

# EAST BAY MUNICIPAL UTILITY DISTRICT

## **RFP No. INF-012 Inflow Investigation Services**

**REVISION: The example heat map has been added, as well as minor textual edits, for A12.**

### **ADDENDUM #1**

Receipt of this Addendum must be acknowledged in Exhibit A of the RFP, which shall be submitted by the PROPOSER as part of its bid.

This Addendum for the INF-012 Inflow Investigations Services Request for Proposals (RFP) includes:

1. An alteration of the original RFP, including the following alterations provided in red-line:
  - a. Modification for payment terms for investigation expected to span multiple months;
  - b. Modifying Bid Item 1 : Mainline Inspection through the addition of Bid Item 1C. Untethered Video Inspection;
  - c. Clarifying pricing for Bid Item 2. Mainline Hydro-Cleaning for specific costs related to debris handling; and
  - d. Clarification on deliverables for Bid Item 15
2. EBMUD responses to questions submitted are provided below.

### **QUESTIONS AND ANSWERS**

**Q1. *Are you looking for a management firm to retain all of these Bid Items and to manage where and what investigations is to be performed?***

A1 No. While EBMUD welcomes suggestions regarding how the Inflow Investigations program should be performed, EBMUD staff will be managing the program and making the determination on the location and quantity of work to be performed, based on the results of previous inspections, modeling results and other factors. PROPOSERS are expected to bid on one or more inflow investigation services for which their firm has the qualifications and capacity to perform as directed by the DISTRICT.

**Q2. *If submitting, do we need to provide a cost for each Bid Item?***

A2 No. Only provide a unit cost for the specific Bid Items that match your expertise and experience, and for which you would like to be considered.

**Q3. *Is there a page limit of the entire response? Some sections have listed the max number of pages, and some do not.***

A3 There is not a maximum page limit, as the number of Bid Items a PROPOSERS may bid on is unknown by DISTRICT.

**Q4. *Regarding Article III.G – Liquidated Damages (pg. 17 of pdf file), how is “unsatisfactory” determined and does the CONTRACTOR/CONSULTANT have any input?***

A4 The requirements for performance are stated with each bid item, inclusive of work item to be performed, minimum quality control efforts and expected schedule. Additionally, Deliverable requirements and timeframe for any necessary correction on a submitted deliverable are detailed in CONTRACTOR/CONSULTANT REQUIREMENTS. Work that is not consistent with that agreed upon and issued as part of a Notice to Proceed would be deemed unsatisfactory. DISTRICT will notify CONTRACTOR/CONSULTANT of concerns regarding work product upon receipt and review.

**Q5. *Can EBMUD be used as a reference?***

A5 Yes. For the reference, please include the point of contact with EBMUD that was responsible for the day-to-day activities, which may differ from the Project Manager stated in the contract.

**Q6. *For projects that are expected to last for significant periods exceeding two months, such as larger Mainline Inspections (Bid Item 1) and Smoke Testing (Bid Item 5), would a monthly invoice or milestone payment be accepted for larger projects (ex: > 50k LF)?***

A6 Exclusive of both Bid Item 12. Point Precipitation Monitoring and Bid Item 13. Flow Monitoring, investigative efforts in project areas that are expected to last for a minimum of two (2) months based on stated productivity rates submitted by the PROPOSERS, a portion of costs may be invoiced monthly. At most, 50% of the agreed upon costs shall be invoiced for work performed. For example, if a project effort including 200,000 lineal feet (LF) of sewer mains to be inspected by either camera (Bid Item 1) or smoke testing (Bid Item 5) and the contractor inspected 50,000 LF in the first month, the CONTRACTOR would bill DISTRICT for the inspected 50,000 LF at 50% of the contractually agreed upon value, with the remainder to be billed upon acceptance of the final deliverables by the DISTRICT. Please see the amended RFP for information on milestone payments.

**Q7. *For Bid Item 1B – Digital Imagery Scan Inspection, would untethered video inspection be acceptable?***

A7 Untethered video inspection may be applicable in locations less suitable for inspection performed via a tractor or sled, such as locations with expected debris, or in areas which may have access limitations. A new bid item (Bid Item 1C. Untethered Video Inspection) has been added for consideration, including DISTRICT expectations for performance. Please see the amended RFP.

- Q8. For Bid Item 2. Mainline Hydro-Cleaning, how are costs related to traffic control, disposal, and bonds incorporated?**
- A8 Standard traffic control should be included in the unit costs; if extensive traffic control is required, a scope clarification must be requested and agreed upon. Costs for bonds should be included in the unit costs. Costs for disposal have been added to the RFP. Please see the amended RFP.
- Q9. Regarding Bid Item 2. Mainline Hydro-Cleaning, dependent upon the amount of debris, the cost of cleaning per foot may vary widely. How should this be bid?**
- A9 DISTRICT advises PROPOSERS to ensure that the unit cost quoted is reflective of the level of effort required to deliver the proposed services in compliance with the minimum requirements stated in the RFP, noting the limitations associated with Scope Clarifications.
- Q10. Regarding Bid Item 8. Roly Poly Ball Development, are PROPOSERS limited to the referenced 3D print file for the base? What if the PROPOSER has developed a better option?**
- A10 EBMUD welcomes improvements to the methodology and will discuss with rostered CONTRACTORS regarding their proposed improvements and whether it would be viable for the DISTRICT to alter any existing equipment. If the proposed change demonstrates improvements for performance, EBMUD may consider utilizing an alternative base. Bids should be reflective the cost of RPD development using the DISTRICT-provide 3D print file.
- Q11. Regarding Bid Item 15A.2 – Monitoring & Maintenance, does the conductivity data also need to be finalized monthly?**
- A11 Yes. Correction to include conductivity data in addition to flow monitoring data has been included in the updated RFP.
- Q12. Regarding Tasks 15B.3 Consultant Deliverables for Conductivity Isolation Investigation, could the DISTRICT provide an example heat map?**
- A12 Please see ~~below for an~~ the example heat map **provided at the end of this document**, while noting the figure below was not performed from a Conductivity Isolation Investigation. The heat map is designed to highlight pipe reaches which are tributary to locations in which readings were collected, thereby allowing for an understanding of which portions of the area analyzed are contributing the most conductivity.

**Q13. For Bid Item 16. Artificial Intelligence Analysis for Mainline Inspection Videos, is it to also include the inspection of the sewer mains? Or is it limited to utilizing the tool on identifying the requested defects?**

A13 Bid Item 16 is limited to utilizing the AI tool to identify defects at the level associated with the Bid Item. For this Bid Item, the DISTRICT intends to provide inspection videos to the selected CONSULTANT(s). Qualified PROPOSERS are welcome to bid on both Bid Item 16 and Bid Item 1. Mainline Inspection to provide turnkey services, if selected by the DISTRICT.

**Q14. For Bid Item 19. Private Sewer Lateral Connectivity Identification, is there a page limit to defining the methods?**

A14 Please keep to less than three (3) pages.

**Q15. Can one bid on Bid Item 13 Flow Monitoring without including I&I analysis software?**

A15 No. The analysis tool must be made available to assist the District in assessing the impacts of storm events. A PROPOSER may utilize off-the-shelf/cloud-software and tools developed by others to meet the requirements of the analysis component.

**Questions 17 through 22 are specific to Bid Item 17. Distributed Temperature Sensing.**

**Q16. Will DISTRICT only propose DTS study areas that have already been flow monitored?**

A16 Yes.

**Q17. Regarding Task 17.1 Site Reconnaissance and Final Site Selection, can the DISTRICT clarify the statement in the RFP Scope which follows? "The recommendation should attempt to yield at most one (1) source of I&I in the length of the cable between sampling locations." Can EBMUD clarify what is meant by this sentence?**

A17 A potential "Source of I&I" means locations which are more likely to contribute I&I, such as: connections between the sewer main and maintenance hole; joints along the sewer main(s); cross connections; and connections of private sewer laterals (PSLs). To accurately quantify the rate of inflow, there would ideally be only one such potential source between sampling locations along the fiber optic cable. EBMUD will request of the CONSULTANT to review the likely number of connection points from PSLs and to devise a recommended sampling frequency that would best isolate each potential source, thereby minimizing the need for follow-up investigations.

**Q18. Will EBMUD have performed CCTV inspection of the sewers in any potential DTS study area prior to the Site Reconnaissance task?**

A18 No, unless specified by all PROPOSERS that this is a requirement.

**Q19. Can the DTS proposer assume that during Satellite Agency (SA) cleaning of a sewer main that the SA can also pull into place a tether line for later pulling fiber optic cable into place?**

A19 No.

**Q20. Can the DTS proposer assume that they will have real-time access to flow monitoring data provided by EBMUD in any DTS study area?**

A20 Yes, access to information available to DISTRICT will be made available to the CONSULTANT. Please see the requirement of Bit Item 13. Flow Monitoring regarding data availability.

**Q21. Task 17.4 CONSULTANT Deliverables does not include provision of DTS data, but Task 17.4 Schedule states "final data shall be submitted to DISTRICT." Is DTS data a deliverable?**

A21 The processed data shall be provided to DISTRICT; the raw data files are not required to be provided. A correction has been made to the item in the RFP.

