



Memorandum

AUGUST 24, 2022

CONTRACT NO. 1744A-G, E, H

**CHARTIERS CREEK-OHIO JUNCTION ACCESS SHAFT
IMPROVEMENTS**

ADDENDUM NO. 2

All bidders bidding Contract No. 1744A G, E, H shall read and take note of this Addendum No. 2. The Contract Documents for **Contract No. 1744A G, E, H – Chartiers Creek-Ohio Junction Access Shaft Improvements** are hereby revised and/or clarified as stated below.

Acknowledgement of Contract No. 1744A G, E, H; Addendum No. 2

The Acknowledgement attached to Addendum No. 2 is to be signed and returned immediately via email to **Kathleen Uniatowski** at contract.clerks@alcosan.org and acknowledged with Bidder's Proposal.

A handwritten signature in blue ink, appearing to read "Michael Lichte", is written over a horizontal line.

Michael Lichte, P.E.
Director – Regional Conveyance

AUGUST 24, 2022

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FIRM NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

AUGUST 24, 2022

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INDEX OF ATTACHMENTS

None

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ADDENDUM NO. 2

A. Contract Documents

1. Legal Notice. Change the first paragraph to read:

“Sealed Bids for CONTRACT NO. 1744A – Chartiers Creek – Ohio Junction Access Shaft Improvements shall be received at the Engineering Department office of the Allegheny County Sanitary Authority, 3300 Preble Avenue, Pittsburgh, PA, 15233, until 11:00 A.M., Prevailing Time, **Tuesday, September 6, 2022**, and then shall be publicly opened and read.”

B. Contract Specifications

1. Article 2, Paragraph 2.7 – SUBMISSION AND OPENING OF BIDS. In the second paragraph change the last sentence to read:

“Bids will be received at the office of the Owner until 11:00 A.M. prevailing time, on **Tuesday, September 6, 2022**, at which time and place said Bids will be opened publicly and read aloud.”

D. Contract Drawings

1. *(No Items)*

E. Questions

1. **The construction schedule currently lists a project duration of 180 days with liquidated damages thereafter of \$500.00/day. Considering that there are three trades, and several sub-contractors, all working simultaneously, safety precautions we have to take, and the potential for missed working time because of adverse weather, we believe that time frame could not be enough. Please consider prolonging the contract time.**

Answer: The project duration is 210-calendar days, not 180-calendar days.

2. **Please consider a one-week extension of the bidding time.**

Answer: The contract bid opening has been extended to Tuesday, September 6, 2022.

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- 3. As we all know, this site has its very own challenges. The description of bid items in the specifications states: “The Contractor should fully evaluate the information in the appendices, and conduct site visits, (my emphasis) to be satisfied with the existing site conditions and challenges.” In that light, we request a second site visit.**

Answer: ALCOSAN will confirm date and time of second site visit if possible and distribute to potential bidders.

- 4. Is it known what the total wall and slab thicknesses are?**

Answer: The existing shaft walls are 1'-9" thick and typically reinforced with #5 (5/8" dia) bars. The slabs are 8" thick at the upper and intermediate level.

- 5. Are the number and sizes of reinforcement steel in the walls and slabs known?**

Answer: The shafts are reinforced with horizontal radial bars at 9" o.c. nominally and verticals at 10.5" o.c. nominally. The slabs are reinforced with #4 (1/2 dia.) bars in the top layer and #5 (5/8 dia.) bars in the bottom layer. Both layers of reinforcing in the slab are nominally spaced at 7" o.c.

- 6. High Strength Reinforced Epoxy Lining Installation: Please confirm that all surfaces above EL697 and below EL727 will be prepared by ultra-high pressure jetting and will then receive:**

- a. 3/4" trowel applied AW Cook Micro Silica Mortar**
- b. A prime coat of SW Macropoxy 5000 at 3-4 mils DFT**
- c. And a finish coat of SW Dura-plate 6000 at 100-125 mils DFT**

And all horizontal upper slab surfaces and the stair treads will additionally receive the non-skid application consisting of:

- a. 1 coat of SW dura-plate UHS 15-20 mils DFT**
- b. #36 aluminum oxide**
- c. 1 coat of SW dura-plate UHS 10-15 mils DFT**

Answer: The coating system(s) listed above are correct. Please note the interior surfaces of the junction chamber for the Chartiers Creek Interceptor (trapezoidal chamber that begins under intermediate slab) from Elevation 712 to 697 is NOT scheduled to receive a coating system.

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- 7. Note #5 on drawing 6 of 20: Which contractor's responsibility is the removal of the louver and "... to seal wall opening with aluminum panel ... "?**

Answer: The General Contractor.

- 8. Note 6 on drawing 9 of 20: Although it is a quite detailed description, I am not sure that this is enough information for the steel fabricator to know exactly what to build. Can you provide a drawing with dimensions?**

Answer: Geometry for the aluminum tubing with dimensions are shown on the intermediate floor plan (42" Height, 3'-0" width, 2 horizontal rails, diagonals, etc.). Assume the mounts will be 8"x8"1/2" stainless plate with 1/2" diameter stainless rod connecting post to plate.

- 9. Please confirm that bypass pumping is not required for this project.**

Answer: Bypass pumping is not required for this project.

- 10. The motor manufacturers that we work with have discontinued EXP two speed motors in favor of a VFD rated motor. We could still do a special request for a EXP two-speed motor with a different manufacturer. However, Greenheck will not purchase EXP two-speed motors unless in a bulk quantity IE: (30+) and the lead times are undetermined at this time.**

Answer: The VFD rated motors would require electrical upgrades currently not in the scope of the contract. Supply of the specified fan from Greenheck is not required. Please provide an equal two speed EXP two speed motor for the project. If VFD rated motor is required or requested due to lead time, product availability, or other reason, the required changes will be addressed at a later time.

- 11. I am struggling to find a roofing contractor to give me a quote. I have reached to many but so far no one is interested. ... [I]f you have any roofing contractors that have worked for ALCOSAN before, please let me know.**

Answer: Try Pennsylvania Roofing Systems, Inc. from Bakerstown, PA.

***** END OF ADDENDUM NO. 2*****