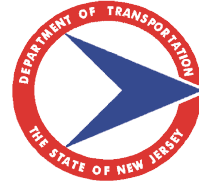


New Jersey Department of Transportation
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

Beam Guide Rail End Terminals

BDC10D-02

November 15, 2010

SUBJECT: *Revision to CD-609-5 and CD-609-8 and new CD-609-8A of the 2007 Standard Roadway Construction Details*

REFERENCE: *BDC10S- 10, Revision to Subsections 609.03 , 609.04 and 913.01 of the 2007 Standard Specifications, dated November 16, 2010*

Construction Detail sheets CD-609-5 Flared Guide Rail Terminal and Tangent Terminals; and CD-609-8 Beam Guide Rail End Treatment have been revised. Further, sheet CD-609.8A Beam Guide Rail End Treatment For Cuts has been added. This new design will provide improved crash performance for guide rail buried in cut slopes.

This BDC announcement must be read in conjunction with the referenced BDC Announcement BDC10S-10.

A summary of the revisions is as follows:

CD-609-5

- Requirement regarding direction of exit slot in CD-609-5.1 and CD-609-5.2 has been revised.
- Measurement of flared offset in CD-609-5.1 has been revised from front of rail to back of rail.

CD-609-8

- CD-609-8.4 has been eliminated; as a result, CD-609-8.5; CD-609-8.6 and CD-609-8.7 have been renumbered.

CD-609-8A (new sheet)

- A uniform rail height is maintained relative to the roadway grade until the barrier crosses the PVI.
- When the clearance from the ground line to bottom of rail exceeds 18 inches, a rubrail is added and the post length is increased to 8 feet.
- In lieu of the blockouts, a steel plate is used to attach the rail element to the last two posts.
- After the barrier crosses the PVI, the height of the barrier is transitioned to provide 1 foot of cover over the last post.
- Added pay limit for new item called BURIED GUIDE RAIL TERMINAL

Implementation Code R (ROUTINE)

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

Recommended By:

Approved By:

Original Signed by

Original Signed by

Walter McGrosky
Director,
Capital Program Support

Richard T. Hammer
Assistant Commissioner,
Capital Program Management

WM: GL: FA

Attachments: The Standard Roadway Construction Details, CD-609-5, CD-609-8 and CD-609-8A