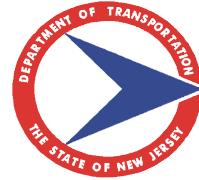


*New Jersey Department of Transportation*

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



*Baseline Document Change Announcement*

**ANNOUNCEMENT:** BDC14D-04

**DATE:** May 21, 2015

**SUBJECT:** Construction Barrier Curb  
Revised CD-159-3, CD-159-4, CD-159-5 and TCD-2 of the 2007 Standard  
Roadway Traffic Control Bridge Construction Details

**REFERENCE:** Revised Design Manual – Roadway, Section 13 page 13-18 and Section 14  
BDC13MR-08 dated May 20, 2015

Revised Subparts 159.02.01 and 159.03.02 of the Standard Specifications  
BDC14S-11 dated May 22, 2015

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The NJDOT has revised the Construction Barrier Curb standards to conform with NCHRP 350 and the Manual for Assessing Safety Hardware (MASH). Only one type of Construction Barrier Curb is now being used. Consequently, the Index sheet 4 and the Index sheet for Standard Traffic Control Details page 99, have been revised.

A summary of the revisions is as follows:

**CD-159-3: Construction Barrier Curb with Box Beam Stiffener**

The Construction Barrier Curb, Type 1 sheet has been revised to depict a box beam stiffener bolted onto the barrier as an option. To reduce snag hazard we are using round head bolt in accordance with recommendations from crash testing (NYTCB-1 pg 48) The Construction Barrier Curb, Type 1 has been eliminated and since Type 4 barriers are the only type still in use, the type designation has been removed. Anchor bolting the barriers to the ground is no longer required, only pinning is required as shown.

**CD-159-4: Construction Barrier Curb (Alternate A)**

The Joint Class table has been replaced with the Connection Type table.  
Deleted Note B: "In units that are to be anchored, pins shall be required in every anchor recess".

**CD-159-5: Construction Barrier Curb (Alternate B)**

The Joint Class table has been replaced with the Connection Type table.  
Deleted Note B.

**TCD-2: Traffic Control Details**

Replaced the Joint Class Table with the Connection Type table and the Clear Area dimensions have changed. A detail showing the box beam barrier 12" from a drop off with 2' 4" "clear area" behind barrier curb has been added. A transition between barrier connection types has been added. Placement of Construction Barrier Curb detail has been deleted.

Note No. 2 has been revised in Construction Barrier Curb Connection Type and Clear Area detail.

This revision must be read in conjunction with the referenced BDC Announcements.

**Implementation Code S (Special)**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission after one month of the date of the BDC announcement where these changes do not result in any one of the following to the project:

- Significant delay in the project delivery
- Significant increase in the construction costs of the project
- Acquisition of additional ROW
- Significant environmental impacts
- Significant alteration of the construction staging
- Necessity for detours where none previously existed

Changes must be implemented in all applicable Department projects currently in Preliminary Engineering or earlier stages and in which these changes do not result in the following:

- Acquisition of additional ROW that would significantly delay the project.
- Significant environmental impacts

**Recommended By:**

Original Signed

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Richard Jaffe, P.E.  
Director  
Capital Program Support

**Approved By:**

Original Signed

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Richard T. Hammer  
Assistant Commissioner  
Capital Program Management

RJ:KS:YB

Attachments: Revised sheets CD-159-3, CD-159-4, CD-159-5, TCD-2, Index sheet 4 and Index sheet page 99, of the Standard Roadway Construction-Traffic Control- Bridge Construction Details 2007.