



Memorandum

To: Safety & Public Works Committee
From: Patricia Speese, Director of Public Works
cc: Mayor David Weiss, CAO Jeri Chaikin
Date: January 8, 2021
Re: **Request to Enter into an Agreement with DLZ for Engineering Services for Lomond / Lynnfield SSO 11**

The City of Shaker Heights was awarded a grant through the Northeast Ohio Regional Sewer District's (NEORS) Member Community Infrastructure Program (MCIP) for the design to mitigate the number of activations at the sanitary sewer overflows located at Lynnfield / Lomond (SSO 11). The estimated cost for designing the project is estimated to be \$225,000. NEORS will reimburse the City for 50% of the project cost.

In the Request for Proposal (RFP), the City outlined an approach that generally consisted of reducing infiltration and inflow, increasing capacity, and modifying the SSO structure. The consultant will be tasked with reviewing existing data, hydraulic modeling and collection of survey data. Based on this information the consultant will determine the most beneficial, cost effective approach to rehabilitate and / or replace the sewer mains to control the SSO at Lynnfield / Lomond to a 10-year, one hour event. The final task will be to prepare construction contract documents and probable costs of construction. Per the grant requirements, the design project will be completed by December 31, 2021.

On November 2, 2020 Public Works distributed Request for Proposals to seven (7) consultants and posted on the City's website. Three (3) consultants submitted proposals on November 20. Evaluations were performed by the Director of Public Works, Assistant Director of Public Works and Public Work's Superintendent. The Quality Based Selection (QBS) process 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 scoring was based on criteria outlined in the RFP and consisted of:

- Technical Approach (40 Points)
- Project Team Experience (30 Points)
- Firm's Project Experience (30 Points)

The consultant firms that submitted proposals are as follows:

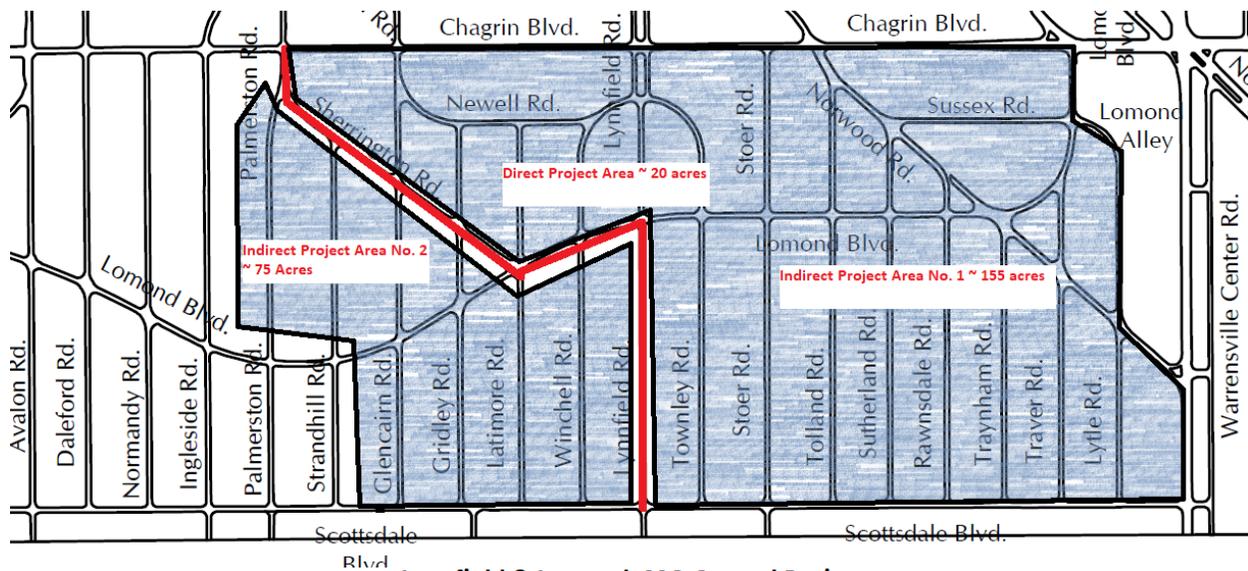
Consultant	Average Score	Fee
DLZ	97	\$242,205.50/ REVISED \$229,897
GPD Group	93	\$223,321
R2O	92	\$259,753

DLZ submitted an impressive proposal. During the pre-proposal meeting, the consultants were encouraged to think “outside of the box” and present potentially creative solutions. Throughout DLZ’s proposal, they illustrated various design concepts that may help mitigate the overflows at the SSO at Lynnfield / Lomond. This ranged from different rehabilitation methods, to replacement of various segments of sewer and the potential opportunity for green infrastructure. The project team presented various projects were these different strategies where successfully implemented. DLZ as a firm has provided consulting services to the City and NEORS and has consistently provided sound engineering judgement and buildable deliverables. DLZ is the largest MBE Engineering firm in the country.

As illustrated in the attachment, the project limit area is approximately 20 acres. Within the project area, the team will be looking at a combination of increasing the capacity of the sanitary sewer and possible rehabilitation of section sections to minimize the activation of the SSO at Lynnfield / Lomond. This will be further refined in the design. The area tributary to the project limits is roughly 230 acres. With the anticipation of increasing the size of the sewers along Lomond and Sherrington, this will benefit the tributary areas by providing additional capacity.

Public Works staff interviewed the project team on December 11, 2020. Their enthusiasm for the project was authentic. In discussing the project and its goals, it was clear DLZ had assembled a team that had already reviewed much of the existing data and understood the challenges in this area due to previous work with the Sewer District. DLZ’s submitted fee was \$242,205.50. At the City’s request and further showing their commitment to the project, DLZ submitted a revised fee of \$229,897.

Based on their understanding of the project, proposed project team and technical approach, we request to enter into a contract with the DLZ for engineering services for the sanitary sewer overflow at Lynnfield / Lomond (SSO 11) project in the amount of \$229,897 so the City can proceed with this much needed improvement. NEORS will reimburse the City for \$112,500.



Lynnfield & Lomond SSO Control Project