

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

December 20, 2018

**ADDENDUM NO. 5**

TO PROSPECTIVE BIDDERS ON CONTRACT **GWB-244.236** – GEORGE WASHINGTON BRIDGE – INTELLIGENT TRANSPORTATION SYSTEM REPLACEMENT OF SIGNS AND FIELD DEVICES

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 initialed 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 initialed.

CHANGES IN THE CONTRACT BOOKLET

- Page v - Make the following changes:
- A. Immediately following "020740 REMOVAL" insert "020769 SELECTIVE DEMOLITION FOR INTERIORS".
  - B. Delete "024116 DEMOLITION AND DISPOSAL" with no substitution therefor.
- Page 197 - Immediately following Page 197, insert pages 197A through 197G (7 Pages), which are attached hereto and made a part hereof.
- Pages 201 - through 206 Delete Pages 201 through 206 in their entireties and substitute therefor "NOT USED".
- Page 315 - In D. 8. delete "3.04 D" and substitute therefor "3.03 B".
- Page 318 - On the fourth line of paragraph C. 1., delete "item 7)" with no substitution therefor.

- Page 322 - Immediately following paragraph A.3., insert the following new paragraphs:
- "B. Testing and Inspection Scheduling
1. Every 2 weeks, the Contractor shall submit an updated schedule for the following 6 weeks, indicating all testing and inspections required during that period.
  2. Every week, the Contractor shall submit an updated schedule for the following 2 weeks, indicating anticipated hours that will require the Contractor's inspector to be present during that period.
  3. The Contractor shall submit written notification, by email to those individuals identified by the Engineer, a minimum of 24 hours in advance of all Contractor inspections and testing, indicating location and start/finish times of said inspections and testing."
- Pages 323 - Delete pages 323 and 324 in their entireties and substitute therefor new pages 323 through 324 through 324A (3 pages) which are attached hereto and made a part hereof.

REVISED CONTRACT DRAWINGS

Drawing M806 has been revised as of 12/11/18. A copy of the drawing is forwarded herewith on CD. Destroy the drawings of this number now in your possession and substitute therefor the revised drawing.

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

James Starace, P.E.  
Chief Engineer/Director

INITIALLED BY THE BIDDER:

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**DIVISION 02**

**SECTION 020769**

**SELECTIVE DEMOLITION FOR INTERIORS**

**PART 1. GENERAL**

**1.01 SUMMARY**

- A. This Section includes the following:
  - 1. Demolition and removal of selected interior portions of a building and building closure.
  - 2. Repair procedures for selective demolition operations.
- B. Related Sections

The following Sections contain requirements that relate to this Section:

- 1. Division 6 Section "Rough Carpentry" for material and construction requirements for temporary enclosures.
- 2. Division 9 Section "Gypsum Drywall" for material and construction requirements for temporary enclosures.
- 3. Division 9 Section "Painting" for painting requirements for temporary enclosures.
- 4. Divisions 21-23 Sections for cutting, patching, or relocating mechanical items.
- 5. Division 26 Sections for cutting, patching, or relocating electrical items.

C. Definitions

- 1. Remove

Remove and legally dispose of items except those indicated to be reinstalled, salvaged, or to remain the Authority's property.

- 2. Remove and Salvage

Items indicated to be removed and salvaged remain the Authority's property. Remove, clean, and pack or crate items to protect against damage. Identify contents of containers and deliver to the Authority's designated storage area.

- 3. Remove and Reinstall

Remove items shown on the Contract Drawings; clean, service, and otherwise prepare them for reuse; store and protect against damage. Reinstall items in the same locations or in locations shown on the Contract Drawings.

- 4. Existing to Remain

Protect construction shown on the Contract Drawings to remain against damage and soiling during selective demolition. When permitted by the Engineer, items may be removed to a suitable, protected storage location during selective demolition and then cleaned and reinstalled in their original locations.

- D. Except for items or materials shown on the Contract Drawings to be reused, salvaged, reinstalled, or otherwise shown to remain property of the Authority, demolished materials shall become the Contractor's property and shall be removed from the site with further disposition at the Contractor's option.

1.02 REFERENCES

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

	<u>Resilient Floor Covering Institute</u>
RCFI-WP	Recommended Work Practices for the Removal of Resilient Floor Coverings

1.03 QUALITY ASSURANCE

- A. Demolition firm shall have successfully completed selective demolition Work similar to that shown on the Contract Drawings for the Work of this Contract.
- B. The Authority will occupy portions of the building immediately adjacent to selective demolition area. Conduct selective demolition so that the Authority's operations will not be disrupted. Provide not less than 72 hours' notice to the Engineer of activities that will affect the Authority's operations.
- C. Maintain access to existing corridors and other adjacent occupied or used facilities.
  - 1. Do not close or obstruct corridors or other occupied or used facilities without written permission from the Authority.
- D. The Authority assumes no responsibility for actual condition of areas to be selectively demolished.
  - 1. Conditions existing at time of inspection for bidding purposes will be maintained by the Authority as far as practical.
- E. Asbestos  

Asbestos may be present in the building to be selectively demolished. A report on the presence of asbestos, if any, is on file in the Engineer's office for review and use. Examine the report to become aware of locations where asbestos is present.

  - 1. Asbestos abatement, if any, is specified elsewhere in the Contract Documents.
  - 2. Do not disturb asbestos or any material suspected of containing asbestos except under the procedures specified elsewhere in the Contract Documents.
- F. Storage or sale of removed items or materials on-site will not be permitted.
- G. Utility Service  

Maintain existing utilities shown on the Contract Drawings to remain in service and protect them against damage during selective demolition operations.

  - 1. Maintain fire-protection services during selective demolition operations.
- H. Schedule selective demolition so as not to interfere with the Authority's, or its tenants' on-site operations.

1.04 SUBMITTALS

See Appendix "A" for submittal requirements.

## **PART 2. PRODUCTS**

### **2.01 MATERIALS**

- A. Where repairs are required by the Contract Drawings, use repair materials identical to existing materials.
  - 1. Where identical materials are unavailable or cannot be used for exposed surfaces, use materials that visually match existing adjacent surfaces to the fullest extent possible.
  - 2. Use materials whose installed performance equals or surpasses that of existing materials.

## **PART 3. EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that utilities have been disconnected and capped.
- B. Survey existing conditions and correlate with requirements shown on the Contract Drawings to determine extent of selective demolition required.
- C. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.
- D. When unanticipated mechanical, electrical, or structural elements that conflict with the demolition Work shown on the Contract Drawings are encountered, investigate and measure the nature and extent of the conflict. Promptly submit a written report to the Engineer.

### **3.02 PREPARATION**

- A. Do not proceed with selective demolition operations until chemicals, gases, explosives, acids, flammables, or other dangerous materials have been drained, purged, or otherwise removed, collected, and disposed of by others.
- B. Conduct demolition operations and remove debris to ensure minimum interference with corridors and other adjacent occupied and used facilities. Do not close or obstruct corridors or other adjacent occupied or used facilities without permission from the Authority.
- C. Conduct demolition operations to prevent injury to people and damage to adjacent facilities to remain. Ensure safe passage of people around selective demolition area.
  - 1. Erect temporary protection, such as railings, canopies, and covered passageways, where required by the Contract Drawings.
  - 2. Protect walls, ceilings, floors, and other existing finish work that are to remain and are exposed during selective demolition operations.
  - 3. Cover and protect furniture, furnishings, and equipment that have not been removed.
- D. Erect and maintain dustproof partitions and temporary enclosures to limit dust and dirt migration and to separate areas from fumes and noise.
  - 1. Construct dustproof partitions as shown on the Contract Drawings.
  - 2. Paint occupied side of partitions with paint system specified in Division 9 Section of the Specifications on painting.
  - 3. Maintain negative air pressure of not less than 2000 cfm in the selective demolition area, where required by Contract Drawings.

4. Insulate partition to provide noise protection to occupied areas, when required by Contract Drawings.
  5. Seal joints and perimeter. Equip partitions with dustproof doors and security locks.
  6. Weatherstrip openings.
- E. Provide and maintain interior shoring, bracing, or structural support to preserve stability and prevent movement of area to be selectively demolished.
1. Strengthen or add new supports when required during progress of selective demolition.

### 3.03 UTILITY SERVICES

- A. Do not interrupt existing utilities serving occupied or operating facilities, except when authorized in writing by the Engineer. Provide temporary services during interruptions to existing utilities, as acceptable to the Engineer.
1. Provide not less than 72 hours' notice to the Engineer if shutdown of service is required during changeover.

B. Utility Requirements

Locate, identify, shut off, disconnect, and seal or cap off utility services serving space to be selectively demolished, as shown on the Contract Drawings.

1. Where utility services are required to be removed, relocated, or abandoned, provide bypass connections to maintain continuity of service to other parts of the building before proceeding with selective demolition.
2. Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal the remaining portion of pipe or conduit after bypassing.

C. Utility Requirements

Refer to Divisions 21-23 and 26 Sections for shutting off, disconnecting, removing, and sealing or capping utility services. Do not start selective demolition until utility disconnecting and sealing have been completed and verified in writing.

### 3.04 POLLUTION CONTROLS

- A. Use water mist, temporary enclosures, and other suitable methods to limit the spread of dust and dirt. Comply with governing environmental protection regulations.
1. Do not use water when it may damage existing construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- B. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
1. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level.
- C. Wet mop floors to eliminate trackable dirt and wipe down walls and doors of demolition enclosure.
- D. Fully clean adjacent areas of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before start of selective demolition.

### 3.05 SELECTIVE DEMOLITION

- A. Demolish and remove existing construction only to the extent required by new construction and as shown on the Contract Drawings. Use methods required to complete Work within limitations of governing regulations and as follows:
  - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. To minimize disturbance of adjacent surfaces, use hand or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.
  - 2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
  - 3. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame cutting operations.
  - 4. Maintain adequate ventilation when using cutting torches.
  - 5. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
  - 6. Locate selective demolition equipment throughout the structure and remove debris and materials so as not to impose excessive loads, on supporting walls, floors, or framing.
  - 7. Dispose of demolished items and materials promptly. Onsite storage or sale of removed items is prohibited.
  - 8. Return elements of construction and surfaces to remain to condition existing before start of selective demolition operations.
- B. Comply with the Authority's regulations for using and protecting elevators, stairs, loading docks, building entries, and other building facilities during selective demolition operations.
- C. Demolish concrete and masonry in small sections. Cut concrete and masonry at junctures with construction to remain, using power-driven masonry saw or hand tools; do not use power-driven impact tools.
- D. Removal of Curtain Wall
  - 1. Remove curtain wall, including support framing and brackets, fasteners, glazing, and any appurtenances thereto. Coordinate removal of curtain wall inserts, if required for construction shown on the Contract Drawings.
  - 2. Coordinate removals of curtain wall with removals of concrete spandrels masonry walls, structural steel, roof copings, and floor slabs - as shown on Contract Documents.
- E. Remove resilient floor coverings and adhesive according to recommendations of the Resilient Floor Covering Institute's (RFCI) "Recommended Work Practices for the Removal of Resilient Floor Coverings."
- F. Remove residual adhesive and prepare substrate for new floor coverings by one of the methods recommended by RFCI.

### 3.06 PATCHING AND REPAIRS

- A. Promptly patch and repair holes and damaged surfaces caused to adjacent construction by selective demolition operations.
- B. Where repairs to existing surfaces are required by the Contract Drawings, patch to produce surfaces suitable for new materials.
- C. Restore exposed finishes of patched areas and extend finish restoration into adjoining construction to remain in a manner that eliminates evidence of patching and refinishing.
- D. Patch and repair floor and wall surfaces in the new space where demolished walls or partitions extend one finished area into another. Provide a flush and even surface of uniform color and appearance.
  - 1. Closely match texture and finish of existing adjacent surface.
  - 2. Patch with durable seams that are, as invisible as possible. Comply with specified tolerances.
  - 3. Where patching smooth painted surfaces, extend final paint coat over entire unbroken surface containing the patch after the surface has received primer and second coat.
  - 4. Remove existing floor and wall coverings and replace with new materials, if necessary, to achieve uniform color and appearance.
  - 5. Inspect and test patched areas to demonstrate integrity of the installation, where feasible.
- E. Patch, repair or rehang existing ceilings as necessary to provide an even-plane surface of uniform appearance.

### 3.07 DISPOSAL OF DEMOLISHED MATERIALS

- A. General  
Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.
- B. Burning  
Do not burn demolished material on-site.
- C. Disposal  
Transport demolished materials off the construction site and legally dispose of them.

### 3.08 CLEANING

- A. Sweep the construction site broom clean on completion of selective demolition operations.

END OF SECTION



## SECTION 020769

### SELECTIVE DEMOLITION FOR INTERIORS

#### APPENDIX "A"

#### SUBMITTALS

Submit the following in accordance with the requirements of "Shop Drawings, Catalog Cuts and Samples" of Division 1 - GENERAL PROVISIONS:

##### Construction and Installation Procedures

- 020769G01 Schedule of selective demolition activities indicating the following:
1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity.
  2. Interruption of utility services.
  3. Coordination for shutoff, capping, and continuation of utility services.
  4. Use of elevator and stairs.
  5. Detailed sequence of selective demolition and removal work to ensure uninterrupted progress of the Authority's, building manager's, or other tenants' on-site operations.
  6. Coordination of the Authority's continuing occupancy of portions of existing space and of the Authority's partial occupancy of completed Work.
  7. Locations of temporary partitions and means of egress.
  8. Locations of temporary partitions and means of egress for other tenants affected by selective demolition operations.

##### Schedules

- 020769J01 Inventory of items to be removed and salvaged.
- 020769J02 Inventory of items to be removed by the Authority.

END OF APPENDIX "A"

## SECTION 051200

### STRUCTURAL AND STAINLESS STEEL

#### APPENDIX "A"

#### SUBMITTALS

Submit the following in accordance with the requirements of "Shop Drawings, Catalog Cuts and Samples" of Division 1 - GENERAL PROVISIONS:

##### Shop Drawings

- 051200A01
- 1.Connection Design and Detailing as per 1.03 A. prior to submitting shop drawing.
  - 2.Prior to the commencement of fabrication, approval of shop drawings for all structural in accordance with 1.03 B.
  - 3.Erection drawings, procedures and design as per 1.03 C.
  - 4.Temporary protective shielding drawings and design as per 3.02F

##### Catalog Cuts

- 051200B01
- 1.Catalog cuts and manufacturer's literature on paint and grout specified under this section.
  - 2.Prior to commencing with fabrication of steel, submit certified copies of all mill reports covering the chemical and physical properties of all steel used in this Contract. Such certification shall be obtained from the mills producing the steel and shall certify that the steel meets the minimum requirements as to physical properties, inspection, marking, and tests for structural steel as defined by the American Society for Testing and Materials (ASTM) or in the case of bridges, AASHTO, for the type of steel shown on the Contract Drawings.
  - 3.Prior to commencing fabrication, mill certificates for high strength bolts as described in 1.04 D.
  - 4.Prior to commencing with fabrication of steel, welder qualifications and welding procedure specifications in accordance with 1.04 F.

##### Certificates

- 051200E01
- 1.A copy of AISC certification for the fabrication shop indicating the required Category as specified.

## Construction and Installation Procedures

- 051200G01
1. All AWS D1.1 pre-qualified joints or AWS D1.5, as applicable.
  2. Qualification procedures for all joints not pre-qualified by Section 3 of AWS D1.1 or AWS D1.5, as applicable.
  3. Written welding procedures for all weldments involving fracture-critical members in accordance with the Fracture Control Plan specified in 1.04 F.
  4. Written welding procedures developed by a welding consultant for all weldments involving heavy members (plates or elements with thickness 2 inches or greater) or a high degree of restraint (junctions of several members, multiple stiffeners, etc.), showing welded positions, sequence of assembly, preheat, interpass and postheat requirements and any other information required to provide a satisfactory connection.
  5. Welder qualifications.
  6. When all required Work has been approved by the Contractor's Quality Control personnel, the certification letter as specified in 1.04 H.

## Calculations

- 051200H01
1. Calculations for connection design and detailing shall accompany submittal A.2. in this appendix.
  2. Calculations to support steel erection shall accompany submittal A.3 in this appendix.
  3. Calculations to support temporary protective shielding shall accompany submittal A.4 in this appendix.

## Quality Assurance-Quality Control

- 051200L01
1. Organizational chart indicating specific names and titles of personnel clearly identifying the reporting structure of personnel and the qualifications of the individuals responsible for implementing the program.
  2. Material traceability, indicating the procedure used to identify each individual piece mark and its components that can be traced to a specific heat number on mill test reports.
  3. A procedure for handling nonconformance issues, including a sample worksheet for recording nonconformance issues. Include the name and title of the person responsible for final acceptance.
  4. The certifications and qualifications for AWS Certified Welding Inspectors (CWIs), International Code Council (ICC) Certified Bolting Inspectors, Non-Destructive testing personnel qualified to ASNT SNT-TC-1A Level II requirements, and their respective employers and nondestructive testing procedures. Include samples of inspection and testing forms to be used for the work of this Contract. Comply with all requirements specified in 1.04 C.
  5. A detailed schedule for the duration of fabrication at each shop and the duration of Work in the field. The schedule shall show, at a minimum, the start and end dates for ordering material, cutting material, fabricating material, painting material, and shipping material, erection and completion of structural steel Work. If the schedule changes, a revised schedule shall be submitted.
  6. A brief statement that explains the amount of steel, in tons, the shop is fabricating and the application(s) the fabrication is intended.
  7. A description of how the bolting inspections will be performed and reported. The International Code Council (ICC) certified Bolting Inspectors must certify that "all" bolted connections are installed and tensioned in accordance with the submitted and approved bolting procedures.
  8. Welding Consultant resume (when applicable).
  9. Name and location of shop that will perform painting work along with the shop's Quality Control Plan in accordance with Section 099100 entitled "Painting," if applicable.
  10. Notification, in writing, 15 days prior to commencing fabrication of structural steel.
  11. Notification, in writing, 15 days prior to commencing with surface preparation and painting, if applicable.
  12. Notification, in writing, 15 days prior to commencing field welding operations.

## Inspection Reports

- 051200O01
1. Inspection and test results from fabrication shop in accordance with 1.04 E within five days of inspections and tests.
  2. Inspection and test results from field tests in accordance with 3.03 B within five days of inspections and tests.

END OF APPENDIX "A"