

New Jersey Turnpike Authority

P.O. Box 5042, Woodbridge, NJ 07095



June 30, 2023

Document Change Announcement

2016 Standard Supplementary Specifications Continuous Hot-Dip Galvanized Reinforcement Steel DCA2023SS-08

Subject: Revisions to

Section 401 Concrete Structures, Subsection 401.02 Materials

Section 401 Concrete Structures, Subsection 401.09 Reinforcement Steel

Section 908 Reinforcement Steel, Subsection 908.01 Reinforcement Steel for Structures.

Section 909 Structural Steel and Other Ferrous Metals, Subsection 909.11 Zinc Coating on Steel

Description of Change:

This DCA includes language for the use of ASTM A1094 continuous hot-dip galvanized reinforcement where shown on Contract Plans.

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:

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

NOTE: The following tracked changes indicate REVISIONS to the latest version of the 2016 Standard Supplementary Specifications.

[NOTE TO DESIGNER: Include the following in Contracts that specify the use of field-bent galvanized reinforcement in decks, parapets, median barriers, or other limited-use locations for bridge deck repair, rehabilitation or replacement Contracts. Use of ASTM A1094 reinforcement shall be approved by the Authority prior to inclusion in the Contract Documents:]

SECTION 401 – CONCRETE STRUCTURES

401.02 Materials

Remove the following:

JOINT MATERIALS	907
NON-SHRINK GROUT	905.12
REINFORCEMENT STEEL	908.01
SUPPORT BARS FOR REINFORCEMENT STEEL.....	908.01

Add the following:

JOINTS.....	907
NON-SHRINK GROUT.....	905.10
REINFORCEMENT STEEL	908
SUPPORT BARS FOR REINFORCEMENT STEEL.....	908.01(K)
<u>ZINC COATING ON STEEL</u>	<u>909.11</u>

[NOTE TO DESIGNER: Include the following in Contracts that specify the use of field-bent galvanized reinforcement in decks, parapets, median barriers, or other limited-use locations for bridge deck repair, rehabilitation or replacement Contracts. Use of ASTM A1094 reinforcement shall be approved by the Authority prior to inclusion in the Contract Documents:]

401.09 Reinforcement Steel

The following is added after the 2nd paragraph:

Bending of ASTM A767, Class I hot-dip galvanized reinforcement steel after galvanizing will not be permitted. Minor bending of ASTM A1094 continuous hot-dip galvanized reinforcement steel after galvanizing is acceptable where required in the field for final fit to achieve cover requirements.

The following is added to the 11th paragraph:

Repairs shall be made to all damaged galvanized coating on reinforcement steel in accordance with Paragraph 908.01(F). Any damage to the galvanized coating of ASTM A767, Class 1 or ASTM A1094 galvanized reinforcement steel during fabrication, transport, storage or installation, including during field bending or straightening of ASTM A1094 reinforcement, shall be repaired with a zinc-rich formulation in accordance with ASTM A780. If damage to either the epoxy or the galvanized coating is considered significant or not repairable, as determined by the Engineer, the reinforcement steel bar will be rejected and shall be replaced by the Contractor at no additional cost to the Authority.

NOTE: The following language is ADDED to the latest version of the 2016 Standard Supplementary Specifications.

[NOTE TO DESIGNER: Include the following in Contracts that specify the use of field-bent galvanized reinforcement in decks, parapets, median barriers, or other limited-use locations for bridge deck repair, rehabilitation or replacement Contracts. Use of ASTM A1094 reinforcement shall be approved by the Authority prior to inclusion in the Contract Documents:]

908.01 Reinforcement Steel for Structures

The following Paragraph is deleted and replaced with:

(F) ZINC COATING ON REINFORCEMENT STEEL

Zinc Coating on Reinforcement Steel shall be performed in accordance with the requirements of Paragraph 909.11(D) and Paragraph 909.11(E).

[NOTE TO DESIGNER: Include the following in Contracts that specify the use of field-bent galvanized reinforcement in decks, parapets, median barriers, or other limited-use locations for bridge deck repair, rehabilitation or replacement Contracts. Use of ASTM A1094 reinforcement shall be approved by the Authority prior to inclusion in the Contract Documents:]

909.11 Zinc Coating on Steel

The following Paragraph is added:

(E) CONTINUOUS HOT-DIP GALVANIZING – REINFORCEMENT

Continuous hot-dip galvanized reinforcement in accordance with ASTM A1094 shall only be used where shown on the Contract Plans.