

SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		<i>New York State Department of Transportation</i> ENGINEERING BULLETIN	EI 13-024								
Title: NEW ITEMS FOR: TRANSITION BETWEEN HALF-SECTION AND FULL-SECTION SINGLE SLOPE CONCRETE BARRIER											
Target Audience: <table border="0"> <tr> <td>☒ Manufacturers (18)</td> <td>☐ Surveyors (33)</td> </tr> <tr> <td>☐ Local Govt. (31)</td> <td>☒ Consultants (34)</td> </tr> <tr> <td>☒ Agencies (32)</td> <td>☒ Contractors (39)</td> </tr> <tr> <td></td> <td>☐ _____ ()</td> </tr> </table>		☒ Manufacturers (18)	☐ Surveyors (33)	☐ Local Govt. (31)	☒ Consultants (34)	☒ Agencies (32)	☒ Contractors (39)		☐ _____ ()	Approved:  Richard W. Lee, P.E. Acting Deputy Chief Engineer, Design 11/29/13 Date	
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ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of May 8, 2014.
- This EI does not supersede any other issuance.

PURPOSE: The purpose of this EI is to announce new pay items for the transition between half-section and full-section single slope concrete barrier.

TECHNICAL INFORMATION:

- Two new items have been added as transitions between half-section and full-section single slope concrete barrier shapes.
 - 606.9003 Transition between Half-Section and Full-Section Single Slope Concrete Barrier (Left Pocket)
 - 606.9004 Transition between Half-Section and Full-Section Single Slope Concrete Barrier (Right Pocket)
- A pocket is required on the end adjacent to the half-section single slope barrier to accommodate the use of a continuity connection. "Left Pocket" and "Right Pocket" will be determined from the pocketed side of the barrier, the side away from traffic.
- The standard length of the transition piece is 10 feet. If situations require longer lengths, lengths up to 24 feet may be supplied.
- Regardless of the length supplied, the pay limit for the transition will be 10 feet. For longer lengths, the balance will be paid as full-section single slope concrete barrier.
- The subject transition may be butted directly to the half-section end of a transition from steel guide rail to half-section single slope concrete barrier.

TRANSMITTED MATERIALS: Metric and USC Standard Specification revisions are attached.

BACKGROUND: The Department recently (EI 13-005) revised its pier protection requirements to move from 32 inch Jersey barrier to 42 inch single slope concrete barrier, typically as full-section barrier. However, the existing transition details from steel box beam and HPBO guide rail to single-slope barrier were only available to half-section single-slope concrete barrier. A transition detail was needed from half-section to full-section single slope concrete barrier.

CONTACT: Direct questions regarding this issuance to Terry Hale of the Office of Design at (518) 485-7009 or via e-mail at Terry.Hale@dot.ny.gov.

TRANSITION: HALF- TO FULL-SECTION SINGLE SLOPE CONCRETE BARRIER

Make the following change to both the (metric) Standard Specifications of May 4, 2006 and the (US Customary) Standard Specifications of May 1, 2008:

In the item list for Section 606- GUIDE RAILING, **ADD** the following two items:

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|-----------|---|------|
| "606.9003 | Transition between Half-Section and Full-Section Single Slope Concrete Barrier (Left Pocket) | Each |
| 606.9004 | Transition between Half-Section and Full-Section Single Slope Concrete Barrier (Right Pocket) " | Each |