

**THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY  
TWO MONTGOMERY STREET - 1st FLOOR  
JERSEY CITY, NJ 07302**

September 9, 2021

**ADDENDUM NO. 7**

TO PROSPECTIVE BIDDERS ON CONTRACT **PN-654.001** – PORT NEWARK – PORT STREET CORRIDOR IMPROVEMENTS AND CONTRACT **PN-654.001M** – PORT NEWARK – PORT STREET CORRIDOR IMPROVEMENTS – AGREEMENT TO PERFORM LANDSCAPE MAINTENANCE

The following changes are hereby made in the Contract Documents for the subject Contract.

This communication should be physically annexed to back cover of the book and initialled by each bidder before submitting his bid.

In case any bidder fails to conform to these instructions, his Bid will nevertheless be construed as though this communication had been so physically annexed and initialled.

CHANGES IN THE CONTRACT BOOKLET FOR CONTRACT PN-654.001

- Page 274 – Delete the entire page and substitute therefor new page 274 which is attached hereto and made a part hereof.
- Page 312 – Delete the entire page and substitute therefor new page 312 which is attached hereto and made a part hereof.
- Pages 315 – Delete these pages in their entireties and substitute therefor new pages 315 through 317 through 317 which are attached hereto and made a part hereof.

REVISED CONTRACT DRAWINGS

Drawings G004, CS001, C001, C103, C501, C521, C911, GT006, S004, S013, S021, S022, S023, S024, S027, S028, S039, S041, S110, S113, S117, S124, S127, S154, S155, S156, S167 and S205 have been revised as of 09/01/2021. A copy of these drawings are forwarded herewith electronically (via email or downloaded). Destroy the drawings of these numbers now in your possession and substitute therefor the revised drawings.

**THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY**

James Starace, P.E.  
Chief Engineer/Director

INITIALLED BY THE BIDDER:

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B. Construction Staging

- 1.) Work shall be performed sequentially in accordance with the numerical Stage sequence 1, 2, 3, 4, 5, 6 then 7 as shown on Contract Drawings CS001 through CS704 unless otherwise specified. Sub-stages are shown on Contract Drawings MT001 through MT147. All Work in each construction stage and construction sub-stage shall be completed to the satisfaction of the Engineer prior to the commencement of any Work in the subsequent construction stage or sub-stage, unless otherwise noted. Within six (6) calendar days of approval of the completion of the stage, the Engineer will make available the next area of Work.
- 2.) Stage 1
  - a. Perform Work in Work Areas identified in Stage 1.
  - b. Perform Work involving PSE&G duct bank in Stage 1.
  - c. Work in Stage 1 may be performed concurrently with Stages 2 and 3. Stage 1 Inner Port Street shall be completed before the start of Stage 4 and Stage 1 Outer Port Street shall be completed before the start of Stage 6.
- 3.) Stage 2
  - a. Perform Work in Sub-Stages 2A, 2B, 2C, 2D and 2E sequentially in alphanumeric order, unless otherwise specified.
  - b. Sub-Stage 2B shall commence only after the temporary traffic signal at Kellogg Street and Corbin Street is complete and operational. Removal of existing traffic signal shall commence only after the temporary traffic signal is complete and operational.
  - c. Perform Work in Sub-Stage 2C within 15 feet horizontally from the centerline of the existing FAPs Lead Track during "Weekend Hours".
  - d. No disturbance will be permitted to the Port Newark Channel March 1 through June 30 each year.
  - e. Sub-Stage 2E Work may be performed concurrently with Sub-Stages 2A, 2B, 2C and 2D.
- 4.) Stage 3
  - a. Perform Work in Sub-Stages 3A and 3B, sequentially in alphanumeric order, unless otherwise specified. Work in all Sub-Stages shall be scheduled 30 days in advance of Work.
  - b. Sub-Stage 3A Work may be performed concurrently with Stages 1 and 2.
  - c. When Sub-Stage 3B Work requires maintenance of traffic controls on NJ Turnpike Authority property as shown in the Contract Drawings, perform Sub-Stage 3B Work during "NJ Turnpike Authority Restricted Hours".
  - d. Sub-Stage 3B may be performed concurrently with Stage 4B.
  - e. During Sub-Stage 3B, after removal of the existing Corbin Street Ramp, but before installation of the Corbin Street Ramp, allow Williams Pipeline Company access to the area shown on the Contract Drawings for a period of 45 calendar days.
  - f. Foundation Work (Stage 3A) and superstructure steel Work in Sub-Stage 3B shall be performed during "Nighttime Hours". Other Work on the ramp may be performed during unrestricted hours once shielding is installed.

**DIVISION 03**  
**SECTION 031150**  
**BRIDGE DECK METAL FORM**

**PART 1. GENERAL**

## 1.01 SUMMARY

- A. This Section specifies requirements for bridge deck metal form used as stay-in-place formwork for roadway deck slabs.
- B. Related Work specified in other Sections of the Specifications includes the following:
  - 1. Division 03 Section on concrete.
  - 2. Division 05 Section on structural steel.

## 1.02 REFERENCES

The following is a listing of the publications referenced in this Section:

	<u>American Iron and Steel Institute (AISI)</u>
AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members.
	<u>ASTM International (ASTM)</u>
ASTM A 653	Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
ASTM A 780	Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.
ASTM A 924	Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
ASTM C 578	Specification for Rigid, Cellular Polystyrene Thermal Insulation.
	<u>American Welding Society, Inc. (AWS)</u>
AWS D1.3	Structural Welding Code – Sheet Steel.
AWS D1.5	Bridge Welding Code.
	<u>International Organization for Standardization (ISO)</u>
ISO 14021	Environmental Labels and Declarations – Self-declared environmental claims (Type II environmental labelling).

## 1.03 QUALITY ASSURANCE

- A. The entity performing the Work of this Section shall have a minimum of five years of experience in bridge deck metal form Work involving complexities similar to those required under this Contract and shall employ labor and supervisory personnel experienced in this type of Work.
- B. Employ qualified welding processes and welding operators in accordance with AWS D1.5 and AWS D1.3 and submit certification that welders to be employed in the bridge deck metal form Work have passed AWS qualification tests.

## **PART 3. EXECUTION**

### **3.01 INSTALLATION**

#### **A. General**

1. Install bridge deck metal form in accordance with the manufacturer's written recommendations, approved shop drawings and as specified in this Section.
2. Coordinate the on-site storage location of bridge deck metal form units, deck form supports and accessories with the Engineer to prevent overloading of structural members.
3. Place bridge deck metal form units on deck form supports and adjust to final position with ends accurately aligned and bearing on deck form supports before permanently attaching. Do not stretch or contract side lap interlocks.
4. Place bridge deck metal form units flat, square and secure to adjacent framing without warp or excessive deflection.
5. Install expanded polystyrene (EPS) for full length and for full depth of all bridge deck metal form troughs, unless otherwise shown on the Contract Drawings.
6. Bridge deck metal form units shall be supported from deck form supports and shall not be permitted to rest directly on the flanges of stringers or floor beams. Deck form supports shall be placed in direct contact with the flanges of stringers or floor beams. Weld deck form supports to portions of flanges subject to compression stresses. At portions of flanges subject to tensile stresses, where shown on the Contract Drawings, connection of deck form supports to the flanges shall be as shown on the Contract Drawings. Bridge deck metal form units shall be welded to deck form supports and shall have a minimum bearing length of one inch at each end.
7. Transverse construction joints shall be located at the bottom of a trough and 1/4-inch weep holes shall be field drilled at not less than 12 inches on centers along the line of the joint.
8. Screenshot and pouring runway supports shall not be located directly on the bridge deck metal form, deck form supports or reinforcing steel.
9. Bridge deck metal form or accessories shall not be left unsecured on the roadway deck slab at the end of each day's Work.
10. Bridge deck metal forms shall not be used where longitudinal slab construction joints are located between stringers or on the fascia overhang.
11. Bridge deck metal form units shall be fabricated to accommodate the placement sequence. Joints between sections of bridge deck metal form units shall be overlapped or securely fastened to eliminate differential deflections.

#### **B. Attaching Bridge Deck Metal Form**

1. Deck form units shall be mechanically fastened to steel supporting members as approved by the Engineer.
2. Deck form sheets shall be attached to supports with #12 self-tapping stainless steel screws at every form pitch along supporting members at each end and #10 self-tapping stainless steel screws at 12 inches on center along lapping edges.

C. Welding

Comply with AWS D1.5 and AWS D1.3 requirements and procedures for appearance and quality of welds and for methods used in correcting welding Work.

D. Cutting and Fitting

Cut and neatly fit bridge deck metal form and accessories around other Work projecting through or adjacent to the bridge deck metal form as approved by the Engineer.

E. Metal Joint Cover Plates, if any

Include metal joint cover plates at abutting ends and changes in direction of bridge deck metal form, except where taped joints are shown on the Contract Drawings.

F. Closure Strips

Include metal closure strips at open uncovered ends and edges of bridge deck metal form and in voids between bridge deck metal forms and other construction. Weld closure strips into position.

G. Touch-up Painting

After decking installation, wire brush, clean and paint scarred areas, welds and rust spots on top and bottom surfaces of deck form units and supporting steel members. Touch up galvanized surfaces with galvanizing repair paint as per ASTM A780 and applied in accordance with the manufacturer's instructions. Touch up painted surfaces with the same type of shop paint used on adjacent surfaces. In areas where shop-painted surfaces are to be exposed, apply touch-up paint to blend into adjacent surfaces.

3.02 PROTECTION

A. Do not use bridge deck metal form for storage or working platforms unless they are permanently secured in position.

B. Ensure that construction loads do not exceed the loads indicated in the bridge deck metal form manufacturer's load tables. Loads shall not cause indentations or permanent deformations of bridge deck metal form or accessories.

C. Unsecured bridge deck metal form shall not be left in place at the end of any day's Work.

END OF SECTION

**SECTION 031150**  
**BRIDGE DECK METAL FORM**

**APPENDIX "A"**  
**SUBMITTALS**

Submit the following in accordance with the requirements of "Shop Drawings, Catalog Cuts and Samples" of the GENERAL PROVISIONS:

Shop Drawings

- 031150A01      1. Shop drawings shall clearly indicate the dimensions, hardware, framing, reinforcement, anchorage, sump pans, cant strips, ridge and valley plates, closure strips and other details required by the Work of this Section. The preparation of shop drawings shall be coordinated with the Work of other Sections of the Specifications.

Catalog Cuts

- 031150B01      1. Bridge deck metal form catalog cuts from bridge deck metal form manufacturer with section properties, depth, shape and manufacturer's recommended installation instructions.

Samples

- 031150C01      1. Samples of the bridge deck metal form of sufficient size to show the material construction and workmanship involved in the fabrication of the bridge deck metal form.

Certificates

- 031150E01      1. Material certification from deck manufacturer that steel complies with ASTM A 653 and that galvanizing is in compliance with coating designation G165.

Qualifications

- 031150K01      1. For entity performing bridge deck metal form Work in accordance with 1.03 A.  
2. Welder qualifications in accordance with 1.03 B.  
3. Contractor's engineer qualifications in accordance with 1.03 C.

END OF APPENDIX "A"