

CITY OF BALTIMORE

DEPARTMENT OF PUBLIC WORKS
OFFICE OF ENGINEERING AND CONSTRUCTION

ADDENDUM NO. 3

September 26, 2024

**FOR DRAWINGS, SPECIFICATIONS, PROPOSAL, CONTRACT, AND BOND
FOR WATER CONTRACT NO. 1382 – Montebello I Finished Water Reservoir Structural Rehab
FOR THE MAYOR AND CITY COUNCIL OF BALTIMORE**

TO BIDDERS: PLEASE ATTACH TO YOUR CONTRACT DOCUMENTS. THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS ON WHICH THE CONTRACT WILL BE BASED, AND IS ISSUED TO MODIFY, EXPLAIN AND/OR CORRECT THE ORIGINAL DRAWINGS AND SPECIFICATIONS. PLEASE ACKNOWLEDGE THIS ADDENDUM ON THE BID PROPOSAL PAGE WHERE INDICATED. IF THIS DOCUMENT HAS BEEN RECEIVED VIA EMAIL, A CONFIRMATION EMAIL REPLY MUST BE SENT BY BIDDER WITHIN 24 HOURS CONFIRMING RECEIPT OF THE ADDENDUM TO DPWCONTRACTADMIN@BALTIMORECITY.GOV . IF EMAIL ACKNOWLEDGMENT IS NOT RECEIVED BY DPW, YOUR BID MAY BE REJECTED.

- SEE RESPONSES TO BIDDERS' QUESTIONS ON THE FOLLOWING PAGE(S).

APPROVED:

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RESPONSES TO BIDDERS' QUESTIONS

- 1. QUESTION:** Is there any leak by of the inlet valves? If so, please provide information on the amount? This water will need to be consistently captured and removed from the site, can it be pumped back into an access from the source?
RESPONSE: There is no quantitative leak data to provide. The city will use existing drain valves in the reservoir that feed directly into the wastewater lake in Montebello to drain the reservoir. Any residual water that requires removal is the contractor's responsibility. This water can be drained to above mentioned drain valves.
- 2. QUESTION:** Will there be double valve isolation for the tank? If not, please provide the pressure on the valve and the type of valve?
RESPONSE: There is double valve isolation for both sides of the Plant 1 Finished Water Reservoir. There are 4 Sluice Gate valves on the influent and effluent gatehouses (2 for each side of the reservoir).
- 3. QUESTION:** Will the initial draining of the tanks be performed by the plant? If so, is there an expected quantity of water that will need to be removed by the contractor?
RESPONSE: The initial draining of the tanks will be performed by the plant. If there is a case where there are pockets of water, the contractor will be responsible for moving the water into the local drain that feeds directly into the wastewater lake in Montebello. The initial draining of the tanks will be performed by the plant in coordination with the contractor.
- 4. QUESTION:** Can the contractors utilize onsite potable water for the projects use?
RESPONSE: Yes.
- 5. QUESTION:** Typical projects would include experience for manufacturer, installer, and designer for the CFRP and Concrete Repair submittals. Please consider adding such language from recent years.
RESPONSE: Add following language to section 03 01 30.71 part 1.3.D.1 of contract specifications.
"1. Certified applicators shall have completed at least 10 projects of similar scope for potable water structures in the past 5 years."

Add following language to section 03 01 30.72 part 2.2.2 of contract specifications.
"2. Certified applicators shall have completed at least 10 projects of similar scope for potable water structures in the past 5 years."
- 6. QUESTION:** Due to unknown width and depth of cracks the volume of epoxy to be used for bid item 301 is unknown. Can a based line quantity of epoxy in gallons be provided and a unit price per gallon be established for every gallon utilized beyond the base bid quantity?
RESPONSE: The contractor shall make their best estimate for the volume of epoxy needed. Item 301 shall remain as written.

- 7. QUESTION:** Please advise on where the Contractor can pull electrical power from to support the construction/inspector trailers and the construction activities. It is anticipated to need 3ea. 100amp circuits. Can the City advise where this power can be tapped or pulled from?
RESPONSE: The contractor will have access to the aforementioned electrical power from the adjacent plant facilities.
- 8. QUESTION:** "CFRP Specification 03.01.30.72 Are installation shop drawings a required submittal? Section 1.4 under Product Information can we remove number #3: Provide test report for Class A Flame & Smoke Spread (IBC Section 803.1) per ASTM E84. Please consider adding language to NSF 61 certification."
RESPONSE: Yes, installation shop drawings are a required submittal. Section 1.4.3 shall remain as written. Yes, add the following language to the specification section 03 01 30.72 1.4 Quality Control and Quality Assurance. "Only NSF ANSI 61 products can be used".
- 9. QUESTION:** Notice of Letting states that the Prequalification Category required for bidding on this project is E13003 Water and/or Sewer Treatment Plants and Pumping Station. Per Baltimore City Prequalification Office, this category is required when building a water and/or sewer treatment plant and pumping station from the ground up. This is not the case here for this project. This project is a Rehabilitation project. Can the Owner re-evaluate and/or add a category that required the bidder to have a prequalification category such as E13004- Rehabilitation of Structures or G90039 Concrete and Masonry Structural Repairs
RESPONSE: The prequalification code in the Notice of Letting has been changed from **E13003 - Water and/or Sewer Treatment Plants and Pumping Stations** to **E13004 - Rehabilitation of Structures** or **G90039 - Concrete and Masonry Structural Repairs**.
- 10. QUESTION:** Per Detail C on Sheet S-001, "(3) EA SINGLE LAYER 6" OF CSS..." is required to be applied to the existing vaulted slab at each column face. Is this callout meant to indicate that at each vaulted slab/column face, three 6" wide strips of the FRP system are to be applied for a total accumulated width of 18"? Or is it meant to indicate that one 6" wide strip of the FRP system is to be applied to the vaulted slab at each column face.
RESPONSE: (3) single-layer 6" wide strips are to be applied side by side resulting in an 18" total width of FRP on each side of the column.
- 11. QUESTION:** Per Detail F on Sheet S-001, 3 layers of 6" wide FRP strips are to be applied to the full height of each side of the existing Baffle Walls. Shall all bidders assume that this is required at every location where the baffle walls and columns intersect?
RESPONSE: Yes
- 12. QUESTION:** Per Detail F on Sheet S-001, 3 layers of 6" wide FRP strips are to be applied to the full height of each side of the existing Baffle Walls. Shall all bidders assume that this is required at every location where the baffle walls and columns intersect?
RESPONSE: There should be (2) 3-layer strips.

- 13. QUESTION:** Per Note 3. in Detail H on Sheet S-001, the FRP design shall consist of an "X-PATTERN (3) EA SINGLE LAYER OF 6"x26" @ 24" OC..." However, Detail H shows an X-pattern consisting of only (2) strips. Is Note 3. meant to read as "X-PATTERN, (2) STRIPS, EA SINGLE LAYER OF 6"x26" @ 24" OC..."? Or, is each leg of the X pattern meant to consist of (3) 6" wide strips of FRP?
RESPONSE: There should be (2) 3-layer strips in an x-pattern.
- 14. QUESTION:** On Detail C on Sheet S-001, there is a note that states "see repair detail E for cracked top of column repairs. Note: Double strips at baffle walls." Strips 5 & 6 on Detail E cannot be fully wrapped around the column cross section where obstruction by intersecting baffle wall occurs. Shall the strips 5 & 6 be "double" layers & be terminated at the re-entrant corner between the baffle wall & column face?
RESPONSE: Yes.
- 15. QUESTION:** On Detail E on Sheet S-001, the FRP strips are noted as "(3) EA SINGLE LAYER OF 6" @ 8" OC." Is the intent for strips 1-6 to each be composed of (3) 6" wide strips of FRP spaced at 8" OC? Or, is the intent for strips 1-6 to each be composed of (1) 6" wide strip of FRP and the spacing between strips to be 8" OC?
RESPONSE: (3) 6" wide strips of FRP installed side by side for a total width of 18" spaced at 8" OC.
- 16. QUESTION:** Specification section 03 01 30.72, Part 2, Section 2.1.b lists Sikawrap Hex 103C as an approved product. Drawing S-001, General Concrete Repair Note 7 says FRP shall have an average cured tensile modulus of 14,000 ksi. The tensile modulus reported on the data sheet for Sikawrap Hex 103C is substantially lower than 14,000 ksi. Will larger FRP strip widths or additional layers of Sikawrap Hex 103C be required to compensate for this based on an E x A tensile equivalency calculation, where E = tensile modulus and A = cross-sectional area of FRP laminate?
RESPONSE: When using an "approved equal" product, the layering and layout used must match the capacity of the specified product and will need to be approved by the Design Engineer.
- 17. QUESTION:** Please provide specification 13 22 00 for the Engineers Office Type 2 as required in Bid Item 102. This spec is currently not included in the documents.?
RESPONSE: Add following language to section 01 29 13 part 1.01.B.1. of contract specifications.
"Description and payment shall be made as described in **Baltimore City Green Book Section 13 22 00.**"
- 18. QUESTION:** Multiple subcontractors are bidding the specified SikaWrap Hex 103C with same layout and layer count shown in the project drawings. Please confirm if this is acceptable.
RESPONSE: Yes, see response to Question 19 below as well.
- 19. QUESTION:** Sika has a product called SikaWrap Hex 103C HM. Can this product be used as a direct substitute to V-Wrap 200HM?
RESPONSE: The only product that can be used is the specified product or an approved equal. If the alternate product meets the spec, it can be used. Approved equal products must be submitted with product data for review and approval by the Design Engineer.

20. QUESTION: Attached find the information on FYFE FRP, LLC. We are sending this information to you in RFI form for FYFE FRP to be submitted for approval as an Approved Equal to Simpson-Strong-tie inc., and SIKA. Please advise if FYFE FRP system would be an acceptable alternative to Simpson Strong Tie and SIKA.

RESPONSE: The only product that can be used is the specified product or an approved equal. If the alternate product meets the specifications, it can be used. Approved equal products must be submitted with product data for review and approval by the Design Engineer.

21. QUESTION: Can you provide the design criteria for the project and the as-built drawings for Sika to offer a suitable material and layout alternative, if needed?

RESPONSE: No design criteria will be provided. The only product that can be used is the specified product or an approved equal. If the alternate product meets the spec, it can be used. Approved equal products must be submitted with product data for review and approval by the Design Engineer.