



**CITY OF EAST PROVIDENCE
DEPARTMENT OF PUBLIC WORKS
WATER POLLUTION CONTROL FACILITY IMPROVEMETS
AND CONCRETE LINING PROJECT**

RFP EP21/22-20R

QUESTIONS AND RESPONSES

BID OPENING THURSDAY, MARCH 2, 2023 AT 11:00AM

QUESTION 1: Bypass – As there is no way of accurately quantifying the overall flows and pump run times during the bypass work on this project, we are requesting an Allowance item to be added to cover all fuel costs associated with bypass pumping. This will ensure that the City is only paying for actual fuel costs needed and addresses any price escalations and that may occur after the bid. Otherwise, we need a basis for overall flows(not just flowrates) to base our bid upon so that any variations in flows/cost escalations can be addressed as a change order during the project.

RESPONSE 1: See Addendum No. 1, Item 1-1.

QUESTION 2: Bypass – Per 01 51 41 – Para 1.4A.2 – A RI licensed WWTP operator(Grade 2 or higher) is required to be on-site 24 hours per day during bypass operations. Why is an outside licensed operator required, as Veolia is require to have licensed operators on site normally anyway-correct?

1. As Contractors, we have no reliable resource to be able to provide full time licensed operators. The only resource would be to hire other Operator/Town employees that may not be not allowed or possible due to labor constraints during this period.
2. The added cost is ultimately being borne by the City and seems to be redundant.
3. As these are pumped bypasses system, not sure if Grade 2 WWTP operators skills line up with repairing a pump.
4. As the treatment process is not being changed with the bypass systems, why is a Grade 2 operator required?

RESPONSE 2: See Addendum No. 1, Item 1-2.

QUESTION 3: Bypass – Per 01 51 41 – Para. 1.1.A.4 requires that the pumped bypasses are to have flow metering, monitoring/reporting and recording abilities that can be accessed through a web-based application continuously by the Owner/Engineer. Are we to figure on supplying a PLC system that can be integrated back into the existing plant SCADA system or should it be stand

alone system? If a stand alone system, what internet service is available at the site or is a cellular service to be provided for this web-based system?

RESPONSE 3: See Addendum No. 1, Item 1-3 and Item 1-4.

QUESTION 4: Bypass - Please clarify/confirm that the GC is responsible for daily fueling, operation and maintenance of the bypass system throughout. Will the City or Veolia be included for any off hours notifications during the bypassing?

RESPONSE 4: See Addendum No. 1, Item 1-2 and Item 1-5.

QUESTION 5: Bypass – Please confirm that when the channel downstream(Compartment G) of the (2) Grit Tanks is being coated that the 36-inch RCP bypass upstream of the Grit Tanks can to be utilized. If so, how long can the (2) Grit Tanks be off line?

RESPONSE 5: See Section 01 14 16, Coordination with Owner’s Operations, paragraph 1.4.C Stage IV and Contract Drawing C-004.

QUESTION 6: Bypass – How many Primary Clarifiers are required to be in service at a time?

RESPONSE 6: See Addendum No. 1, Item 1-6.

QUESTION 7: Bypass – Can the entire Grit removal system (both tanks & effluent channel) be taken out of service during this project or are we required to keep 1 Grit Tank and the grit effluent operable at all times?

RESPONSE 7: See Section 01 14 16, Coordination with Owner’s Operations, paragraph 1.4.B, Stage III. Alterations to the Sequence of Work will be evaluated post bid.

QUESTION 8: Bypass – What is the intent to handle screenings during Bypass 1(coating of Compartment A), as it does not appear that there is enough room upstream of the Screen or the Screen/Grinder to discharge into during this bypass?

RESPONSE 8: See Section 01 14 16, Coordination with Owner’s Operations, paragraph 1.4.B, Stage I and Table 01 14 16-B and Addendum No. 1, Item 1-7.

QUESTION 9: Bypass – Are there any isolation gates on the effluent end of each Primary Clarifier? If so, where are they located? Can details be provided that depict how the manholes/chambers are constructed related to Primary Effluent structure ½, Primary Effluent structure 1-4 and Raised MH Junction Chamber?

RESPONSE 9: See Addendum No. 1, Item 1-8.

QUESTION 10: Bypass – Are all of the existing slide gates in the Aeration Tank Splitter Box operable/seal?

RESPONSE 10: See Addendum No. 1, Item 1-9.

QUESTION 11: Bypass – Are the flows noted on Dwg C-003 Peak Hourly Flow rates or Max Day Rates, as

the overall flow rate numbers in spec. 01 51 41 para. 1.2.A.1 do not match up with these numbers? Please confirm/provide all flow information(ave., low, max, peak) that need to be considered from each location that is required to be bypassed around the Headworks Building.

1. Watchemoket PS
2. Raw Wastewater PS
3. Barrington & Silver Street Gravity System

RESPONSE 11: See Addendum No. 1, Item 1-10.

QUESTION 12: Bypass – Please provide elevation views of existing Raw Wastewater PS and wetwell.

RESPONSE 12: See Addendum No. 1, Item 1-8.

QUESTION 13: Watchemoket Force Main Bypass – Please provide operating conditions(pressure) related to this force main, so that the required line stop/insertion valve thrust blocks installation can be properly sized.

RESPONSE 13: See Addendum No. 1, Item 1-11 and Contract Drawing C-009, Force Main Bypass Detail.

QUESTION 14: 36-inch Gravity MH Bypass(Barrington/Silver Street) – Can a detail(sizing) of the MH upstream of the Headworks building be provided, so the suction piping related to the required pumped bypass can be figured appropriately? In addition, can the information for the SMH upstream of this SMH also be provided?

RESPONSE 14: See Addendum No. 1, Item 1-8.

QUESTION 15: Tank/Channel Cleaning/Grit-Sludge Removal Disposal –

1. Will all tanks and channels being coated be emptied and cleaned of sludge/grit by Veolia?
2. If not, how much grit and sludge should be anticipated for bidding purposes?
3. If not, where will this residual grit/sludge be required to be disposed of?
4. If not, how should this residual grit/sludge be characterized for disposal costs?

RESPONSE 15: See Section 01 14 16, Coordination with Owner's Operations, paragraph 1.3.C.6 and Addendum No. 1, Item 1-12.

QUESTION 16: Hi Flow Events - Per 01 14 16 – Para. 1.1.A.5 – we are required that (6) flood/abandonment events that need to be considered as part of the base bid? As each location is different, may be at a different stages of construction, etc; how are we to accurately account for these unknown costs? We are requesting an Allowance to cover the costs associated with these events to be fair to all parties.

RESPONSE 16: See Addendum No. 1, Item 1-13.

QUESTION 17: Bid Items vs LS Bid –

1. Please confirm how the lump sum bid item 1 is to be submitted?
 1. Are all costs related to bypass costs, work delays, prep work, concrete patching and coating as depicted on the drawings to be included under this item?

2. Are the unit priced bid items 2, 3, 4 and 5 for any added quantities of work beyond what is listed on the drawings?

RESPONSE 17: See Addendum No. 1, Item 1-17.

QUESTION 18: Equipment Removal/Reinstallation – Are we are required to remove and reinstall the Inlet Screen(RWW-SCR-1) to coat the east channel and the Screen/Grinder to coat the west channel? Can the O&M manuals related to both be supplied for reference?

RESPONSE 18: See Addendum No.1, Item 1-7 and Item 1-8.

QUESTION 19: Is AIS required for the Slide Gate/Stop Plates and DI pipe/fittings/valves?

RESPONSE 19: No.

QUESTION 20: Is MBE required on this project?

RESPONSE 20: No.

QUESTION 21: Sheet S-11 does not include details or quantities for the Type 1-3 Repairs, or Coating/Lining of Structures “4 – Primary Clarifier 1 and 2 Effluent Manhole” or “6 – Primary Clarifier 3 and 4 Effluent Manhole”. Please provide details and quantities for these structures.

RESPONSE 21: See Contract Drawing S-11, note under 7-Primary Clarifier Raised Manhole Top Plan, and Addendum No. 1, Item 1-8 and Item 1-15.

QUESTION 22: Please confirm that the total quantities of Type 1 Exposed Aggregate Repairs, Type 2 Surface Repairs, Type 3 Cracks, and Coating/Lining that are included in Item No. 1 Lump Sum Bid Price are limited to those totaled in the tables on Sheets S-04, S-07, S-10, and S-11. If not, please confirm what bid quantity should be included in Item No. 1 Lump Sum Bid Price.

RESPONSE 22: See Addendum No. 1, Item 1-17.

QUESTION 23: Please provide an as-built drawing for the Silver Street Sewer and Barrington Flows Gravity Sewer Manhole that is located east of the Headworks building.

RESPONSE 23: See Addendum No. 1, Item 1-8.

QUESTION 24: Please confirm the 30’ lift at the Silver Street Sewer ad Barrington Flows Gravity Sewer.

RESPONSE 24: See Addendum No. 1, Item 1-8.

QUESTION 25: Please confirm the 40’ lift at the Raw Wastewater Pump Station Force Main.

RESPONSE 25: See Addendum No. 1, Item 1-8.

QUESTION 26: Please confirm that “At all times when the bypass system is operational, a Rhode Island licensed Wastewater Treatment Plant Operator, Grade 2 or higher, shall be onsite 24 hours per

day, 7 days a week to operate, monitor and maintain flow diversion and bypass pumping equipment and operations.”, per spec section 01 51 41.

RESPONSE 26: See Addendum No. 1, Item 1-2.

QUESTION 27: Can flow be surcharged to the top of the underside of the floor in the Headworks compartments?

RESPONSE 27: No.

QUESTION 28: Can flow be surcharged in the wet well of the pump station raw sewage building, north of the Headworks Building?

RESPONSE 28: No.

QUESTION 29: The Bypass Plan detailed in spec section 01 14 16 notes a flow capacity of 6 MGD for Primary Clarifier 1&2. Please confirm if the flow capacity of 6 MGD is per Primary Clarifier (6 MGD for Clarifier 1 + 6 MGD for Clarifier 2 = 12 MGD total for Clarifiers 1&2), or 6 MGD total flow capacity for Clarifiers 1&2. This question also applies to the flow capacity of Clarifiers 3&4.

RESPONSE 29: See Addendum No. 1, Item 1-6.

QUESTION 30: Can the contractor utilize existing electric at the plant to run bypass pumping?

RESPONSE 30: See Addendum No. 1, Item 1-16.