



## Memorandum

To: Members of City Council  
From: Patricia Speese, Director of Public Works  
cc: David E. Weiss, Mayor  
Jeri E. Chaikin, CAO  
Christian Maier, Asst. Director of Public Works  
  
Date: July 21, 2020  
Re: Recommendation for 2020 & 2021 Flow Monitoring and Field Services for IDDE

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Flow monitoring is used to determine a pipe's capacity during various rain events or the frequency of a sanitary sewer overflow (SSO) activates. Typically, sewers are designed to handle a five year rain event. If the level of service is below a five year event, this can be documented and submitted in grant applications. After a sewer project is completed, post construction flow monitoring is done to ensure projects have met the performance criteria. An Illicit Discharge Detection and Elimination (IDDE) investigation can vary in complexity. This types of investigations can entail source track source point pollution at an outfall or determine the location of a cross connected building(s).

On May 12, Public Works distributed Requests for Proposals to four consulting firms for professional services related to Flow Monitoring and field service of Illicit Discharge Detection and Elimination (IDDE). The primary purpose of these services is threefold. One, to collect flow data information that can be incorporated in grant applications such as the NEORS Member Community Infrastructure Program (MCIP) and improve our funding chances. Secondly, the selected consultant could perform post construction flow monitoring as directed. Lastly, the consultant may be tasked with source tracking IDDEs and develop recommendations as requested by the City.

The general scope of services included in the RFP were:

- Pre & Post Construction Flow Monitoring
- Review of Existing Data and Studies
- Manhole Inspection
- Pipe Inspection
- Dye & Smoke Testing
- Development of Preliminary recommendations

The contract would be a task order contract for 2020, with the option to renew in 2021.

On May 29, 2020 Public Works received two (2) proposals. The Quality Based Selection (QBS) process, a requirement for projects receiving funding from the State, was used to score the technical merits of the proposals. As part of the QBS process, fee is not used as a scoring criterion. The consultant firms that submitted proposals were:

Consultant Firm	2020 Fee	2021 Fee	Ranking
AECOM	\$43,073	\$45,850	1
Wade Trim	\$62,250	\$60,000	2

Due to COVID-19, we did not conduct interviews with AECOM. We are very familiar with the project manager and team as they have worked on numerous projects for the city performing similar services. Supplementing their team is the GPD Group which brings a sound understanding of our challenges and intent. AECOM's technical approach is in alignment with our project needs. Funding for these services is part of the overall sewer budget.

Having this bid in place will save the city approximately \$11,000 or close to 30% from what we had paid per project previously.

This request was presented and unanimously approved at the July 10, 2020 Safety & Public Works Committee meeting. The question was raised as asked why only two of the four firm's submitted proposals and it was explained that this is a task that not a lot of firms have experience with providing. This request was presented to the Finance Committee meeting on July 20, 2020 and was unanimously approved.

Based on their understanding of the program intent, proposed project team and technical approach, we recommend this contract be awarded to AECOM for professional services related to 2020 Flow Monitoring and Field Services for IDDE (in the amount of \$43,073) with the option to renew in 2021 (in the amount of \$45,850). We recommend that Council approves the request under suspension of the rules and as an emergency so that we can enter into this contract as soon as possible.

ORDINANCE NO.

BY:

Authorizing a contract for up to two years with AECOM Technical Services, Inc. in the total not to exceed amount of \$88,923 for professional flow monitoring and field personal services related to sanitary sewer illicit discharge detection and elimination (IDDE) investigations, and declaring an emergency.

WHEREAS, sewer flow monitoring, for an illicit discharge detection and elimination (IDDE) investigation, is used to determine a pipe's capacity during various rain events or the frequency of sanitary sewer overflow (SSO) activity, and such data is used for grant applications, as well as for post sewer construction to ensure projects have met required performance criteria; and

WHEREAS, on May 12, 2020, the Public Works Department issued a Request for Proposals to four consulting firms for professional services related to flow monitoring and field services for illicit discharge detection and elimination (IDDE) investigations, and two proposals were received; and

WHEREAS, the proposal of AECOM Technical Services, Inc. has been determined to be the best proposal based upon the Quality Based Selection (QBS) process, a requirement for projects receiving funding from the State of Ohio; and

WHEREAS, AECOM Technical Services, Inc. proposed a fee for this work in the amount of FORTY-THREE THOUSAND SEVENTY-THREE DOLLARS (\$43,073) for the first 12 month period, and FORTY-FIVE THOUSAND EIGHT HUNDRED FIFTY DOLLARS (\$45,850) for the second 12 month period, should the City exercise its option to renew the contract for a second year; and

WHEREAS, pursuant to Section 141.03 of the Codified Ordinances, the Director of Public Works has recommended the acceptance of the proposal of AECOM Technical Services, Inc. and that the City enter into a contract for up to two years for the firm's services.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Shaker Heights, State of Ohio:

Section 1. The Mayor is hereby authorized to enter into a contract for a period of up to two years with AECOM Technical Services, Inc. in the total not to exceed amount of EIGHTY-EIGHT THOUSAND NINE HUNDRED TWENTY-THREE DOLLARS (\$88,923) for professional flow monitoring and field personal services related to sanitary sewer illicit discharge detection and elimination (IDDE) investigations. Said contract shall be in the form as approved by the Director of Law.

Section 2. This ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, safety and welfare for the reason that it is necessary in the current operation of the City and so that the City can proceed with this much needed program to protect the public health and safety, and, therefore, this

ordinance shall take effect immediately upon its enactment and approval by the Mayor.

Enacted

Approved this \_\_\_\_ day of \_\_\_\_\_ 2020.

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DAVID E. WEISS, Mayor

Attest:

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JERI E. CHAIKIN  
Clerk of Council

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