

New Jersey Turnpike Authority

P.O. Box 5042, Woodbridge, NJ 07095



May 22, 2020

Document Change Announcement

2016 Standard Supplementary Specifications

Qualified Products List (QPL) Criteria Updates

DCA2020SS-03

Subject: Revisions to

Section 407 High-Load Multi-rotational Bearings, Subsection 407.02 Materials

Section 407 High-Load Multi-rotational Bearings, Subsection 407.03 Qualified Manufacturers

Section 408 Laminated Elastomeric Bearings, Subsection 408.02 Materials

Section 408 Laminated Elastomeric Bearings, Subsection 408.03 Qualified Manufacturers

Section 409 Seismic Isolation Bearings, Subsection 409.03 Qualified Isolator Manufacturers

Section 417 Bridge Deck Rehabilitation, Subsection 417.02 Materials

Section 426 Mechanically Stabilized Earth (MSE) Walls, Subsection 426.02 Materials

Section 904 Bituminous Materials, Subsection 904.06 Sealing Materials

Section 918 Electrical Materials, Subsection 918.02 Bonding and Grounding Devices

Section 920 Traffic Control Devices, Subsection 920.11 Arrow Board

Description of Change:

This DCA contains miscellaneous updates to qualification criteria for the Qualified Products List (QPL).

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>

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NOTE: All text herein ADDITIONS to the latest version of the 2016 Standard Supplementary Specifications.

[Include the following in contracts with HLMR bearings:]

SECTION 407 – HIGH-LOAD MULTI-ROTATIONAL BEARINGS

407.02 Materials

The following is added:

HIGH-LOAD MULTI-ROTATIONAL BEARINGS.....	928.01
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407.03 Qualified Manufacturers

Delete this entire Subsection.

[Include the following in contracts with laminated elastomeric bearings:]

SECTION 408 –LAMINATED ELASTOMERIC BEARINGS

408.02 Materials

The following is added:

LAMINATED ELASTOMERIC BEARINGS.....	928.02
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408.03 Qualified Manufacturers.

Delete this entire Subsection.

NOTE: All text herein are REVISIONS, as indicated by the tracked changes, to the latest version of the 2016 Standard Supplementary Specifications.

[Include the following in contracts with seismic isolation bearings:]

SECTION 409 - SEISMIC ISOLATION BEARINGS

409.03 Qualified Isolator Manufacturers

Delete the first paragraph and replace it with the following:

Refer to the Subsection 928.03 for approved suppliers.

Replace the first sentence of the second paragraph with the following:

Substitution of an alternate isolation system not referenced above may be acceptable provided all revisions necessary to accommodate this substitution are completed by the Contractor to the satisfaction of the Engineer

[The following shall be completed on a Project to Project basis:]

The following is added after the 4th paragraph:

The acceleration response spectra with **[an X%]** probability of exceedance in **[XX]** years is as follows:

Table 409-1 Acceleration Response Spectra	
T (sec)	S _a (g)
X.XX	X.XXX

SECTION 417 - BRIDGE DECK REHABILITATION

[Include the following as necessary:]

417.02 Materials

In the Repair and Material Description table, replace the "Joint Seal Replacement, Type IV ____" row with the following:

Joint Seal Replacement, Type IV ____	Preformed Elastomeric Joint Sealer.
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In the Materials Delivered to Maintenance Facility table, replace the "High Early Strength Cement Patch Mix..." row with the following:

<u>Non-Shrink, High Early Strength Mortar with at least one-year shelf life</u>	<u>56 – 50 lb. bags (1 pallet)</u>
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In the Materials to be Stock Piled in the Contractor's Staging Area table, replace the "High Early Strength Cement Patch Mix..." row with the following:

<u>Non-Shrink, High Early Strength Mortar with at least one-year shelf life, to yield 2 C.Y. Each</u>	<u>4 Each</u>
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NOTE: All text herein ADDITIONS to the latest version of the 2016 Standard Supplementary Specifications.

[Include the following in Contracts with MSE walls:]

SECTION 426 – MECHANICALLY STABILIZED EARTH (MSE) WALLS

426.02 Materials.

(A) MSE Wall Systems.

Delete the entire Paragraph and replace it with the following:

Refer to Subsection 925.07 for approved Wall Manufacturers.

The Contractor shall make their own arrangements to purchase the materials and services from one of the Wall Manufacturers. Selection of only one (1) type and material of soil reinforcing element and connection element will be permitted per wall. No more than two (2) Wall Manufacturers will be permitted for use on the Contract.

An on-site technical representative from the selected Wall Manufacturer shall be present to assist and instruct during the installation of the first two-panel courses of the first wall in the Contract, at a minimum.

SECTION 904 – BITUMINOUS MATERIAL

904.06 Sealing Materials

(A) Hot Poured Joint Sealant

Replace the entire Paragraph with the following:

Hot poured joint sealers shall be from an approved supplier listed on the QPL and shall conform to the requirements of ASTM Designation D6690 for joints in concrete and asphalt pavements.

[Include the following as necessary:]

SECTION 918 – ELECTRICAL MATERIALS

918.02 Bonding and Grounding Devices

(B) Ground Rods

Delete the first paragraph and replace it with the following:

Ground rods shall be 3/4 inch in diameter and 10 feet long, composed of steel core with pure copper covering electrolytically plated so that an inseparable molecular bond is secured between the two materials. The minimum thickness of the copper covering on the cylindrical portion of the rod shall average not less than 0.010 inch. Ground Rods shall be UL listed per UL-467, latest edition for the USA.

SECTION 920 – TRAFFIC CONTROL DEVICES

920.11 Arrow Board

Replace requirement (B) with the following:

A minimum peak luminous intensity of 1,000 candela and equipped with photocells that will automatically reduce the luminous intensity to 750 candelas when the ambient light level drops.

Replace the first paragraph after the list of requirements with the following:

Flashing arrow boards shall be equipped with a solar charged battery system. Do not use gasoline powered systems. Securely mount flashing arrow boards on a manufacturer approved 2-wheeled towing trailer.