

SECTION 00 91 13
ADDENDUM

BOLTON POINT WATER TREATMENT FACILITY
ELECTRICAL UPGRADES
Addendum No. 1
Date Issued: 10/20/2023

The attention of bidders is called to the following changes to the Bid Documents, shall be taken into account in the preparation of Bids, and shall be a part of the Bid Documents

Bidders must acknowledge receipt of this Addendum on page 1 of the Bid Form.

PROJECT MANUAL

| <u>Section</u> | <u>Description</u> |
|----------------|--------------------|
|----------------|--------------------|

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| 00 52 13 | Article 4.02, <u>REPLACE</u> with the following: |
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4.02 “Contract Times: Days

- A. The Work will be substantially completed within 365 days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 455 days after the date when the Contract Times commence to run.

| | |
|----------|--|
| 01 10 00 | 01 10 00, <u>REPLACE</u> this section with the attached 01 10 00. |
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| 01 29 00 | 01 29 00, <u>REPLACE</u> this section with the attached 01 29 00. |
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| 01 31 13 | 01 31 13, <u>REPLACE</u> this section with the attached 01 31 13. |
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| 26 24 19 | Article 2.01, <u>REVISE</u> paragraph A: |
|----------|---|

“A. Acceptable manufacturer’s shall be Eaton, Allen-Bradley, ABB, Powell, Siemens, Square D, or approved equal”

| <u>Sheet No.</u> | <u>Description</u> |
|------------------|--------------------|
|------------------|--------------------|

| | |
|------|--|
| E401 | Keyed Notes, Demolition Diagram, <u>ADD</u> Keyed Note 7 attached to the 415kW Generator: |
|------|--|

“7. The generator shall remain and be the property of the Owner. Remove all circuiting and diesel fuel only.”

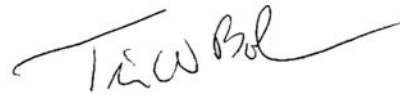
E401

Demolition Diagram, **ADD** Keyed Note 8 attached to the 2500kVA Main Transformer:

“8. The transformer shall remain and be the property of the Owner. Remove all circuiting only.”

END OF ADDENDUM

BARTON & LOGUIDICE, D.P.C.

A handwritten signature in black ink, appearing to read "Tim W Bol", with a long horizontal flourish extending to the right.

Timothy W. Bolan, P.E.
Vice President

/jms

Attachments

ADDENDUM

BOLTON POINT WATER TREATMENT FACILITY
ELECTRICAL UPGRADES

EMAIL TRANSMISSION – RETURN RECEIPT REQUESTED

PLEASE ACKNOWLEDGE BY RETURN EMAIL
(jfelber@bartonandloguidice.com)

Signature: _____

Date: _____

Title: _____

Company: _____

SECTION 01 10 00

SUMMARY OF WORK

PART 1 – GENERAL

1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. The following summary of Work is a general summary of the salient features of the Work to be performed by the General and Trades construction contractors. It does not supersede the requirements of the detailed technical specifications.
- B. Summary of Work:
 - 1. A new Electrical Building with approximate dimensions of 40' x 20'.
 - 2. HVAC for new Electrical Building.
 - 3. Replacement of existing exhaust fans and starters in existing electrical room.
 - 4. Site work for installation of new building and electrical equipment.
 - 5. New switchgear and associated circuiting to replace existing 480V, 3000A equipment.
 - 6. Installation of Owner-supplied equipment including a 750kW generator, 2.5MVA transformer, and Automatic Transfer Switch.
 - 7. New 35kV gang operated air break switch on existing structure.
 - 8. Start-up and commissioning of the improvements.
- C. Facility Address:
1402 East Shore Drive
Ithaca, NY 14850

1.02 NUMBER OF CONTRACTS

- A. Work will be performed under three (3) Prime Contracts, each Contract is identified in the following and on Drawings:
 - 1. Contract 1A – General Construction.
 - 2. Contract 1B – Mechanical Construction
 - 2. Contract 1C – Electrical Construction.
- B. Refer to Section 01 29 00, Payment Procedures, for detailed Pay Item descriptions.

1.03 WORK BY OWNER OR OTHERS

- A. Operation of existing facilities:

1. Pumps and valves and mechanical equipment will be operated solely by Bolton Point Water System staff only.
 2. Outages required to complete the Work shall be performed in strict accordance with these Contract Documents.
 3. Comply with Section 01 31 13, Project Coordination.
- B. Control system integration:
1. The Owner's Operations staff will integrate control signals into the Plant SCADA system.
 2. The Contractor shall terminate control wiring in appropriate control cabinet, as directed by the Owner's Operations staff and shall coordinate and assist the Owner in signal integration from Contractor-supplied equipment.

1.05 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Temporary easement:
1. Temporary staging and laydown area is available and shall be coordinated with Owner.
 2. No temporary construction easements have been secured from adjacent property owners for this Project.
 3. Contractor shall confine its activities to the Owner's property.
- B. Utility Outages and Shutdown:
1. Coordinate and schedule electrical and other utility outages with Owner.
 2. At least one week before scheduled outage, submit Outage Request to Engineer itemizing the date, time, and duration for each requested outage.

1.07 PERMITS

- A. Contractor shall secure all building permits, coordinate all inspections, pay all fees, to authorities having jurisdiction, and secure certificates of occupancy for all buildings and facilities constructed under this Contract.

PART 2 – PRODUCTS

(Not Used)

PART 3 – EXECUTION

(Not Used)

END OF SECTION

SUMMARY OF WORK
01 10 00-2R

10.23
677.006.001

SECTION 01 29 00

PAYMENT PROCEDURES

PART 1 – GENERAL

1.01 SUBMITTALS

- A. Informational Submittals:
 - 1. Schedule of Values: Submit on Form EJCDC C620.
 - 2. Application for Payment.
 - 3. Final Application for Payment

1.02 SCHEDULE OF VALUES

- A. Prepare a separate Schedule of Values for each schedule of the Work under the Agreement.
- B. Upon request of the Engineer, provide documentation to support the accuracy of the Schedule of Values.
- C. Unit Price Work: Reflect unit price quantity and price breakdown from conformed Bid Form.
- D. Lump Sum Work:
 - 1. Reflect specified cash allowances and alternates, as applicable.
 - 2. List bonds and insurance premiums, mobilization, demobilization, progress schedule preparation, equipment testing, facility start-up, and contract closeout separately.
 - 3. An unbalanced or front-loaded schedule will not be accepted.
- E. Summation of the complete Schedule of Values representing all the Work shall equal the Contract Price.

1.04 SCHEDULE OF ESTIMATED PROGRESS PAYMENTS

- A. Show estimated payment requests throughout Contract Times aggregating initial Contract Price.
- B. Base estimated progress payments on initially acceptable progress schedule. Adjust to reflect subsequent adjustments in progress schedule and Contract Price as reflected by modifications to the contract Documents.

1.05 APPLICATION FOR PAYMENT

- A. Transmittal Summary Form: Attach one Summary Form with each detailed Application for Payment for each schedule and include Request for Payment of Materials and Equipment On-Hand, as applicable. Execute certification by authorized officer of Contractor.
- B. Use detailed Application for Payment EJCDC C-620.
- C. Prepare separate form for each schedule, as applicable.
- D. Include accepted Schedule of Values for each schedule or portion of lump sum Work and the unit price breakdown for the Work to be paid on a unit price basis.
- E. Include separate line item for each Change Order and Work Change Directive executed prior to date of submission. Provide further breakdown of such, as requested by the Engineer.

1.06 PAY ITEMS

- A. Schedule 1A – General Construction – Base Bid Items:
 - 1. Pay Item 1A.1, Mobilization:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site and for demobilization.
 - 1) Fifty percent (50%) of the lump sum price bid for mobilization or \$50,000, whichever is less, will be paid upon application for payment, but no sooner than 15 days after start of the Work at the project site.
 - 2) Forty percent (40%) of the lump sum price bid for mobilization or \$40,000, whichever is less, will be paid with the first regular pay application after ten percent (10%) of the original total contract amount, including payments for delivered materials but excluding mobilization, is earned.
 - 3) The balance of the lump sum price for mobilization will be paid upon completion of all work on the project, including final cleanup, including but not limited to demobilization and restoration activities. Specifically excluded from this item is remobilization associated with punch list or warranty work.

2. Pay Item 1A.2, General Construction:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all general construction work shown on the Drawings and specified herein, including coordination with the Owner and other contractors, general requirements, sequencing, and other related items, as shown and specified herein, or as may be required.
 - c. Related Work:
 - 1) Drawings:
 - a) C-Drawings.
 - b) A-Drawings.
 - c) S-Drawings.
 - b) Coordination with other Contracts, as shown or called on these Drawings.
 - 2) Specifications:
 - a) Division 00, Bidding Requirements.
 - b) Division 01, General Requirements.
 - c) Applicable sections of Division 02, Existing Conditions
 - d) Division 03, Concrete
 - e) Division 04, Masonry
 - f) Division 05, Metals
 - g) Division 07, Thermal and Moisture Protection
 - h) Division 08, Openings
 - i) Division 09, Finishes
 - j) Division 22, Plumbing
 - k) Division 31, Earthwork
 - l) Division 32, Exterior Improvements
 - m) Division 33, Utilities

B. Schedule 1A – General Construction – Alternate Bid Items:

1. Pay Item 1, General Construction:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all general construction work shown on the Drawings and specified herein, including coordination with the Owner and other contractors, general requirements, sequencing, and other related items, as shown and specified herein, or as may be required.
 - c. Related Work:
 - 1) Specifications:
 - a) Applicable sections of Division 03, Concrete

- C. Schedule 1B – Mechanical Construction – Base Bid Items:
1. Pay Item 1B.1, Mobilization:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site and for demobilization.
 - 1) Fifty percent (50%) of the lump sum price bid for mobilization or \$50,000, whichever is less, will be paid upon application for payment, but no sooner than 15 days after start of the Work at the project site.
 - 2) Forty percent (40%) of the lump sum price bid for mobilization or \$40,000, whichever is less, will be paid with the first regular pay application after ten percent (10%) of the original total contract amount, including payments for delivered materials but excluding mobilization, is earned.
 - 3) The balance of the lump sum price for mobilization will be paid upon completion of all work on the project, including final cleanup, including but not limited to demobilization and restoration activities. Specifically excluded from this item is remobilization associated with punch list or warranty work.
 2. Pay Item 1B.2, Mechanical Construction:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all general construction work shown on the Drawings and specified herein, including coordination with the Owner and other contractors, general requirements, sequencing, and other related items, as shown and specified herein, or as may be required.
 - c. Related Work:
 - 1) Drawings:
 - a) M-Drawings.
 - b) Coordination with other contracts, as shown or called on these Drawings.
 - 2) Specifications:
 - a) Division 00, Bidding Requirements.
 - b) Division 01, General Requirements.
 - c) Applicable sections of Division 02, Existing Conditions
 - d) Division 23, Heating, Ventilation and Air Conditioning

- D. Schedule 1C – Electrical Construction – Base Bid Items:
1. Pay Item 1C.1, Mobilization:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site and for demobilization.
 - 1) Fifty percent (50%) of the lump sum price bid for mobilization or \$50,000, whichever is less, will be paid upon application for payment, but no sooner than 15 days after start of the Work at the project site.
 - 2) Forty percent (40%) of the lump sum price bid for mobilization or \$40,000, whichever is less, will be paid with the first regular pay application after ten percent (10%) of the original total contract amount, including payments for delivered materials but excluding mobilization, is earned.
 - 3) The balance of the lump sum price for mobilization will be paid upon completion of all work on the project, including final cleanup, including but not limited to demobilization and restoration activities. Specifically excluded from this item is remobilization associated with punch list or warranty work.
 2. Pay Item 1C.2, Electrical Construction:
 - a. Measurement: lump sum.
 - b. Payment: Payment shall be full compensation for all general construction work shown on the Drawings and specified herein, including coordination with the Owner and other contractors, general requirements, sequencing, and other related items, as shown and specified herein, or as may be required.
 - c. Related Work:
 - 1) Drawings:
 - a) E-Drawings.
 - b) Coordination with other contracts, as shown or called on these Drawings.
 - 2) Specifications:
 - a) Division 00, Bidding Requirements.
 - b) Division 01, General Requirements.
 - c) Applicable sections of Division 02, Existing Conditions
 - d) Division 26, Electrical

1.07 NONPAYMENT FOR REJECTED OR UNUSED PRODUCTS

- A. Payment will not be made for the following:
 - 1. Loading, hauling, and disposing of rejected material.
 - 2. Quantities of material wasted or disposed in a manner not called for in the Contract Documents.
 - 3. Rejected loads of material, including material rejected after it has been placed by reason of failure of Contractor to conform to provision of Contract Documents.
 - 4. Material not unloaded from transporting vehicle.
 - 5. Defective Work not accepted by the Owner.
 - 6. Material remaining on hand after completion of the Work.

1.08 PARTIAL PAYMENT FOR STORED MATERIALS AND EQUIPMENT

- A. Partial Payment: No partial payments will be made for materials and equipment delivered or stored unless shop drawings and preliminary operation and maintenance data has been accepted by the Engineer.
- B. Final Payment:
 - 1. Will be made only for products incorporated into the Work.
 - 2. Remaining products, for which partial payments have been made shall revert to Contractor unless otherwise agreed, and partial payments made for those items will be deducted from final payment.

1.09 PARTIAL PAYMENT FOR UNDELIVERED, PROJECT-SPECIFIC MANUFACTURED OR FABRICATED EQUIPMENT

- A. Notwithstanding the above provisions, partial payments for undelivered (not yet delivered to Site or not stored in the vicinity of the Site) products specifically manufactured for this Project, excluding off-the-shelf or catalog items, will be made for products listed below when all following conditions exist:
 - 1. Partial payment request is supported by written acknowledgement from Suppliers that invoice requirements have been met.
 - 2. Equipment is adequately insured, maintained, stored, and protected by appropriate security measures.
 - 3. Each equipment items is clearly marked and segregated from other items to permit inventory and accountability.
 - 4. Authorization has been provided for access to storage Site for Engineer and Owner.
 - 5. Equipment meets applicable Specifications of these Contract Documents.

- B. Failure of Contractor to continue compliance with above requirements shall give cause for Owner to withhold payments made for such equipment from future partial payments.

PART 2 – PRODUCTS

(Not Used)

PART 3 – EXECUTION

(Not Used)

END OF SECTION

SECTION 01 31 13

PROJECT COORDINATION

PART 1 – GENERAL

1.01 DESCRIPTION

- A. The Owner's operations staff will maintain control over its facilities for the duration of the Contract.
- B. No work shall be undertaken which would jeopardize the minimum required conveyance or capacity of the existing conveyance and treatment systems.
- C. All outages, cut-overs and connections of new Work to the existing conveyance system shall be coordinated with the respective Owner's operating personnel.

1.02 RELATED WORK AT THE SITE

- A. General:
 - 1. Other work that is either directly or indirectly related to schedule performance of the Work under these Contract Documents, listed henceforth, is anticipated to be performed at the Site by others.
 - 2. Coordinate the Work of the Contract Documents with work of others as specified in the General Conditions.
 - 3. Include sequencing constraints specified herein as a part of Progress Schedule.

1.03 FACILITY OPERATIONS

- A. Continuous operation of Owner's facilities is of critical importance. Schedule and conduct activities to enable existing facilities to operate continuously, unless otherwise specified.
- B. Perform Work continuously during critical connections and change-overs, and as required to prevent interruption of the Owner's operation.
- C. When necessary, plan, design, and provide various temporary services, utilities, connections, temporary piping and heating, access, and similar items to maintain continuous operations of the Owner's facilities.

- D. Facility operations schedule:
 - 1. Normal Plant hours of operation:
 - a. Weekdays: Plant operates from 08:00 AM to 4:00 PM.
- E. Do not take any action which would affect the operation of existing systems, except as specifically required by the Contract Documents and after authorization by Owner and Engineer. Such authorization will be considered within 48 hours after receipt of Contractor's written request.

1.04 SUBSTANTIAL COMPLETION

- A. Completion of the following items shall constitute Substantial Completion for the Work:
 - 1. Schedule A, General Construction:
 - a. Complete site and building construction. Submittal and acceptance of all O&M manuals shall be completed and ready for the Owner's use.
 - b. Successful completion of this work shall constitute Substantial Completion of the Schedule A work and shall set the date of warranty period commencement for all labor, equipment, and material furnished by the Contractor.
 - 2. Schedule B, Mechanical:
 - a. Complete construction of all mechanical equipment. Submittal and acceptance of all O&M manuals shall be completed and ready for the Owner's use.
 - b. Successful completion of this work shall constitute Substantial Completion of the Schedule B work and shall set the date of warranty period commencement for all labor, equipment, and material furnished by the Contractor.
 - 3. Schedule C, Electrical:
 - a. All building electrical services, generator system, lights, switchgear, terminations, third-party acceptance tests, conduit and wire labeling. Submittal and acceptance of all O&M manuals shall be completed and ready for the Owner's use.
 - b. Successful completion of this work shall constitute Substantial Completion of the Schedule C work and shall set the date of warranty period commencement for all labor, equipment, and material furnished by the Contractor

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION
(Not used)

END OF SECTION