

New Jersey Turnpike Authority

P.O. Box 5042, Woodbridge, NJ 07095



June 13, 2022

Document Change Announcement

2007 Design Manual

As-Built Load Ratings

DCA2022DM-02

Subject: Revisions to

Section 3 Structures Design, Subsection 3.2 Bridges

Description of Change:

An update to the Load Rating subsection in the Design Manual (3.2.1.2.) is required to direct Design Engineers to perform an updated load rating analysis to capture changes made during construction for new or rehabilitated bridges that may affect the previously calculated As-Designed load ratings. These revised load ratings would be considered the As-Built load rating.

Notice to New Jersey Turnpike Authority Staff and Design Consultants

Effective immediately, all contracts currently in the design phase shall incorporate the revisions herein. For advertised contracts awaiting the opening of bids this revision shall be incorporated via addendum. Contact your New Jersey Turnpike Authority Project Manager for instruction.

The revisions may be accessed on the Authority's webpage: <https://www.njta.com/doing-business/professional-services>

Recommended By:

A handwritten signature in blue ink that reads 'Lamis T. Malak'.

Lamis T. Malak, P.E.
Deputy Chief Engineer - Design

Approved By:

A handwritten signature in blue ink that reads 'Michael Garofalo'.

Michael Garofalo, P.E.
Acting Chief Engineer

Distribution: Senior Staff Engineering, Law, Maintenance & Operations Depts., All Prequalified Consultant Firms, File

NOTE: All text herein are REVISIONS, as indicated by the tracked changes, to the latest version of the Design Manual.

3.2. BRIDGES

3.2.1. Design Specifications

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3.2.1.2. Load Rating

As-designed load ratings shall be performed by the Design Engineer in parallel with all designs for New Bridges, or where an existing bridge is subjected to a Substantial Modification.

Load ratings of new structures or structures subject to substantial rehabilitation or modification ~~rehabilitated structures~~ shall be performed and published in accordance with the Authority's Load Rating Manual Subsection 4.4.

In addition, the Design Engineer shall review and update the load rating analysis when changes are made during construction that may affect the previously calculated As-Designed load ratings. The updated load rating analysis shall be considered an As-Built load rating and it shall be published and submitted within the specified timeline as per the Authority's Load Rating Manual Subsection 4.4 following the bridge being fully opened to public traffic. When updated load ratings are required, the Design Engineer shall modify the General Notes sheet of the Contract Plans as part of the relevant Change of Plan submission to include the updated (As-Built) load ratings. When updated load ratings are not required, the load rating report shall be updated in accordance with the Authority's Load Rating Manual Subsection 4.4 to indicate that the As-Designed and As-Built load ratings are identical.