

New Jersey Department of Transportation

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

Baseline Document Change Announcement

ANNOUNCEMENT: BDC18D-07

DATE: February 1, 2019

SUBJECT: Guide Rail Standards
- **Revision to CD-607-2, CD-607-3, CD-607-5, CD-608-1, CD-609-4, CD-609-5, CD-609-7, CD-609-8, CD-609-8A, CD-609-10, CD-609-20 of the *Standard Construction Details 2016, Roadway*.**

REFERENCE: Guide Rail and Median Barriers
- **Revision to Section 8 of the *Roadway Design Manual, 2015*.**

BDC18MR-01 dated January 31, 2019

The Construction Detail Sheets CD-607-2, CD-607-3, CD-607-5, CD-608-1, CD-609-4, CD-609-5, CD-609-7, CD-609-8, CD-609-8A, CD-609-10 and CD-609-20 of the Standard Construction Details Booklet have been revised. Consequently, the Table of Content Sheet No. 1 and the Index Sheet No. 1 have been revised.

NJDOT certifies that all changes are in conformance to the following:

- Current guidance and research (simulation, crash testing, consultations, etc.) for the MASH 31" High Midwest Guide Rail System (MGS).
- Update to AASHTO Roadside Design Guide (RDG), 4th Edition 2011.
- MASH implementation for guide rail and concrete barrier curb.

DESCRIPTION OF THE CHANGES:

1. CD-607-2.1: Limits of 2" curb revised, pay limit for tangent guide rail terminal added, note added.
2. CD-607-2.6: Pay limit for beam guide rail anchorage added, note added.
3. CD-607-3.3: OPENINGS TO BE CONSTRUCTED IN BARRIER CURB detail revised.
4. CD-607-5.1: 12 1/4" dimension to existing joint deleted.
5. CD-608-1.4: Note added for dual faced guide rail.
6. CD-608-1.11: Median detail revised.

7. CD-609-4.1: Replaced detail title “GUIDE RAIL ANCHORAGE WITH CURB” with “RAIL HEIGHT TRANSITION FOR GUIDE RAIL ANCHORAGE WITH 2” VERTICAL CURB WHERE GUIDE RAIL IS OFFSET LESS THAN 4 FEET FROM THE GUTTER LINE”, note revised.
8. CD_609-5.1: Eliminated Flared Guide Rail Terminal. Added detail for Tangent Guide Rail Terminal with 2 feet offset. Replaced detail “FLARED OR TANGENT TERMINAL WITH CURB” with detail “RAIL HEIGHT TRANSITION FOR TANGENT GUIDE RAIL TERMINAL WITH 2” VERTICAL CURB WHERE GUIDE RAIL IS OFFSET LESS THAN 4 FEET FROM THE GUTTER LINE” and revised notes.
9. CD-609-7.2: Deleted reference to flared terminal.
10. CD-609-8.1: Replaced “MINIMUM FOUR 6’-3” SPACES BEFORE A FLARE OR FLARED TERMINAL” with “MINIMUM TWO 6’-3” SPACES BEFORE A FLARE”.
11. CD-609-8A.1 & CD-8A.2: Deleted reference to flared terminal in notes.
12. CD-609-10: All references to flared terminal deleted.
13. CD-609-20.1: Flared terminal deleted from note 3.

REASON FOR THE CHANGES:

The following item numbers correspond to the item numbers under “Description of the Changes.”

1. To be consistent with the detail CD-609-5 TANGENT GUIDE RAIL TERMINAL. To advise the designer to see CD-609-5 for more information.
2. To be consistent with the detail CD-609-4 BEAM GUIDE RAIL ANCHORAGE. To advise the designer to see CD-609-4 for more information.
3. To clarify reinforcement requirements.
4. The distance to the existing joint is variable.
5. To specify that the 7 inches minimum leave out dimension applies to both sides of the post for dual faced guide rail.
6. Non-vegetative surface at median guide rail detail revised to conform with median guide rail terminal.
7. Title and note revised for clarification.
8. With the implementation of MASH criteria, the modifications proposed for the flared guide rail terminal increased the gating length and reduced the offset, thereby offering no length of need advantage over the MASH approved tangent guide rail terminal. Notes revised to reflect detail revisions.
9. Flared terminal is eliminated.
10. Number of 6’-3” post spaces before a flare revised as a result of research guidance. Flared terminal is eliminated.
11. Flared terminal is eliminated.
12. Flared terminal is eliminated.
13. Flared terminal is eliminated.

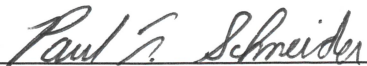
The revisions in this BDC must be read in conjunction with the referenced Roadway Design Manual BDC Announcement, BDC18MR-01.

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:



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PS: NS