ADDENDUM NO. 3

TO PROSPECTIVE BIDDERS ON CONTRACT GWB-244.112 – GEORGE WASHINGTON BRIDGE – REHABILITATION OF STRUCTURAL STEEL, REMOVAL OF LEAD BASED PAINT AND REPAINTING THE UNDERSIDE OF LOWER LEVEL

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 484          Immediately following this page, insert new page 485 (1 page) which is attached hereto and made a part hereof.

Page 538          Immediately following this page, insert new pages 539 through 542 (4 pages) which are attached hereto and made a part hereof.

Page 557          Delete this page in its entirety and substitute therefor new page 557 which is attached hereto and made a part hereof.

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

James Starace, P.E.
Chief Engineer/Director

INITIALLED BY THE BIDDER:
a. The scissor lift vehicle shall be manufactured and customized by one of the following manufacturers: JLG 1930 ES, Genie 1930; or approved equal

B. ELECTRICAL

1. GENERAL

a. All electrical equipment and its installation shall conform to the requirements of the latest revision of the Standard Specifications for Movable Highway Bridges of the American Association of State Highway and Transportation Officials (AASHTO), except as may be otherwise provided herein.

b. Materials and construction shall conform to the requirements of the current National Electrical Code, National Electrical Manufacturer’s Association (NEMA), Underwriter’s Laboratory (UL), local utility company requirements and to any local ordinances which may apply. Differences in standards or code requirements shall be resolved as determined by the Engineer.

c. The Contractor shall obtain any required permits and approvals of all Authority departments or Agencies having jurisdiction.

d. All work performed, and all materials furnished shall be in reasonably close conformity with the lines, grades, cross sections, and dimensions and materials requirements, including tolerances, shown on the Contract Drawings or indicated in the specifications.

e. Furnish and install each piece of electrical equipment and apparatus with a corrosion-resisting metal nameplate on which is stamped the name of the manufacturer and the rating or capacity of the equipment or apparatus.

f. Use corrosion-resisting material, such as aluminum, bronze, or stainless steel, for all metal parts of the installation, except parts that are specified to be structural steel. Use cast-iron, malleable iron, or steel with a hot-dip galvanized finish where specified herein.

g. Furnish and install vibration proof mounting hardware, wire and cable terminals.

h. The alignment and fastening of electrical equipment to be incorporated into the traveler machinery shall be done under the appropriate machinery item.

i. Submit for approval as soon as possible, details of any departures from the Contract Drawings or the Specifications that are deemed necessary by the Contractor, and reasons therefore on. No such departures shall be made, nor work started without approval of the Engineer.

j. Material requirements for specific apparatus, equipment, and materials are found in the articles under the section "Construction Details" in this item.

k. Materials will be subject to inspection at any time during the contract. Failure of the Engineer to note faulty material or faulty installation during construction will not relieve the Contractor of responsibility for removing or replacing such materials or redoing work which may fail to pass any of the Engineer’s inspections of this work at no additional cost to the Authority.
SECTION 148320
MAINTENANCE TRAVELERS

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

148320A01  
A) Phasing Drawings  
B) Traveler Assembly Drawings which include all components as listed in contract documents  
C) Erection Field Drawings  
D) Shop Drawings and Erection Drawings, Manufacturer's data and/or shop drawings shall be submitted for all manufactured, machined, purchased and assembled items.

148320A02  
A) Scissor Lift  
B) Fasteners  
C) Bearings  
D) Enclosed Gear Reducers  
E) Damping Struts  
F) Buffers  
G) Holding Brakes  
H) Shims  
I) Gimbal Joint  
J) Lubricant use for the various parts  
K) Certified dimension prints of all motors, brakes, brake wheels, limit switches, and other electrical apparatus external to the control panels.

148320A03  
Complete schematic wiring diagrams, including all power, control, and lighting connections. Identify electrical devices and each wire between devices by an individual designation of letters, numbers, or a combination of both; and use such designations wherever the devices or wires appear on other drawings. Include a complete set of catalog cuts for materials furnished for review at time of schematic submittal.

148320A04  
Layout drawings and internal connection diagrams of the control panels

148320A05  
A) Travelers Structures  
B) Docking Platform  
C) Track beam  
D) Track beam attachments  
E) Drive Trolleys  
F) Trolley Frames
G) Equalizer Assemblies
H) Swivel Assemblies
I) Hangers and redundant rope assembly
J) Wheels
K) A schedule of electrical apparatus which lists each electrical device by its designation as shown on the schematic wiring diagram and states for each device its rating, number of poles or contacts, function, catalog number, and location.

148320A06 Complete interconnection diagrams for all electrical apparatus and equipment used in the operation of the traveler and their auxiliaries. The diagrams shall be of the point-to-point type and shall show the external connections of all devices and equipment. The control system vendors shop drawings shall include complete drawings of terminal block layouts to allow the contractor to properly develop interconnect drawings. Computer-generated interconnection lists will not be acceptable in lieu of a true interconnection diagram.

148320A07 A complete schematic conduit and cable diagram or diagrams showing the interconnection of all devices and equipment, including conduits, ducts and junction boxes, and showing all multi conductor cables. Show the size of each conduit or duct, and the wire number of each conductor in the conduit, duct, or in multi conductor cables. Suitably number or letter each conduit, duct and multi conductor cable and show percent wire fill as applicable. As built documents shall also include the final installed length.

148320A08 A complete set of layout and installation drawings for the electrical work showing the location and installation, including support and mounting details, of all electrical apparatus and equipment. These drawings shall be to scale and shall show the exact location of all conduits, cables, wiring ducts, boxes, motors, brakes, limit switches, disconnect switches, and other electrical equipment and the method of supporting them on the structure.

148320A09 Outline drawings and mounting details of all navigation lights and collision sensors

148320A10 Detail drawings showing the construction and mounting details of all wiring troughs and raceways.

148320A11 Material listing and specifications for programmable logic controller, including input/output units, programming terminal, and equipment for interfacing.

148320A12 a. The programmable logic controller program listings in ladder-rung formats. Describe circuit functions; identify all contacts and outputs by word description and by number designation. Number ladder rungs sequentially for reference. Fully document and comment the ladder diagram and identify and list internal ladder logic relay contacts usage in other rungs. Reference inputs and outputs to locations of signals on interconnection diagram. Include a full cross-reference report.
b. Provide schedule of operations, schedule diagram and controls write-up.
Product Data

148320D01  Prior to commencing with fabrication of steel, submit three certified copies of all mill reports for approval, covering the chemical and physical properties of all steel, nuts, bolts, washers and anchor rods used in this Contract. Reports shall include results of Charpy V-notch tests, where required. Prior to commencing the erection of steel, the Contractor shall submit certificates to the Engineer. Such certificates shall be obtained from the mills producing the steel and shall certify in a cover letter submitted with the certificates, that the steel meets the minimum requirements as to physical properties, inspection, marking, and tests for structural steel as defined by the current edition of American Society for Testing and Materials (ASTM) or in the case of bridges, AASHTO, for the type of steel shown on the Contract Drawings.

148320D02  Prior to commencing installation, mill certificates for high strength bolts.

Manufacturer Test Reports

148320F01  Submit Factory Acceptance plan, procedures and reports in accordance with Part 5 – Testing

148320F02  Submit Commissioning Acceptance plan, procedures and reports in accordance with Part 5 – Testing

Calculations

148320H01  Connection Design and Detailing prior to submitting shop drawings.

Manuals, Warrantees/Guarantees

148320I01  Submit maintenance manual per Section 3.07 - Training, Operations & Maintenance Manual

148320I02  Submit operations manual per Section 3.07 - Training, Operations & Maintenance Manual

Qualifications

148320K01  Prior to commencing with fabrication of steel, welder qualifications and welding procedure specifications.

Quality Assurance-Quality Control

148320L01  Submit the Quality Control Programs for shop and field

148320L02  Submit the Fracture Control Plan, where applicable
148320L03 Name and location of shop that will perform painting Work
148320L04 Notification, in writing, 15 days prior to commencing fabrication
148320L05 Notification, in writing, 15 days prior to commencing with surface preparation and painting
148320L06 Notification, in writing, 15 days prior to commencing field welding operations
148320L07 Submit shop and field welding procedures

Spare Parts List
148320N01 A complete list of all spare parts furnished as part of the Contract.

Inspection Reports
148320O01 Inspection and test results from fabrication shop within five days of inspections and tests.
148320O02 Inspection and test results from field tests within five days of inspections and tests.

Training
148320Q01 Submit training plan and materials in accordance with requirements set forth in Section 3.07 – Training, Operations & Maintenance Manuals

Information
148320S01 Submit list of components requiring lubrication, type of lubrication, frequency, etc.

END OF APPENDIX "A"
PAGES
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THROUGH
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NOT USED