ADDENDUM #1

Date: October 23, 2024

Re: Maine Department of Agriculture, Conservation, and Forestry
Bureau of Parks and Lands
Lake Saint George State Park Facilities and Utilities Upgrades
Liberty, Maine

From: Haley Ward, Inc.
One Merchants Plaza, Suite 701
Bangor, ME 04401

Owner Project No:
BGS Project No: 3516
Project No: 14641.008

To: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original bidding documents dated October 2024. Contractor is responsible for carefully examining Addenda. Failure to do so may subject the Bidder to disqualification. The original conditions shall govern for all work unless specifically exempted or modified herein.

This Addendum consists of 12 pages (With Attachments: 10 Pages) and is being issued to meet the requirements of the Project Manual.

GENERAL

Included with this Addendum are the Pre-Bid Meeting Minutes and Pre-Bid Meeting Sign-in Sheet from October 16, 2024.

Answers to Questions that have been asked:

Q: What percentage of the project is required to meet Build America Buy America (BABA)?
A: In accordance with Article 5 of Specification Section 00 72 14 Supplemental General Conditions, the entirety of the project shall "to the greatest extent practicable" be required to meet domestic preference for procurement of goods, products, and materials.

Q: Where will the staging areas be located during the Work?
A: Staging areas will be coordinated with the Owner and availability will change depending on the season. Between October 15th and May 1st, Contractor may use the day-use and campground portions of the park for staging of materials and equipment. Between May 2nd and October 14th (peak seasonal park use), Owner will provide Contractor with a map of designated staging locations.

Q: Can the propane tank pad for the Campground Bath House be shifted?
A: The propane tank pad shall be installed to the north of the existing Campground Bath House in the approximate location shown on the Civil Drawings. Contractor shall ensure that the pad is not installed over the septic tank, pump station, or associated components, and shall coordinate the final location of the pad with the Park's staff before construction.

Q: What does rehabilitation of the existing well consist of?

A: Contractor shall excavate down 5 feet around the casing of the existing well, shall inspect the well casing, shall cut the existing casing, shall weld a new piece of casing onto the existing casing, and shall install an anode on the new length of casing. For the Bid, assume a quantity of 20 linear feet of casing for replacement. If, during inspection of the existing well casing, Contractor determines that the casing below a depth of 5 feet is also unsuitable, Contractor shall notify Owner and Engineer before proceeding with any additional work.

Q: In CMP territory, underground single phase primary entrances do not require concrete transformer pads. We usually use High Line HL48M fiberglass pads. Can we uses these in place of the specified concrete pads?

A: Yes, fiberglass box pads can be used in place of the specified concrete pads. These pads must meet the requirements of CMP Handbook Illustration No. 26 – 364-3 / "Fiberglass box pad".

Q: CMP standards call for 2.5" PVC conduits for an underground single-phase primary line extension. Can we install two 2.5" PVC conduits in the ground, with two 2.5" PVC conduit risers up the pole, in place of the 5" conduits?

A: This is a loop feed system to CMP standards with the intent to deed back to CMP after completion. (3) 3" conduits can be provided in place of the (3) 5" conduits. (2) conduits shall have (1) #2 AWG-CU 15kV cable with concentric neutral for primary feed and loop feed. The third conduit shall be a spare.

Q: At the base of the pole that has the primary conduit risers, we usually have a break in the conduit for a "frost loop" of URD cable buried in dead sand, not a 90-degree sweep. This makes it much less likely that frost will damage our installation. Can we use that technique here?

A: Yes, this is acceptable.

Q: If the overhead CMP line on Route 3 is 7,200 volts, we typically use two 2.5" conduits and 15kVA URD. If the overhead line is 19,900 volts, I prefer to use two 3" conduits, as the 35kVA URD pulls much easier in 3" conduit. Is this an acceptable plan? If so, can you tell us the voltage on the overhead lines on route 3?

A: See answer above about conduits. Provide 15 kV rated cable.

Q: Is it your intent to build this to CMP standards, then deed the entrance back to CMP, so they maintain it in perpetuity? If so, we will need two conduits with two URD cables (one being used and one as a spare). If not, we can only bury one conduit with one URD cable, and this will save money. Let me know which is preferred.

A: The intent is to build this to CMP standards and to deed the entrance back to CMP.

CHANGES TO BID DOCUMENTS

Specification Section 33 14 19 – Water Utility Distribution Valves

Remove the previous version of this Specification Section from the Contract Documents and replace with the attached revision of this Specification Section.

PRE-BID MEETING MINUTES

LAKE SAINT GEORGE STATE PARK FACILITIES AND UTILITIES UPGRADES
(BGS 3516)

Lake Saint George State Park, Liberty, Maine | October 16, 2024 | 10:00 AM

A. INTRODUCTIONS

OWNERS

Maine Department of Agriculture, Conservation, and Forestry, Bureau of Parks and Lands

Ryan Kerr – Senior Planner

Matthew Hamilton – Northern Regional State Park Manager

ENGINEERS

Sienna Faessler, P.E. – Haley Ward

Joshua Saucier, P.E. – Haley Ward

Jeremy Beaulieu, P.E. – Haley Ward

B. SIGN-IN SHEET

This is a non-mandatory pre-bid meeting for the Lake Saint George State Park Facilities and Utilities Upgrades project.

C. PROJECT DESCRIPTION & SCOPE OF WORK

The Work shall generally consist of facilities and utilities upgrades at Lake Saint George State Park in Liberty, Maine. The Work to be included in the Base Bid shall include re-roofing the existing barn, upgrading electrical utilities to the existing residence and barn structures, and rehabilitating the existing potable water well.

Alternate Bid items shall include:

- Bid Alternate #1: New Potable Water Well
- Bid Alternate #2: Residence Generator
- Bid Alternate #3: Campground Bath House Upgrades
- Bid Alternate #4: Day-Use Bath House Upgrades
- Bid Alternate #5: Campground and Campsite Utilities
- Bid Alternate #6: Parking Lot and Entry Paving
- Bid Alternate #7: Residence and Barn Heat Pumps

The Owner is exempt from the State of Maine sales and use taxes on materials and equipment to be incorporated in the Work.

Owner reserves the right to reject any or all bids.

D. COMPLETION TIME & PROJECT SCHEDULE

The project shall designate the Substantial Completion Date on or before August 29, 2025, and the Contract Final Completion Date on or before September 30, 2025.

E. OBTAINING PLANS AND SPECIFICATIONS

Digital copies of the Project Manual may be obtained by contacting Haley Ward, Inc. at sfaessler@haleyward.com. Prospective bidders must register with Haley Ward for their bid to be considered.

F. QUESTIONS DURING BID

Questions can be directed to Chip Haskell, P.E. at chaskell@haleyward.com.

All questions must be submitted to the Engineer by **5:00 PM** on **Tuesday, October 22, 2024**, to allow for sufficient time to issue an addendum.

G. BID ADDENDUM

Contractor is responsible for carefully examining any Addenda.

H. BID OPENING

Bids are due as an email addressed to BGS.Architect@Maine.gov no later than **2:00 PM** on **Thursday, October 31, 2024**. The email subject line shall be marked "Bid for Lake Saint George State Park Water Facilities and Utilities Upgrades."

I. REQUIRED BID SUBMITTALS

1. Completed and Signed Contractor Bid Form
2. Bid Security

J. SAFETY

Contractor to ensure compliance with all applicable worker safety rules and shall maintain the active work site with due diligence to protect site users, including but not limited to subcontractors, the general public, State Park employees, and Engineer's employees.

K. SPECIAL CONSIDERATIONS

This project is being funded by the Bureau of General Services (BGS).

- Contractor must use BGS forms for payment applications and for any project changes.
- Project is subject to both Davis Bacon wage requirements and BABA materials procurement requirements.

Environmental Considerations:

- Shoreland Zone Boundary
- Erosion and sedimentation control measures installation and inspection
- Discharge of pollutants (soil materials, chemicals, trash, petroleum products, etc.) to any body of water onsite will trigger an immediate stop work order.

L. STAGING, ACCESS, PARKING, USE OF FACILITIES

Contractor to coordinate with Owner for staging, access, parking, and use of facilities. Contractor is responsible for Traffic Control, as required.

M. WAGE RATES

See Specification Section 00 73 46 Wage Determination Schedule.

N. WORK OR SERVICES BY OTHERS

At this time, there is no other known work by others in this area.

O. MISCELLANEOUS

N/A

P. QUESTIONS

Questions received during the pre-bid meeting are answered herein.

Q: What percentage of the project is required to meet Build America Buy America (BABA)?

A: In accordance with Article 5 of Specification Section 00 72 14 Supplemental General Conditions, the entirety of the project shall "to the greatest extent practicable" be required to meet domestic preference for procurement of goods, products, and materials.

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A: Staging areas will be coordinated with the Owner and availability will change depending on the season. Between October 15th and May 1st, Contractor may use the day-use and campground portions of the park for staging of materials and equipment. Between May 2nd and October 14th (peak seasonal park use), Owner will provide Contractor with a map of designated staging locations.

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PRE-BID MEETING SIGN IN	
Lake Saint George State Park Facilities and Utilities Upgrades (BGS 3516)	Job No: 14641.008
Non-Mandatory | Wednesday, October 16, 2024 | 10:00 AM	

COMPANY / CONTACT / ADDRESS	TELEPHONE / FAX / CELL / EMAIL
BENCHMARK - WESTBROOK KIM RICE	TEL: 207 - 591 - 7600 FAX: 591 - 7602 CELL: 207 - 323 - 2199 EMAIL: KRICE@BENCHMARKCONSTRUCTION.ORG
CEM Jason Stutheit Brochs / Herrum	TEL: 207 878 7486 FAX: CELL: EMAIL: Jason@cemmaine.com
Bowman Constructors Jesse Johnson 552 Moosehead Trail, Newport	TEL: 207-369-2405 FAX: CELL: 443-367-7116 EMAIL: bids@bowmanconstructors.com
HEDSTROM ELECTRIC TOM HEDSTROM 24 MT. BATTIE ST, CAMDEN	TEL: 207-701-6264 FAX: CELL: EMAIL: Tom@HedstromElectric.com
	TEL: FAX: CELL: EMAIL:

SECTION 33 14 19

WATER UTILITY DISTRIBUTION VALVES
ADDENDUM 1

PART 1 GENERAL

1.1 SCOPE OF WORK

A. Furnish all labor, materials, equipment and incidentals required and provide all buried valves and all accessories as shown on the Drawings and as specified herein.

1.2 RELATED WORK

A. Section 31 23 23 - Backfill.

B. Section 31 23 17 - Trenching.

C. Section 33 14 13 - Public Water Utility Distribution Piping.

1.3 SUBMITTALS

A. Submittals shall include the following:
   1. Manufacturer's literature, illustrations, specifications and engineering data including:
      a. Dimensions.
      b. Size.
      c. Materials of construction.
      d. Weight.

B. Test Reports
   1. Four copies of all certified shop test results specified herein.

C. Operation and Maintenance Manuals
   1. Submit complete operation and maintenance manuals including copies of all approved Shop Drawings.

D. Certificates
   1. Certificates of compliance where required by referenced standards: For each valve specified to be manufactured and/or installed in accordance with AWWA and other standards, submit an affidavit of compliance with the appropriate standards, including certified results of required tests and certification of proper installation.

1.4 REFERENCE STANDARDS

A. Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified.

B. American Water Works Association (AWWA)
   1. AWWA C111 - Rubber-Gasket Joints for Ductile-Iron and Pressure Pipe and Fittings.
   2. AWWA C500 - Metal-Seated Gate Valves, for Water Supply Service.
   3. AWWA C502 - Dry-Barrel Fire Hydrants.
   4. AWWA C504 - Rubber-Seated Butterfly Valves.
   5. AWWA C509 - Resilient-Seated Gate Valves for Water Supply Service.
   6. AWWA C901 - Polyethylene (PE) Pressure Pipe, Tubing, and Fittings, ¾ In. through 3 In., for Water Service.

C. American National Standards Institute (ANSI)
   1. ANSI B16.1 – Cast Iron Pipe Flanges and Flanged Fittings.

D. American Society for Testing and Materials (ASTM)
   1. ASTM A48 - Standard Specification for Gray Iron Castings.
   2. ASTM A126 - Standard Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings
   3. ASTM A153 - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
   4. ASTM A276 - Standard Specification for Stainless Steel Bars and Shapes.
   5. ASTM A536 - Standard Specification for Ductile Iron Castings.
   6. ASTM D2513 - Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings.

E. Where reference is made to one of the above standards, the revision in effect at the time of bid opening shall apply.

1.5 QUALITY ASSURANCE

A. Manufacturer's Qualifications
   1. Valves and appurtenances provided under this Section shall be the standard product in regular production by manufacturers whose products have proven reliable in similar service for at least 5 years. If required, the manufacturer shall furnish evidence of installation in satisfactory operation.
   2. All units of the same type shall be product of one manufacturer.

B. Design Criteria
   1. All valves and appurtenances shall be new and in perfect working condition. Valves shall be designed for continuous use with a minimum of maintenance and service required and shall perform the required function without exceeding the safe limits for stress, strain or vibration. In no case will used or damaged valves be acceptable. The selection of equipment to meet the specified design conditions is the responsibility of the Contractor. Both workmanship and material shall be of the very best quality and shall be entirely suitable for the service conditions specified.

C. Source Quality Control
   1. Valves shall be shop tested in accordance with the following:
      a. Gate valves: AWWA C500.

b. Ball valves: AWWA C901.

2. Obtain each type of valve from no more than one manufacturer.

1.6 SYSTEM DESCRIPTION

A. General

1. All valves and appurtenances shall be suitable for use on potable water systems.

2. All materials, components, products, systems and coatings that come into contact with drinking water must be certified to meet NSF/ANSI Standard 61.

1.7 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to the site to ensure uninterrupted progress of the work.

B. Protect threads and seats from corrosion and damage. Rising stems and exposed stem valves shall be coated with a protective oil film which shall be maintained until time of use.

C. Furnish covers for all openings.

1. All valves 3-in and larger shall be shipped and stored on site until time of use with wood or plywood covers on each valve end.
2. All valves smaller than 3-in shall be shipped and stored as above except that heavy cardboard covers may be furnished instead of wood.

D. Store equipment to permit easy access for inspection and identification. Any corrosion in evidence at the time of Owner acceptance shall be removed, or the valve shall be removed from the job.

E. Store all equipment in covered storage off the ground.

1.8 COORDINATION

A. Review installation procedures under other Sections and coordinate with the work which is related to this Section including buried piping installation, site utilities, control building construction, storage tank construction, heating, ventilating and air conditioning, and plumbing.

B. Coordinate the location and placement of concrete thrust blocks when required.

PART 2 PRODUCTS

2.1 GENERAL

A. All buried valves shall have an open direction as per the manufacturer.

B. The use of a manufacturer's name and/or model or catalog number is for the purpose of establishing the standard of quality and general configuration desired.

C. Valves shall be of the size shown on the Drawings or as noted and as far as possible equipment of the same type shall be identical and from one manufacturer.

D. Valves shall have the name of the maker, nominal size, flow directional arrows, working pressure for which they are designed and standard to which they are manufactured cast in raised letters on some appropriate part of the body.

E. Unless otherwise noted, valves shall have a minimum working pressure of 200 psi or be of the same working pressure as the pipe they connect to, whichever is higher, and suitable for the pressures noted where they are installed.

F. Valves shall be of the same nominal diameter as the pipe or fittings they are connected to. Except as otherwise noted, joints shall be mechanical joints, with joint restraint where the adjacent piping is required to be restrained.

G. Valves shall be especially constructed for buried service.

2.2 VALVE BOXES

A. All gate and ball valves shall be provided with, operating nuts and valve boxes as follows:
   1. Valve boxes shall be a heavy-pattern cast iron, three-piece, telescoping type box with dome base suitable for installation on the buried valves. Inside diameter shall be at least 4-1/2-in. Barrel length shall be adapted to the depth of cover, valve box bottom section shall be 5-feet long and valve box top section shall be 2-feet long, with a lap of at least 6-inches when in the most extended position. Covers shall be cast iron with "WATER" clearly cast into the cover. Aluminum or plastic are not acceptable.
   2. The upper section of each box shall have a top flange of sufficient bearing area to prevent settling. The bottom of the lower section shall enclose the stuffing box and operating nut of the valve and shall be oval.

2.3 RESILIENT SEATED GATE VALVES

A. End connections: Mechanical joint (MJ) conforming to AWWA Standard C509. Provide tapping end connections at tapping sleeves.

B. Dual O-ring seals and bronze stem, exceeding AWWA C500 requirements.

C. Epoxy coated inside and outside.

D. Ductile iron body.

F. Size: As indicated on Contract Drawings.

G. Operation: Non-rising stem (NRS), open direction.

H. Operating Nut: 2-inch square shafts shall be designed to provide a factor of safety of not less than four. Operating nuts shall be pinned to the shafts.

2.4 HDPE BALL VALVES

A. End connections: Butt fusion weld or Electrofusion coupling.

B. Valves shall meet AWWA C901 and shall be listed as meeting NSF-61.

C. High Density Polyethylene (HDPE) shall be class PE4710.

D. Size: As indicated on Contract Drawings.

E. Operation: Non-rising stem (NRS), open direction.

F. Operating Nut: 2-inch square shafts shall be designed to provide a factor of safety of not less than four. Operating nuts shall be pinned to the shafts.

PART 3 EXECUTION

3.1 INSPECTION AND PREPARATION

A. During installation of all valves and appurtenances, verify that all items are clean, free of defects in material and workmanship and function properly.

B. All valves shall be closed and kept closed until otherwise directed by the Engineer.

C. Contractor shall provide necessary keys to open all valves and curb stops installed on site.

3.2 INSTALLATION OF BURIED VALVES AND VALVE BOXES

A. Buried valves shall be cleaned and manually operated before installation. Buried valves and valve boxes shall be set with the stem vertically aligned in the center of the valve box. Valves shall be set on a firm foundation and supported by tamping pipe bedding material under the sides of the valve. The valve box shall be supported during backfilling and maintained in vertical alignment with the top flush with finish grade. The valve box shall be set so as not to transmit traffic loads to the valve.

B. Before backfilling, all exposed portions of any bolts shall be coated with two coats of bituminous paint.

3.3 FIELD TESTS AND ADJUSTMENTS

A. Conduct a functional field test of each valve, including actuators and valve control equipment, in presence of Engineer to demonstrate that each part and all components together function correctly. All testing equipment required shall be furnished by the Contractor.

END OF SECTION