



**ADDENDUM NO. 2
TO SPECIFICATIONS AND PLANS FOR THE
SOUTHGATE-WYANDOTTE RELIEF DRAINS DRAINAGE DISTRICT
RETENTION TREATMENT BASIN EFFLUENT CHANNEL FLAP GATE**

ISSUED: October 13, 2023

HRC Job No. 20171165

This Addendum is issued prior to receipt of bids to provide for certain changes and clarifications to the Specifications and/or the Drawings, as herein specified, and is hereby made a part of the Contract Documents and shall be taken into consideration in preparing the Proposal. All other conditions remain the same.

The Bidder shall acknowledge the receipt of this Addendum in the Proposal form.

GENERAL – BIDDER QUESTIONS:

1. The Unit Price Allowances for Concrete Repairs includes work at the RTB, outlet boxes near pump station no. 5, influent structure I-I, effluent structure E-IA and E-IB, overflow bypass gate structure, and within pump station no. 5. Each of these locations have their own separate and distinctive requirements that make it difficult to provide a single unit price for the items of work in this allowance. Please consider providing separate line items with quantities for each of the respective repair locations and include a mobilization item for each location to account for costs to have the specialty repair contractor mobilize to site at each location.

HRC RESPONSE: The unit prices listed in the Unit Price Allowances for Concrete Repairs shall be the bid unit price for said work in the schedule regardless of repair location.

2. Within the Summary of Work section of the specification book for the work at effluent structures E-IA and E-IB there is noted that there are structural concrete repairs, but there are no references to any repairs at these locations in the plans. Can information be provided regarding where this repair work is anticipated at these locations, of concern at these locations is the elevation of the water in effluent channel.

HRC RESPONSE: Callouts for Type 1 and Type 2 repair locations are shown in Section 3 on S-4.

3. The concrete repair work within pump station no. 5 includes repairs to assumed structural members. We did not see any reference to temporary supports to be utilized during this work. Will temporary supports be required for this work? If so, how are we to install these supports within an active pump station?

HRC RESPONSE: HRC does not anticipate that temporary supports/shoring will be needed to complete the repairs called for inside Pump Station No. 5. Temporary supports/shoring will be necessary if:

- a) portions of beams/slabs need to be removed near their supports or
- b) if the bearing support beneath the ends of beams/slabs are exposed.

Bearing support length should be taken as no less than 8 inches past the inside face of support in any case. Removal of concrete near or below the bearing support shall not occur prior to submitting the shoring design to the Engineer for review and acceptance. Design and submittals are to be per Specification Section 02040 Structural Capacity Evaluation and

Protection Requirements. It should be noted that the majority of the primary concrete support beams in Pump Station No. 5 are constructed with a wide flange steel beam inside of them, similar to what is depicted in the Type 7 Repair (sizes of steel beams vary depending on location).

4. There are several areas of work that are called out for in the plans and the most of locations are in locations that will be extremely difficult to access within an active pump station. Standard means of access (scaffolding, manlifts) are not possible with the constraints of working within an active pump station. What consideration was given to access the concrete repair locations within pump station no. 5?

HRC RESPONSE: It is expected the Contractor will work from the pump station floor and the rotunda walkways and landings where required to perform concrete repair work. See Specification Section 01950 – Sequence of Construction and Special Project Requirements, Section 3.3E for information on how additional means of access are to be assessed by the Contractor and included in the bid.

5. If additional items of concrete repairs are identified that will require an additional means of access, the unit price we bid will not account for this which makes it difficult for the Bidder to provide a unit price for this work. How will this situation be handled?

HRC RESPONSE: Additional repair items will likely be encountered in the same general location where the repair is currently called out. The repair item at the specified location on the Drawings may differ in quantity than what was estimated by the Engineer during design. If a new location(s) for concrete repairs is identified during construction and assessed by the Engineer as requiring additional work the Bidder would not have planned for during the bid phase, a price for this work will be negotiated during construction.

6. Does the utility use a SCADA contractor currently?

HRC RESPONSE: Commerce Controls, Inc. has performed the most recent SCADA work for Pump Station No. 5.

7. Are drawings with an elevation view of the effluent channels available to assist with stop log or plate procurement?

HRC RESPONSE: Section I on Drawing C-I shows the existing effluent channel invert and structure elevation. Section 3 on Drawing S-4 shows the proposed elevation for structure E-1B.

8. What is the distance from the floor of PS #5 to ceiling where the beam repairs are made?

HRC Response: The Header Beam Repair Type 7 locations in Pump Station No. 5 vary with location. On Drawing S-7A, the Screening Well Repair Photo Key Plan shows the lower elevation portion of the wet well and elevations in Plant Datum are provided on this Plan. On Drawing S-7B, the Motor Room Framing Partial Plan at Elevation 581.0' Plant Datum is provided. Reference Drawing R-8 is issued with this Addendum for further information.

SPECIFICATION MANUAL CHANGES:

- I. SECTION 03310 – CONCRETE WORK (Not Issued)
 - Page 03310 / 6, Section 2.1.H.2, add the manufacturer “MasterLife 300C/300D by Master Builders Solutions Admixtures US, LLC.”

DRAWING CHANGES:

- I. COVER SHEET (Not Issued)
 - Add Drawing “R-8 – REFERENCE SHEET 8” to the List of Drawings.
2. SHEET R-8 REFERENCE SHEET 8 (Issued)
 - Entire sheet issued.

END OF ADDENDUM

