shall be anchored when located on or within 60 ft of a bridge, and along tapered alignments at the locations shown on the plans. Anchoring at locations in addition to those described herein will shown shall be required when directed. Anchoring shall be in accordance with the NCHRP 350 or MASH crash test. The FHWA eligibility letter shall be provided to the Engineer prior to placing the barrier.~~

Chemical anchor systems with removable bolts, or mechanical anchors may be used to anchor ~~type 1~~ barriers to bridge decks, concrete pavement, and concrete shoulders. Mechanical anchors may be ferrous or non-ferrous material. ~~All anchors shall have a shear strength of 10,000 lb and an ultimate pullout strength of 6,500 lb.~~
