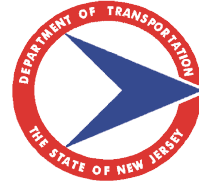


*New Jersey Department of Transportation*  
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



## *Baseline Document Change Announcement*

**ANNOUNCEMENT:** BDC12D-01

**DATE:** December 18, 2012

### **Miscellaneous Changes to the Standard Construction Details**

**SUBJECT:** Miscellaneous Changes to the Standard Roadway Construction-Traffic-Control-Bridge Construction Details-2007

**REFERENCE:** Revision to Subsection 509.04 of the 2007 Standard Specifications for Road and Bridge Construction  
BDC12S-08 Dated December 17, 2012

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The Standard Construction Details 2007, sheets: CD-158-1, CD-158-2, CD-159-6, CD-159-7, CD-601-1, CD-601-2, CD-601-3, CD-602-4, CD-606-1, CD-607-2, CD-609-1, CD-609-2, CD-609-7, TCD-1, BCD-504-3, BCD-504-5, BCD-507-5, BCD-507-11, BCD-509-1, BCD-509-2, BCD-509-3 and BCD-509-4 have been revised. Consequently, the Table of Contents sheet No. 3, the Index sheet Nos, 4 through 7, and sheet No. 122, have also been revised.

A summary of the revisions is as follows:

1. **CD-158-1** Soil Erosion and Sediment Control Measures

- **CD-158-1.3:** Changed "4" x 4" fence post or metal post" to "4"x 4" wood, or 2" dia. galvanized chain-link fence post".

Also changed note #1 to add "or approved fasteners," and in note #2 deleted "4"x 4" ”.

2. **CD-158-2** Soil Erosion and Sediment Control Measures

- **CD-158-2.4:** Changed 2"x4" to "lumber". Changed "Mold" to "Hold" and added "place lumber in hemmed geotextile sleeve"
- **CD-158-2.5:** Changed design of silt sack; now showing holes provided for flood overflow in sack design. Also, changed "foam" to "lumber"

Added the word "insert" ; "insert 1" rebar for removal of bag from inlet".

3. **CD-159-6** Construction Signs

- **CD-159-6.1:** Revised Construction Signs W4-2, W8-11a, W8-15F, W8-15 and W8-15P to

meet the current Manual on Uniform Traffic Control Devices “MUTCD” edition, December 2009.

Also, revised note No. 5 to clarify sign placements

#### 4. **CD-159-7** Construction Signs

- **CD-159-7.1:** Revised Construction Signs “W9-3a” and “G20-5aP” to meet the current MUTCD edition, December 2009.

Also, revised note No. 4 to clarify sign placements.

Added new sign designations, “EP1 and EP2” for Emergency Pull off.

#### 5. **CD-601-1** Underdrains

- **CD-601-1.1:** Changed “#57 Size Coarse Aggregate” to “Coarse Aggregate, Size No. 57”
- **CD-601-1.2:** Changed “#57 Size Coarse Aggregate” to “Coarse Aggregate, Size No. 57” and the depth is 32”. Removed “Note To Designer”.
- **CD-601-1.3:** Changed subtitle “Subbase Outlet Drain With 6” HDPE Underdrain Pipe” to “Subbase Outlet Drain” and shown pay limit of 6” HDPE Pipe.
- **CD-601-1.4:** Changed “#57 Size Coarse Aggregate” to “Coarse Aggregate, Size No. 57”. Changed “6” Dia. HDPE Perforated Underdrain Pipe” to “6” Perforated HDPE Pipe”. Added note #3 to list the Items.

#### 6. **CD-601-2** Pipe End Sections

- **CD-601-2.1:** Changed “End Sections for Metal pipe” to “End Sections for Aluminum Pipe”.

#### 7. **CD-601-3** Cross Drain or Utility Trench Construction

- **CD-601-3.3:** Changed “Metal Pipe” to “Aluminum Pipe”.

#### 8. **CD-602-4** Inlets, Type E, E1, E2, & ES

- **CD-602-4.4:** Changed “X-Slope” to “Cross Slope”.
- **CD-602-4.5:** Changed subtitle to “ Set Inlet Type ES, Casting Reset Existing Casting (For ES Casting).

#### 9. **CD-606-1** Public Sidewalk Curb Ramp Detectable Warning Surface

- **CD-606-1.2:** For Curb Ramp Type 4 corrected the arrow for dimension “W” to point from the face of curb to the back of the curb ramp. Labeled Section A-A and D-D for Curb Ramp Type 6.

#### 10. **CD-607-2** Barrier Curb and Vertical Curb

- **CD-607-2.3:** Added subtitle “Approach Curbed Gore Area Treatment”.

11. **CD-609-1 and CD-609-2** Beam Guide Rail and Dual-Faced

- **CD-609-1.1 and CD-609-2.1:** Corrected the Rubrail location on the 6’ post to conform to AASHTO 2011 Standard Highway Barrier Hardware Guide. Changed (6”x4” Steel I, 8.5# or 9# per foot) to (W6 x 8.5 or W6 x 9 Steel Post).

12. **CD-609-7** Median Guide Rail Treatment

- **CD-609-7.3:** Changed subtitle “Telescoping Guide Rail end Terminals” to “Telescoping Guide Rail End Terminal Connection to Beam Guide Rail, Dual Faced”. Added Note #2. Minor drafting corrections to post symbol spacing. Added 3’ dimension to front of TGRET for width of non-vegetative surface to agree with CD-608-1.
- **CD-609-7.5:** New detail added with subtitle: “Telescoping Guide Rail End Terminal Connection to Modified Thrie Beam Guide Rail, Dual Faced”. The detail shows how to transition from the 3.375’ wide modified dual faced thrie beam to the 2.32’ wide TGRET. The important thing is the transition from one width to the other should not be steeper than 15 to 1 (design speed of 65 to 70 MPH). Also, the beam guide rail should not begin to flare within 12.5 feet of TGRET.

13. **TCD-1** General Notes

- In Note #18 and #25 D corrected some typographical errors.

14. **BCD-504-3** Typical Details No. 1

- **BCD-504-3.2:** Date Panel detail, removed C.S. LET. Panel (5’-0”). Clarified that the Date Panel is to be used on bridges with pylon.
- **BCD-504-3.6:** Numeral Panel detail, added Legend Table that includes years up to 2051. Added to be used on all other bridges.

15. **BCD-504-5** Typical Details No. 3

- **BCD-504-5.3:** Details of Numeral Panel moved to sheet BCD-504-3.

16. **BCD-507-5** Concrete Bridge Approach

- **BCD-507-5.1:** Changed the quantity of reinforcement steel, for the Concrete Bridge Approach from “4.67 lbs/cu. ft.” to “7.0 lbs/cu. ft.”,

17. **BCD-507-11** 4 - BAR Open Steel Parapet Details

- In Note #8 deleted “anchor bolt sleeves” in the first sentence.
- Also in Note #8 added “The preformed pads should be neoprene meeting the elastomer properties for Grade 0 or Grade 2 of AASHTO M 251”.

18. **BCD-509-1 and BCD-509-2** Bridge Chain Link Fence (6'-3" high, Curved Top and Straight)

- **BCD-509-1.1 and BCD-509-2.1:** In order to conform with AASHTO M181 bridge chain link fence items, three more types of fences have been added: Type I, Type II, and Type IV to the existing Type III.

Some details and notes have been revised to accommodate all four types of fences.

The Bridge Chain Link Fence change must be read in conjunction with the referenced BDC12S-08 for the corresponding changes to Subsection 509.04 of the Standard Specifications.

19. **BCD-509-3 and BCD-509-4** 1 Rail and 2 Rail Aluminum Railing

- Revised Note #7 to be consistent for base plate corrosion protection.
- Revised Note #8 to site specific Subsection of the Department Specifications and corresponding ASTM Specifications.

**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:**

ORIGINAL SIGNED

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Richard Jaffe  
Acting Director,  
Capital Program Support

**Approved By:**

ORIGINAL SIGNED

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Richard T. Hammer  
Assistant Commissioner,  
Capital Program Management

RJ:KS YB:

Attachments: Table of contents sheet No. 3, index sheet No. 4 through 7, , index sheet No. 122 , CD-158-1, CD-158-2, CD-159-6, CD-159-7, CD-601-1, CD-601-2, CD-601-3, CD-602-4, CD-606-1, CD-607-2, CD-609-1, CD-609-2, CD-609-7, TCD-1, BCD-504-3, BCD-504-5, BCD-507-5, BCD-507-11. BCD-509-1, BCD-509-2, BCD-509-3 and BCD-509-4