

New Jersey Department of Transportation

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



Baseline Document Change Announcement

NJDOT Design Manual for Bridges and Structures

BDC01MB-3

July 23, 2001

Subject: Revisions to Section 23 – Parapets, Railings and Chain Link Fencing and Revisions to Section 44 – Alternate Design Criteria Non-NHS Highways

Sections 23 and 44 of the *NJDOT Design Manual for Bridges and Structures* have been revised. Section 23 now establishes the use of crash tested bridge railings lower than TL-4 systems on non-State-owned non-NHS highways. Section 44 now establishes that non-State owned, non-NHS highway bridges may be designed to the current edition of the AASHTO Standard Specifications for Highway Bridges in lieu of the AASHTO LRFD Bridge Design Specifications.

To incorporate these changes to the *NJDOT Design Manual for Bridges and Structures – Third Edition, 1998*, replace the following pages:

Replace **pages 1.23-1 through 1.23-6** with new **pages 1.23-1 through 1.23-7**

Replace **pages 1.44-1 through 1.44-3** with new **pages 1.44-1 through 1.44-3**

Replace **plates 2.2-2 and 2.3-1** with **plates 2.2-2, 2.2-3, 2.2-4 and 2.3-1**

The changes to Sections 23 and 44 and plates 2.2-2 through 2.3-1 are summarized as follows:

Section 23

Page 1.23-1 None.

Pages 1.23-2 and 1.23-3

Subsection 1.23.1 b

Subsection 1.23.2

Reference Section 508 of Standard Specifications.

Rewrite subsection to include criteria on crash tested bridge railings lower than TL-4 systems, tall “F” shape barrier, and Texas Type HT railing.

Pages 1.23-4 through 1.23-7 Renumber.

Section 44

Pages 1.44-1 through 1.44-3 Rewrite entire section to establish that non-State owned, non-NHS highway bridges may be designed to the current edition of the AASHTO Standard Specifications for Highway Bridges.

Plates

- Plate 2.2-2 Backside of new Plate 2.2-3.
- Plate 2.2-3 New Plate for 1270 MM High heavy Truck Parapet.
- Plate 2.2-4 New Plate for 1070 MM High F-Shape Parapet Details
- Plate 2.3-1 Backside of new Plate 2.2-4.

Distribution and Announcement Access Information

This announcement is being distributed electronically only to our in-house staff and various public agencies based on our NJDOT Design Manual for Bridges and Structures distribution list maintained by the Engineering Documents Unit.

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

Recommended By:

Approved By:

Brian Strizki
Manager,
Quality Management Services

W. Dennis Keck
Assistant Commissioner,
Capital Program Management

Attachment pages 1.23-1 through 1.23-7, 1.44-1 through 1.44-3, and plates 2.2-2 through 2.3-1
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