



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 15-11 Technical Advisory

May 1, 2015

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/Elizabeth W. Phillips
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Bridges Division

SUBJECT: Anchored Temporary Concrete Barrier

EFFECTIVE: Lettings on or after May 1, 2015

Effective with lettings on or after May 1, 2015, INDOT will require that anchored temporary concrete barriers meet the appropriate Test Level 2 or 3 NCHRP 350 or Manual for Assessing Safety Hardware (MASH) crash test standards and be eligible for reimbursement by the Federal Highway Administration (FHWA). The FHWA-maintained list of eligible temporary barriers can be found at http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/barriers/ - select Temporary Concrete Barriers/Steel Barriers from the pull down menu.

The details shown in INDOT *Standard Drawing* 801-TCCB-04, Temporary Concrete Barrier Anchorage, dated September 2002, have not been crash test approved. Therefore, the 2014 and 2015 INDOT *Standard Drawing* 801-TCCB-04 dated September 2002 has been deleted and replaced with the crash test requirements contained in this memo.

Recurring Special Provision (RSP) 801-T-207, as identified in Construction Memo 15-07, will be added to all contracts that include at least one of following pay items:

801-08507	TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED
801-08508	TEMPORARY TRAFFIC BARRIER, TYPE 2, ANCHORED
801-08509	TEMPORARY TRAFFIC BARRIER, TYPE 3, ANCHORED
801-08510	TEMPORARY TRAFFIC BARRIER, TYPE 4, ANCHORED

In practice, the effect of these requirements is that temporary concrete barrier combined with anchorage details previously shown in the referenced Standard Drawing may not be used to fulfill the requirements of the pay item Temporary Traffic Barrier, Type ____, Anchored, regardless of type. Plan details replicating the Standard Drawing anchorage methods (L-shaped steel plate or alternate bridge floor method) should be removed; however, the RSP will hold over the plans in case of a discrepancy.

INDOT's unanchored temporary concrete barrier meets the Test Level 3 requirements of NCHRP 350 and is not affected by this memo. Its FHWA eligibility letter code is B-84.