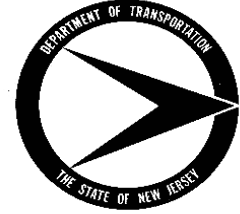


# New Jersey Department of Transportation

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



## Baseline Document Change Announcement

### Revisions to Standard Roadway Construction/Traffic Control/Bridge Construction Details dated October, 1996 BDC98D-005

October 9, 1998

#### Subject: Changes and Additions to Bridge Construction Details

Detail Sheets BCD-1C and BCD-1D have been added to the *Bridge Construction Details* and Detail Sheets BCD-1A, BCD-1B, BCD-2, BCD-3, BCD-4, BCD-8 and BCD-9 of the *Bridge Construction Details* have been revised to provide consistency with the 1998 Bridges and Structures Design Manual. The changes and additions to the *Bridge Construction Details* are as follows:

- Sheets BCD-1A & BCD-1B
  - ◆ “Epoxy Coated” specific reinforcement reference changed to “Corrosion Protected” as a general reinforcement reference.
  - ◆ “LMC Overlay” specific reference changed to “Concrete Overlay” as a general reference.
- Sheets BCD 1C & BCD-1D
  - ◆ Added Details for Deck Joint Repairs.
- Sheet BCD-2
  - ◆ Federal specification reference “TT-S-230” changed to “A-A-1556”.
- Sheet BCD-3
  - ◆ Parapet height “685mm” changed to “815mm” to provide crash test configuration.
  - ◆ Sidewalk rebar size and spacing of #15 @450mm changed to #13 @300mm.
  - ◆ Details for Deck Overhang - additional reinforcement, to prevent cracking, now detailed.
  - ◆ Note 10 added to clarify provision of adequate length of conduit sleeve to permit expansion and contraction. Note 11 added to clarify required height of pedestrian and/or bicycle traffic and Note 12 added to clarify the detailing of additional reinforcement in the deck overhang.
- Sheet BCD-4
  - ◆ Note 4 concerning the conformance to the approach roadway of the width and height of the median barrier is modified.
  - ◆ Note 5 added to clarify provision of adequate length of conduit sleeve to permit expansion and contraction.
  - ◆ Rebar detail in Elevation view corrected to not pass through contraction joint.
- Sheets BCD-8 & BCD-9
  - ◆ Parapet height and overall height changed to provide crash tested configuration dimension.
  - ◆ Deleted the reference to “Aluminum Alloy 6061-T94”, to be consistent with the roadway chain link fence fabric material.

#### Instructions to Designers

Where applicable to a project, a copy of Bridge Construction Detail Sheets BCD-1A, BCD-1B, BCD-1C, BCD-1D, BCD-2, BCD-3, BCD-4, BCD-8 and BCD-9 must be provided in the contract plans.

Refer to the *Sample Plans, October 1996*, CONSTRUCTION DETAILS on Sheet 12 text for designer instructions for Sheets BCD-1A, BCD-1B, BCD-3, and BCD-4.

In order to provide instructions to designers for Sheets BCD-1C and BCD-1D, the second paragraph from the bottom left side of Sheet 12 of the *Sample Plans, October 1996* is changed to the following:

- Sheets numbered BCD-1A, BCD-1B, BCD-1C and BCD-1D are for bridge deck rehabilitation repair work. The details shown on these sheets shall not be used for deck patching repair work. Details for bridge deck patching shall be developed by the designer from information provided by Structural Engineering. Bridge deck patching details shall be included in the bridge plans. Deck patching repair work differs from deck rehabilitation work in the type of repairs to be performed and the way in which the repairs are to be done.

### **Distribution to In-House Staff and Various Public Agencies**

This BDC Announcement file can be viewed and/or downloaded from the NJDOT Web Page at <http://www.state.nj.us/transportation/>. Click on "Capital Program Management" (Listed on the left side of the screen). The files are listed in the CPM Table of Contents (Click on "CPM T.O.C."). Click whatever document you wish to view or download. The download file is in a zip format. If you need an unzipping program, download and install the winzip or pkzip program located at the bottom of the page.

Electronic Detail files can be downloaded from the NJDOT Web Page at <http://www.state.nj.us/transportation/>. Click on "CADD Support" (Listed on left side of the screen). Follow instructions and "Links" to get to "CADD File Download Section". Then click on "Individual Standard Bridge Construction Details."

This memorandum along with a half scale copy of the *Bridge Construction Details* revisions and additions (Metric version only) will be distributed to In-House staff and various Public Agencies in accordance with the Standard Construction Details distribution list by the Document Control Unit. The hard copy distribution may be at least one month after date of this memorandum because of printing delays, so rely on the web for faster service. Please make additional copies as needed.

### **Distribution to other Outside Agencies (Consultants, Contractors, etc.)**

This memorandum will be posted on the NJDOT's Electronic Bulletin Board System (BBS) under conference number 10 - "Highway Design", File Area 56 - "Baseline Document Change memorandums"

This BDC Announcement file can be viewed and/or downloaded from the NJDOT Web Page at <http://www.state.nj.us/transportation/>. Click on "Capital Program Management" (Listed on the left side of the screen). The files are listed in the CPM Table of Contents (Click on "CPM T.O.C."). Click whatever document you wish to view or download. The download file is in a zip format. If you need an unzipping program, download and install the winzip or pkzip program located at the bottom of the page.

Electronic Detail files can be downloaded from the NJDOT Web Page at <http://www.state.nj.us/transportation/>. Click on "CADD Support" (Listed on left side of the screen). Follow instructions and "Links" to get to "CADD File Download Section". Then click on "Individual Standard Bridge Construction Details."

Half scale copies of the *Bridge Construction Details* revisions and additions (Metric version only) can be obtained after one month of the date of this memorandum by contacting:

Engineering Documents Unit  
E&O Building, 1<sup>st</sup> Floor  
1035 Parkway Avenue, PO Box 600  
Trenton, New Jersey 08625  
Phone: (609) 530-5587  
Fax: (609) 530-6626

**Recommended By:**

---

Brian Strizki  
Manager, Quality Services

**Approved By:**

---

Russell D. Tong  
Assistant Commissioner,  
Capital Program Management

attachment  
BJS:DES  
📎 98D-005.doc

Superseded