

To: SUPERSEDED BY EI 13-010 EFFECTIVE 5/8/14		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 00-040
Title: TRANSITION BETWEEN HPBO CORRUGATED BEAM GUIDE RAILING AND CONCRETE BARRIER			
Distribution: ☒ Manufacturers (18) ☒ Surveyors (33) ☒ Main Office (30) ☒ Consultants (34) ☒ Local Govt. (31) ☒ Contractors (39) ☒ Regions/Agencies (32) ☐ _____ ()		Approved:  Phillip Clark, Deputy Chief Engineer, Design Division 11/15/00 Date	

ADMINISTRATIVE INFORMATION. This Engineering Instruction is effective with projects submitted for the letting of 05/03/01. If designers decide to incorporate these details with a project having an earlier letting date, they must provide the shelf note established in this Engineering Instruction and the Standard Sheets established in the EB 00-075. No Engineering Instructions are superseded hereby.

PURPOSE. The purpose of this Engineering Instruction is to establish new pay items for standard and rustic transitions between heavy post blocked-out corrugated beam guide railing and concrete half section barriers (both single slope and jersey shape.)

TRANSMITTED MATERIALS. Shelf note titled "HPBO Guide Rail Transitions" establishing two new pay items:

- 606.8707 M: Transition Between Concrete Half Section Barrier and HPBO Corrugated Beam Guide Railing.
- 606.8757 M: Transition Between Concrete Half Section Barrier and HPBO Corrugated Beam Guide Railing Barrier (Rustic.)

BACKGROUND. The transition detailed is approved for NCHRP Report 350 Test Level 4 conditions. Thus it is approved for use on all national highway system facilities. For details of the crash test and as-tested transition assembly, see the TTI report¹ on the Alaska Multi-State Bridge Rail Thrie Beam Transition.

OTHER INFORMATION. The following Standard Sheets will be transmitted separately in EB 00-075 and will apply to both the rustic and non-rustic specifications:

- ◆ M606-38 Transition Between Heavy Post Blocked-Out Corrugated Beam Guide Railing and Concrete Barrier (Sheet 1 of 2)
- ◆ M606-39 Transition Between Heavy Post Blocked-Out Corrugated Beam Guide Railing and Concrete Barrier (Sheet 2 of 2)
- ◆ M606-40 Transition Between Heavy Post Blocked-Out Corrugated Beam Guide Railing and Single Slope Half Section Concrete Barrier
- ◆ M606-41 Transition Between Heavy Post Blocked-Out Corrugated Beam Guide Railing and Half Section Concrete Jersey Barrier

ACTIONS. The attached specification change will be a main office insert into contract proposals which contain the referenced item numbers.

CONTACT PERSON. Arvind Salgam or Pratip Lahiri of the Design Quality Assurance Bureau at (518) 457-5855 and (518) 457-4090, respectively.

¹ This report was presented at the 79th Annual Meeting of TRB in Washington, D.C. January 2000. The preprint of this report titled "Transitions From Guardrail To Bridge Rail That Meet Safety Performance Requirements" authored by Buth et al. was published as Paper No. 00-0388.

HPBO GUIDE RAIL TRANSITIONS

Make the following changes to the Standard Specifications of January 2, 1995:

Page 6-39, under 606-5 BASIS OF PAYMENT, *Insert* the following after line 35 :

“606.8707 M	Transition Between Concrete Half Section Barrier and HPBO Corrugated Beam Guide Railing	Each
606.8757 M	Transition Between Concrete Half Section Barrier and HPBO Corrugated Beam Guide Railing (Rustic)	Each”