


To:		New York State Department of Transportation <b>ENGINEERING BULLETIN</b>	<b>EB 10-034</b>
		Expires one year after issue unless replaced sooner	
Title: <b>BOX BEAM STIFFENING OF TEMPORARY CONCRETE BARRIER</b>			
Distribution:		Approved:	
<input checked="" type="checkbox"/> Manufacturers (18)	<input type="checkbox"/> Surveyors (33)	/s/J.F. Tynan James F. Tynan, P.E. Deputy Chief Engineer (Construction)	8-31-10
<input checked="" type="checkbox"/> Local Govt. (31)	<input checked="" type="checkbox"/> Consultants (34)		Date
<input checked="" type="checkbox"/> Agencies (32)	<input type="checkbox"/> Contractors (39)		
	<input type="checkbox"/> _____ ( )		

**ADMINISTRATIVE INFORMATION:**

- This Engineering Bulletin (EB) is effective beginning with projects submitted for the letting of 01/06/11.
- This EB does not supersede any previous issuances.
- This standard sheet will be incorporated into the next complete printing of the Standard Sheets.

**PURPOSE:**

The purpose of this EB is to issue Standard Sheets *619-01 Temporary Concrete Barrier (Sheet 3 of 3)* and *M619-72 Box Beam Stiffening of Temporary Concrete Barrier*.

**TECHNICAL INFORMATION:**

- Box Beam Stiffening of Temporary Concrete Barrier is an option to limit the deflection of temporary concrete barrier to 2.2 feet for standard impact conditions (5000# pickup impacting at 62 mph and a 25° angle). Without box beam stiffening, the deflection was 3.3 feet. With all segments pinned and no box beam stiffening, the deflection was 0.7 feet.
- Standard Specification Section 619 will subsequently be modified to include construction details and separate payment items for Box Beam Stiffened Temporary Concrete Barrier. In the interim, if a designer plans to use this detail, he/she must submit a special specification to the Design Quality Assurance Bureau, Specification and Standards Section for approval. Contact Terry Hale at [terry.hale@dot.state.ny.us](mailto:terry.hale@dot.state.ny.us) or (518) 485-7009 for assistance.
- Standard Sheets 619-01, 1 of 2 and 2 of 2 will be renumbered to 1 of 3 and 2 of 3 on the website, but will not be reissued.

**TRANSMITTED MATERIALS:**

Standard Sheets *619-01 Temporary Concrete Barrier (Sheet 3 of 3)* and *M619-72 Box Beam Stiffening of Temporary Concrete Barrier* are available on the IntraDOT and the Department's website at: <https://www.nysdot.gov/main/business-center/engineering/cadd-info/drawings>

**BACKGROUND:**

In 2007, research was conducted on a concept to reduce the deflection of TCB without the need to pin units into the pavement or a bridge deck. The concept involved bolting 12 foot lengths of 6" x 6" box beam on the back side of the TCB, spanning across the joints.

**CONTACT:**

For additional information contact Terry Hale of the Design Quality Assurance Bureau at (518) 485-7009, [thale@dot.state.ny.us](mailto:thale@dot.state.ny.us) or Tom Melander of the Office of Construction at (518) 457-6472, [tmelander@dot.state.ny.us](mailto:tmelander@dot.state.ny.us).