DATE: June 18, 2019

DEPARTMENT OF GENERAL SERVICES
BUREAU OF PRE-CONSTRUCTION
1800 HERR STREETS
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 2

on

PROJECT NO. DGS C-0199-0036 PHASE 002
PROJECT TITLE - Somerset Lake - Somerset Lake Dam Rehabilitation
PROFESSIONAL:
Michael Baker International
100 Airside Drive
Moon Township, PA, 15108

If you submitted a bid through e-Builder prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) through e-Builder prior to the bid opening date and time. Please see Section 4.C. of the Instruction to Bidder

GENERAL CHANGES – ALL CONTRACTS

Item 1 - A box-shape sheet pile is an acceptable substitution for the Z-shape sheet pile, provided that the substitution meets or exceeds all other specified requirements. The substitution will be required to meet or exceed the specified material properties, which include, but are not limited to, material type and quality, pultruded manufacturing process, section properties and stiffness, interlock type, and interlock swing tolerance. The substitution must be drivable and must be compatible with connection to the concrete spillway.

Item 2 - Quantities for foundation preparation shall be approximated based on subsurface information provided on the boring logs and geotechnical reports.

SPECIFICATION CHANGES – ALL CONTRACTS

Item 1 - The hand placed stone identified on C-8 and C-9 may be replaced with a 30-inch thick layer of PADOT R-5 Riprap in accordance with Section 2275-2.01.C. A layer of Class-2 Type-A Geotextile, shall be placed on the prepared subgrade under the R-5 Riprap in accordance with Section 2209. The existing hand placed stone may be salvaged and mixed within the proposed R-5 Riprap.

Item 2 - In addition to concrete rubble stockpile area shown on ES-3, the Contractor may stockpile the concrete rubble, that has been processed in accordance with Section 2050.3.01.H, next to the barn foundation along the right abutment. Also, the trees removed at the borrow area may be stockpiled next to the boat ramp shown on ES-3. The specific locations will be delineated by the Professional prior to Construction Activities.

Item 3 - The Rubble Concrete Stockpile Area shown in the parking lot on sheet ES-3 is for permanent storage of processed concrete rubble, see Section 20503.01.H, for use in future PFBC projects. No other materials may be permanently stockpiled in this area. All other materials shall be managed in accordance with the Recycling/Disposal Notes on ES-4 and in accordance with project specifications.

Item 4 - In accordance with Section 2100.1.04.H-I, it is the Contractors responsibility to maintain the control of water and perform the lake drawdown.

Item 5 - There is no Section 02654 for this project. The reference to Section 02654 in the Table of Contents can be ignored.

DRAWING CHANGES – ALL CONTRACTS

Item 1 - The tripod hoist shown on C-31 and specified in section 11201.2.01.B shall be replaced with a removable davit arm and hoist system see Section 11204 attached.

Item 2 - Note 11 on Sheet S-10 should be revised to state “sandstone or concrete” instead of “sandstone concrete”.

SECTION 11201

STOP LOG SYSTEM

PART 1 – GENERAL

1.01 STIPULATIONS

A. The specification sections "General Conditions of the Construction Contract", "Special Conditions" and "Division 1 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.02 SUMMARY

A. Section includes: Materials and Furnishing required to install the stop log system including but not limited to installation of an aluminum stop logs, stop log lifting device, stop log frame, fittings, grout, tripod, tripod anchors, and bolts.

1.03 RELATED SECTIONS

A. Section 03600 – Grout
B. Section 05500 – Miscellaneous Metal Fabrications

1.04 REFERENCES

A. Rodney Hunt Company – Stop Log Specifications
B. Hydro Gate Company – Stop Log Specifications

1.05 SUBMITTALS

A. Shop Drawings:

1. Submit for approval completely dimensioned shop, layout or setting drawings and catalog cuts, or other data as required to provide a complete description of system equipment specified.

2. Submit shop drawings certified for construction by manufacturer and approved by Contractor that include guide details; lifting beam dimensions and operation, and details indicating construction and materials of construction.

B. Qualifications of the stop log system’s technical manufacturer representative for the review and approval by the Professional.

C. Installation Certificates: Furnish in accordance with these Specifications manufacturer's installation certificates.

D. Installation Guidelines: Furnish manufacturers installation guidelines for review.

E. Operation and Maintenance Manuals: Submit written installation, operation, and maintenance instructions.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Aluminum/Non Corrosive Stop Logs: with neoprene seals at the bottom of all stop logs. System must be rated for 30 feet of standing water. A neoprene seal shall also be provided to cover the stop log guide channels. Stop logs must provide adequate flow restriction to allow for safe dewatering of the lake. Stop logs and guide channel shall be provided by same manufacturer.

B. Stop log lifting device: Must operate with less than 90 pounds of force from the operator. Stop log lifter must be able to engage and disengage stop logs without water entry of the operator. ~~Lifting device shall consist of aluminum tripod and hoist rated for confined space entry with 5,000 lbs of vertical pull, 450 lb working load and limits free falls to less than two (2) feet. Provide stainless steel hooks and tethering for tripod and a separate hook for the hoist.~~ Stop log lifter manufacturer shall be the same manufacturer as the stop logs. See Section 11204 for davit arm and hoist system.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Review and document the condition of stop logs and guide channel to identify the extent of removal for the existing stop log system.

3.02 PREPARATION

A. Sandblast and paint steel within existing stop log channels. Paint shall be epoxy paint intended to inhibit rust and corrosion of bare steel.

B. Provide asphalt coating on all aluminum surfaces in contact with concrete/grout.

C. Grout existing stop log channels to prepare level surface for the mounting of stop log guides.

3.03 PLACEMENT

A. Install stop log system as shown on the drawings. Apply two coats of bituminous paint to concealed aluminum surfaces in contact with cementitious or dissimilar materials.

3.04 FIELD QUALITY CONTROL

A. Provide Manufacturer's technical representative (not a sales representative) who is well qualified for the installation/application of the product for a minimum of one (1) day to check and approve installation and to instruct the using Agency's personnel in the operation and maintenance of all equipment. Provide installation certificate from the Manufacturer in accordance with these specifications.

END OF SECTION

SECTION 11204

PART 1 – GENERAL

1.01 STIPULATIONS

A. The specification sections "General Conditions of the Construction Contract", "Special Conditions" and "Division 1 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.02 SUMMARY

A. Section includes: Engineering Design, Materials and Furnishing required to install the confined space entry hoist and fall arrest system including but not limited to; hoist, mast arm, supports, mounting brackets, anchors, and hardware.

1.03 REFERENCES

A. Honeywell Miller – Durahoist Specifications
B. DBI SALA – Davit Hoist System Specifications
C. Or Approved Equal

1.04 SUBMITTALS

A. Shop Drawings:

1. Submit for approval completely dimensioned shop, layout or setting drawings and catalog cuts.

2. Shop Drawings shall be signed and sealed by a professionally licensed civil engineer in the Commonwealth of Pennsylvania.

B. Structural calculations, prepared and sealed by a professionally licensed civil engineer in the Commonwealth of Pennsylvania, illustrating the proposed system meets the specified requirements of section 2.01.

C. Operation and Maintenance Manuals: Submit written installation, operation, and maintenance instructions.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Confined Space Entry Hoist and Fall Arrest System: Must operate with less than 40 pounds of force from the operator. Lifting device shall consist of aluminum and hoist rated for confined space entry with 5,000 lbs of vertical pull, 450 lb working load and limits free falls to less than two (2) feet. Hoist arm must be able to extend and rotate to align with the

centerline of the hatch opening. System shall be rated for outdoor placement and equipped with anti-theft system such as padlocks.

1. A Confined Space Entry Hoist and Fall Arrest System from one of the following manufacturers is acceptable:
    a. Honeywell Safety Products USA, Miller-DuraHoist
    b. 3M, Capitol Safety, DBI SALA – Davit Hoist System
    c. or Approved Equal

2. Structural calculations shall be provided by the Contractor to determine the specific mounting hardware required to attach the fall arrest system to the existing concrete control tower.

PART 3 – EXECUTION

3.01 PLACEMENT

A. Install Confined Space Entry Hoist and Fall Arrest System at location shown on the drawings and as directed by the Department.

3.02 FIELD QUALITY CONTROL

A. Provide Manufacturer's technical representative who is qualified for the installation/application of the product for a minimum of one (1) day to check and approve installation and to instruct the using Agency's personnel in the operation and maintenance of all equipment. Provide installation certificate from the Manufacturer in accordance with these specifications.

END OF SECTION