



State of New Jersey

DEPARTMENT OF TRANSPORTATION
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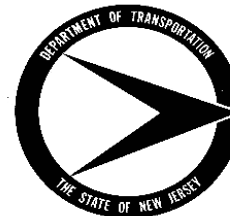
CHRISTINE TODD WHITMAN
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New Jersey Department of Transportation

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

Baseline Document Change Announcement



*Wood or Recycled/Synthetic Routed Spacers for Guiderail,
Construction Details, CD-612-1 through CD-612-4, and CD-612-7 through CD-612-11
BDC98DS-001*

February 11, 1999

Subject: Revisions to Standard Roadway Construction Detail Sheets CD-612-1 through CD-612-4 & CD-612-7 through CD-612-11, Wood or Recycled/Synthetic Routed Spacers

The Standard Roadway Construction Details for guiderails, CD-612-1 through CD-612-4 and CD-612-7 through CD-612-11, have been revised to depict use of Wood or Recycled/Synthetic Routed spacers in lieu of the steel "I" shaped spacers. However, the steel "I" spacers shall be continued to be used where rail element with spacer is attached to obstruction (CD-612-8.7) and for guiderail attachment to parapets and sidewalks (CD-612-9.2 and CD-612-10.1). These revisions follow the FHWA direction which requires that the new and replacement guiderails must meet the NCHRP 350 crash test guidelines.

The recycled/synthetic routed spacers are larger and thus eliminates the need for the back-up plate. These spacers also reduce the potential for snagging on the guiderail posts.

The list of revisions to the Standard Construction Details are as follows:

Revised Sheet CD-612-1 & CD-612-2

- Eliminated steel I shape spacer
- Added 360 mm Routed Spacer
- Revised Nuts & Bolts sizes
- Eliminated Back-up Plate

Revised Sheet CD-612-3,4 & CD-612-7 & CD-612-11

- Revised details to reflect routed spacer

Revised Sheet CD-612-8 through CD-612-10

- Revised details to reflect routed spacer
- Added details of steel I shape spacer and Nut and Bolt listing
- Revised sheet CD-612-9 & 10 to include schedule 40 Galv.
- Revised details for pipe spacer

Specification Changes

Specifications for the above changes have been incorporated in the Standard Input, SI98DOT1 issued separately as BDC memorandum, BDC97S-007 entitled "SI98 DOT1 for 1996 Standard Specification for Road and Bridge Construction as revised by the 1998 Supplemental Specifications", dated November 30, 1998.

Instructions to Designers

The Designers must include these revised Construction Detail sheets, as required, in the Contract Documents until such time that these sheets are incorporated in to the future Standard Roadway Construction/Traffic Control/Bridge Construction Details booklet.

The attached detail changes for the guiderail spacer shall be included in all projects currently under design. For projects on the NHS that were advertised after October 1, 1998 and do not include the new guiderail spacer, a Change of Plan or addendum must be issued.

Project Managers will, when feasible, incorporate the new detail for the change to the guiderail spacer in non-NHS projects that have been advertised but not awarded and also in projects that are currently being prepared for advertisement.

The Technical Specifications Unit will include the necessary specifications in those projects currently under design that are not using the 1998 Supplemental Specifications.

Existing guiderail does not have to be upgraded when the guiderail is structurally sound and meets the following standards:

1. Steel blockouts.
2. 1905mm post spacing
3. Backup plates
4. End Treatments conform to Section 8-03.2 of the Roadway Design Manual
5. Current attachment standards
6. Current treatment at obstructions
7. Located and designed according to current standards

Distribution to In-House Staff and Various Public Agencies

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This memorandum along with a half scale copy of the Roadway 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 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 of 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.

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

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