

# New Jersey Turnpike Authority

P.O. Box 5042, Woodbridge, NJ 07095



March 12, 2026

## Document Change Announcement

### *2016 Standard Supplementary Specifications*

### *Sign Panel and Structure Splice Detail*

*DCA2026SS-03*

#### **Subject: Revisions to**

Section 406 Sign Support Structures

Section 509 Sign Panels

#### **Description of Change:**

This DCA clarifies fabricator shop drawing submittal requirements for sign panel stringers, stringer splices, sign mounting hardware, and other minor changes. It also clarifies the installation of Authority-furnished overhead sign structures and aluminum posts for ground mounted signs, clarifies the removal of structural sign supports, and relocates the requirements for ground mounted signs with timber poles and posts. DCAs to the Standard Drawings and Standard Supplementary Specifications are released concurrently to address this.

#### **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.gov/business-hub/professional-services/document-change-announcements/>

#### **Recommended By:**

*(signature on original)*

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

#### **Approved By:**

*(signature on original)*

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Daniel L. Hesslein, P.E.  
Chief Engineer

*(signature on original)*

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Robert Higham, P.E.  
Deputy Chief Engineer - Construction

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

**SECTION 406 - SIGN SUPPORT STRUCTURES**

**406.01 Description**

Replace the first paragraph with the following:

This work shall consist of the fabrication, furnishing, and erection of overhead span, cantilever, and butterfly sign support structures, bridge mounted sign support structures, and aluminum posts for ground mounted sign support structures, including the required concrete foundations and anchorages, in accordance with the details as shown or as ordered.

Add the following language after the first paragraph:

See Section 509 for sign panels, sign panel stringers, and associated mounting hardware.

Add the following language to the end of this Subsection:

This work shall also consist of the picking up, transporting to the site, and erecting the sign support truss assemblies and end frames that will be provided by the Authority. This work shall also consist of the removal and salvaging of existing overhead sign structures.

Add the following language to the end of this Subsection:

This work shall also consist of the picking up, transporting to the site, and erecting the aluminum posts for ground mounted sign supports ~~posts or poles and signs~~ that will be provided by the Authority. This work shall also consist of the removal and salvaging of existing aluminum posts for ground mounted signs.

**406.02 ~~Materials~~**

~~Add the following language to the end of this Subsection:~~

|   |                   |
|---|-------------------|
| <del>DENSE GRADED AGGREGATE BASE.....</del>           | <del>902.07</del> |
| <del>JOINT SEALERS.....</del>                         | <del>907.02</del> |
| <del>TIMBER POSTS FOR GROUND MOUNTED SIGNS.....</del> | <del>910.12</del> |

**406.03 Shop Drawings.**

Add the following language to the end of this Subsection:

See Subsection 509.03 for Engineer’s review of shop drawings for sign panels, sign panel stringers, and associated mounting hardware.

**406.04 Fabrication**

Add the following prior to the first paragraph of language to the end of this Subsection:

Fabricating and furnishing of the overhead sign support truss assemblies and end frames will be by others. The sign support structures will be stored at the Authority's storage yard located at **[insert location]**.

Add the following prior to the first paragraph of this Subsection~~Add the following:~~

Fabricating and furnishing of the aluminum posts for ground mounted sign supports ~~posts or poles and signs~~ will be by others. The sign support structures will be stored at the Authority's storage yard located at **[insert location]**.

#### (A) Overhead Sign Structures

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Add the following language to the end of this paragraph:

The Authority will provide the sign support truss assemblies and end frames for overhead sign structures, and the Contractor shall furnish, fabricate and install all other materials, such as sign hangers, horizontal support arms for walkways and luminaire support channels, walkway gratings, luminaire support channels, handrails, maintenance ladders and any other miscellaneous hardware necessary to make a complete installation at each location as per Paragraph 406.04(D).

#### (C) Supports For Ground Mounted Signs

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Add the following language to the end of this paragraph:

The Authority will provide the aluminum posts for ground mounted sign supports, and the Contractor shall furnish, fabricate and install all other materials, such as sign hangers and any other miscellaneous hardware necessary to make a complete installation at each location.

Add the following language to the end of this paragraph:

Timber posts and poles for ground mounted signs shall be fabricated from lumber of the sizes and lengths called for on the plans or as determined from field conditions.

#### (D) Sign Support Truss, Hangers, Walkway and Railway

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Add the following language to the end of this paragraph:

The Authority will provide the sign support truss assemblies and end frames and the Contractor shall furnish, fabricate and install all other materials, such as sign hangers, horizontal support arms for walkways and luminaire support channels, walkway gratings, luminaire support channels, handrails, maintenance ladders and any other miscellaneous hardware necessary to make a complete installation at each location.

The Authority will provide the ground mounted sign support posts or poles and signs and the Contractor shall furnish, fabricate and install all other materials, such as sign hangers, and any other miscellaneous hardware necessary to make a complete installation at each location.

### 406.05 Erection of Sign Support Systems

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Add the following language to the end of the ~~first paragraph~~first paragraph:

Prior to removing an existing sign structure or installing a new one, the Contractor shall submit details of the operation to the Engineer for approval at least 72 hours in advance.

The following existing overhead sign structures shall be removed as a part of this Contract:

Span Sign Structure No. [insert number], located at [insert location].

Cantilever Sign Structure No. [insert number], located at [insert location].

Butterfly Sign Structure No. [insert number], located at [insert location].

~~These e~~Existing overhead sign structures shall not be removed until they are no longer necessary. Any existing sign panels that conflict with a new traffic pattern shall be immediately ~~be~~ removed from the sign structure and the sign illumination shall also be disconnected.

All sign panels, truss frames, arms, walkways, lighting, hardware, etc. that is deemed salvageable by the Engineer will be loaded, transported and off-loaded by the Contractor to the Authority's storage yard located at [insert location]. Any non-salvageable items shall be disposed of in a satisfactory manner off Authority property by the Contractor.

The following existing ground mounted signs supported on aluminum posts shall be removed as a part of this Contract:

Ground Mounted Sign Supported on Aluminum Posts located at [insert location].

Existing ground mounted sign supports shall not be removed until they are no longer necessary. Any existing sign panels that conflict with a new traffic pattern shall be immediately removed from the ground mounted sign support.

All sign panels, aluminum posts, hardware, etc. that is deemed salvageable by the Engineer will be loaded, transported and off-loaded by the Contractor to the Authority's storage yard located at [insert location]. Any non-salvageable items shall be disposed of in a satisfactory manner off Authority property by the Contractor.

#### (A) Overhead Sign Structures

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Add the following language to the beginning of this paragraph:

The following overhead ~~overhead~~ sign structures shall be erected as part of this Contract:

Span Sign Structure No. [insert number], located at [insert location].

Cantilever Sign Structure No. [insert number], located at [insert location].

Butterfly Sign Structure No. [insert number], located at [insert location].

The Authority will furnish the sign support truss assemblies and ~~and~~ end frames and the Contractor is responsible for furnishing all labor and equipment necessary for delivering these items to the job site, erecting them on new ~~pedestals~~ foundations, furnishing and installing all other required materials, such as sign hangers, horizontal support arms for walkways and luminaire support channels, walkway gratings, luminaire support channels, handrails, maintenance ladders and miscellaneous hardware resulting in a completed overhead sign structure in accordance with the plans, specifications and as directed by the Engineer.

Removal and salvaging of electronic sign systems from overhead sign structures that are to be removed shall be as specified in Division 600.

#### (C) Ground Mounted Sign Supports

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Add the following language to the beginning of this paragraph:

The following ground mounted signs supported on aluminum posts shall be erected as part of this Contract:

Ground Mounted Sign Supported on Aluminum Posts located at [insert location].

The Authority will furnish the aluminum posts and the Contractor is responsible for furnishing all labor and equipment necessary for delivering these items to the job site, erecting them on new foundations, furnishing and installing all other required materials such as sign hangers and miscellaneous hardware resulting in a completed ground mounted sign support in accordance with the plans, specifications and as directed by the Engineer.

## 406.06 Sign Structure Foundations

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Add the following paragraph:

### ~~(C) Foundations For Ground Mounted Signs~~

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~~Add the following language to the end of this paragraph:~~

~~Install stainless steel bolt, lock washer and nut in the bottom of the sleeve. Place timber post, with shim plates attached, in the sleeve in the excavated foundation. Carefully set the sleeve, using the temporary framing to ensure proper location. Seal the opening between the post and concrete with silicone joint sealer to prevent water infiltration into the sleeve.~~

~~Limit field cutting of posts or poles to a minimum. Field treat the cut area with the original post or pole preservative.~~

~~Sign structure footings shall be removed to a depth two (2) feet below finished grade and backfilled. Removal of the sign structures and footings shall be performed with extreme care so as to avoid damage to the facilities of the Authority and to prevent any needless interference or delays to Authority patron traffic.~~

~~The following overhead sign structures shall be erected as part of this Contract:~~

~~Span Sign Structure No. [insert number], located at [insert location].~~

~~Cantilever Sign Structure No. [insert number], located at [insert location].~~

~~Butterfly Sign Structure No. [insert number], located at [insert location].~~

~~The Authority will furnish the sign support truss assemblies and end frames and the Contractor is responsible for furnishing all labor equipment necessary for delivering these items to the job site, erecting them on new pedestals, furnishing and installing all other required materials, such as sign hangers, horizontal support arms for walkways and luminaire support channels, walkway gratings, luminaire support channels, handrails, maintenance ladders and miscellaneous hardware resulting in a completed overhead sign structure in accordance with the plans, specifications and as directed by the Engineer.~~

~~Removal and salvaging of electronic sign systems from overhead sign structures that are to be removed shall be as specified in Division 600.~~

Add the following language to the end of this paragraph:

#### (D) Foundation Removal

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Sign structure footings shall be removed to a depth two (2) feet below finished grade and backfilled. Removal of the sign structures and footings shall be performed with extreme care so as to avoid damage to the facilities of the Authority and to prevent any needless interference or delays to Authority patron traffic.

#### **406.07 Measurement**

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Add the following language to the end of this Subsection:

Removal of overhead sign structures will be measured on a lump sum basis for each span, cantilever or butterfly type sign structure, and shall also include the removal of the existing footings and the delivery of all salvageable components as described in Section 406.05.

Add the following language to the end of this Subsection:

Removal of ground mounted signs supported on aluminum posts will be measured on a lump sum basis for each sign support system and shall also include the removal of the existing footings and the delivery of all salvageable components as described in Section 406.05.

~~Timber posts and poles for all Ground Mounted Signs will be measured in Linear Feet.~~

~~Excavation, formwork, concrete, steel post sleeves and fasteners for timber posts for Ground Mounted Signs will not be measured for payment, but the cost thereof shall be included in the bid price for the Timber Posts and Timber Poles.~~

Add the following language to the end of this Subsection:

Installation of new overhead sign structures furnished by others will be measured on a lump sum basis for each span, cantilever or butterfly type sign structure, and shall include the pickup, delivery and complete installation as described in Section 406.05.

Add the following language to the end of this Subsection:

Installation of new ground mounted signs supported on aluminum posts furnished by others will be measured on a lump sum basis for each sign support system and shall include the pickup, delivery and complete installation as described in Section 406.05.

#### **406.08 Payment**

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Replace the first paragraph after the pay item table with the following:

Quality acceptance for strength and ~~durability~~ fordurability for the Items "Concrete Foundations for Ground Mounted Signs" and "Concrete Foundations for Overhead Sign Structures" will be made in accordance with the specified Performance Criteria Category within Table 2 of Subsection 905.23.

~~Add the following:~~

| <u>PAY ITEM</u>                                      | <u>PAY UNIT</u> |
|--|-----------------|
| REMOVE EXISTING SPAN SIGN STRUCTURE NO. _____        | LUMP SUM        |
| REMOVE EXISTING CANTILEVER SIGN STRUCTURE NO. _____  | LUMP SUM        |
| REMOVE EXISTING BUTTERFLY SIGN STRUCTURE NO. _____   | LUMP SUM        |
| INSTALL OVERHEAD SPAN SIGN STRUCTURE NO. _____       | LUMP SUM        |
| INSTALL OVERHEAD CANTILEVER SIGN STRUCTURE NO. _____ | LUMP SUM        |
| INSTALL OVERHEAD BUTTERFLY SIGN STRUCTURE NO. _____  | LUMP SUM        |

Add the following:

| <u>PAY ITEM</u>   | <u>PAY UNIT</u> |
|---|-----------------|
| INSTALL OVERHEAD SPAN SIGN STRUCTURE NO. _____                | LUMP SUM        |
| INSTALL OVERHEAD CANTILEVER SIGN STRUCTURE NO. _____          | LUMP SUM        |
| INSTALL OVERHEAD BUTTERFLY SIGN STRUCTURE NO. _____           | LUMP SUM        |
| INSTALL GROUND MOUNTED SIGN ON ALUMINUM POSTS, LOCATION _____ | LUMP SUM        |

| <u>PAY ITEM</u>           | <u>PAY UNIT</u> |
|---------------------------|-----------------|
| TIMBER POSTS, " x " _____ | LINEAR FEET     |
| TIMBER POLES, CLASS _____ | LINEAR FEET     |

Add the following:

| <u>PAY ITEM</u>   | <u>PAY UNIT</u> |
|---|-----------------|
| REMOVE EXISTING SPAN SIGN STRUCTURE NO. _____                         | LUMP SUM        |
| REMOVE EXISTING CANTILEVER SIGN STRUCTURE NO. _____                   | LUMP SUM        |
| REMOVE EXISTING BUTTERFLY SIGN STRUCTURE NO. _____                    | LUMP SUM        |
| REMOVE EXISTING GROUND MOUNTED SIGN ON ALUMINUM POSTS, LOCATION _____ | LUMP SUM        |

Removal and salvaging of electronic sign systems from overhead sign structures that are to be removed shall be paid for separately under Division 600.

**SECTION 509 – SIGN PANELS**

**509.01 Description.**

Replace the subsection in its entirety ~~paragraph~~ with the following:

This work shall consist of furnishing, fabricating, and erecting overhead and ground mounted -standard sign panels, including sign panel stringers and associated mounting hardware, as well as u-channel posts, timber posts, and timber pole ground mount supports in accordance with the Plans and Specifications. The work shall also consist of removal of overhead and ground mounted sign panels as shown on contract plans and as directed by the Engineer.

See Section 406 for fabrication, furnishing, and erection of overhead sign support structures and aluminum posts for ground mounted signs.

**509.02 Materials**

Add the following language to the end of this Subsection:

|  |               |
|--|---------------|
| <u>DENSE GRADED AGGREGATE BASE.....</u>            | <u>902.07</u> |
| <u>PORTLAND CEMENT CONCRETE .....</u>              | <u>905.05</u> |
| <u>JOINT SEALERS.....</u>                          | <u>907.02</u> |
| <u>STRUCTURAL STEEL.....</u>                       | <u>909.01</u> |
| <u>FASTENERS .....</u>                             | <u>909.02</u> |
| <u>ZINC COATING (GALVANIZING).....</u>             | <u>909.11</u> |
| <u>TIMBER POSTS FOR GROUND-MOUNTED SIGNS .....</u> | <u>910.12</u> |

**509.03 Methods of Construction.**

Add the following after the second paragraph:

The fabricator shall submit shop drawing details to the Engineer for aluminum sheet sign panels, sign panel stringers, and mounting hardware for review and approval. The shop drawing shall include details for the sign panels, sign panel stringers and proposed stringer splices, and all mounting hardware.

See Subsection 406.03 for Engineer’s review of shop drawings for overhead sign support structures and aluminum posts for ground mounted signs.

Add the following after the fourth paragraph:

See Subsection 406.03 for Engineer’s review of shop drawings for sign support structures.

**(A) Aluminum Sheet Sign Panels.**

Add the following after the third paragraph:

Sign panel stringer splices shall be only used upon the approval of the Engineer. The fabricator shall submit for approval a shop drawing showing all stringer splice locations and details.

**(H) Timber Posts.**

Add the following at the end of this paragraph:

Limit field cutting of posts or poles to a minimum. Field treat the cut area with the original post or pole preservative.

Timber posts shall be installed in a galvanized steel sleeve embedded within a concrete footing atop an aggregate base in accordance with the details provided in the Contract Plans. Install stainless steel bolt, lock washer and nut in the bottom of the sleeve. Place timber post, with shim plates attached, in the sleeve in the excavated foundation. Carefully set the sleeve, using the temporary framing to ensure proper location. Seal the opening between the post and concrete with silicone joint sealer to prevent water infiltration into the sleeve.

~~Include the following with Contracts involving sign removal:~~

~~(K) Sign Removals.~~

Add the following after the second paragraph:

The removal of overhead sign panels shall include removing existing sign hangers, stringers, all connection hardware, lighting bracket if any, and disposing of all non-salvageable material outside of Authority property, as determined by the Engineer.

~~Delete Paragraph (M) in its entirety.~~

~~(K) Sign Removals.~~

Add the following:

~~The removal of overhead sign panels shall include removing existing sign hangers, stringers, all connection hardware, lighting bracket if any, and disposing of all non-salvageable material outside of Authority property, as determined by the Engineer.~~

**509.04 Measurement.**

~~Delete the second paragraph and replace it with the following:~~

~~U-Channel Posts of the various lengths furnished and installed will be measured in Linear Feet.~~

~~Timber posts and poles for all Ground Mounted Signs will be measured in Linear Feet.~~

~~Excavation, formwork, concrete, steel post sleeves and fasteners for timber posts for Ground Mounted Signs will not be measured for payment, but the cost thereof shall be included in the bid price for the Timber Posts and Timber Poles.~~

**509.05 Payment.**

Remove the following:

|                          |                    |
|--------------------------|--------------------|
| <u>PAY ITEM.....</u>     | <u>PAY UNIT</u>    |
| <u>TIMBER POSTS.....</u> | <u>LINEAR FEET</u> |

Add the following:

|                                 |                    |
|---------------------------------|--------------------|
| <u>PAY ITEM.....</u>            | <u>PAY UNIT</u>    |
| <u>TIMBER POSTS, " X ".....</u> | <u>LINEAR FEET</u> |
| <u>TIMBER POLES, CLASS.....</u> | <u>LINEAR FEET</u> |