

New Jersey Department of Transportation

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



Baseline Document Change Announcement

ANNOUNCEMENT: BDC23D-01

DATE: December 11, 2023

SUBJECT: Thrie Beam Guide Rail MASH Compliance
 - Revisions to CD-609-18, CD-609-19, and CD-609-20 of the Standard
Construction Details 2016, Roadway

Construction Detail Sheets CD-609-18, CD-609-19, and CD-609-20 have been revised to comply with MASH standards.

Description of the Changes:

CD-609-18 & CD-609-19:

- MASH TL-3 designation added to sheet titles. Modified thrie beam guide rail has successfully passed MASH TL-3 testing.
- Clarified the location of the post and rail bolts relative to the direction of traffic.
- Several component nominal dimensions updated to match the systems successfully tested to MASH TL-3 standards. Dimensions updated include Thrie Beam Rail Element and Back-Up Plate dimensions, Post Nut thickness, and Blockout shape designation.
- Several components redrawn to accurate proportions to show the systems more like they are installed.
- Dimensions, leaders, and text adjusted for legibility and clarity.

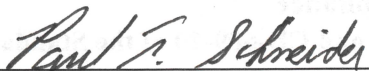
CD-609-20:

- Modified Thrie Beam Transition to W-Beam Guide Rail detail revised in accordance with guidance from the Midwest Roadside Safety Facility. Pay limit dimensions added.
- Section length added to titles for bridge attachment sections to increase clarity when referencing the sections.
- Thrie Beam to W-Beam Symmetrical Transition Section changed to 10 gauge to allow for a smoother stiffness transition between w-beam and thrie beam, in accordance with guidance from the Midwest Roadside Safety Facility.

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 addenda or postponement of advertisement or receipt of bids.

Recommended By:



Paul F. Schneider
Director
Capital Program Support

Approved By:



Parth Oza, P.E.
Assistant Commissioner
Capital Program Management
and Deputy State Transportation Engineer

PS: NE: MS