



CITY of NOVI CITY COUNCIL

Agenda Item G November 26, 2018

SUBJECT: Approval to award construction engineering services to Spalding DeDecker for the Grand River Avenue and Jo Drive Sanitary Sewer Repair project in the amount of \$60,544.17.

SUBMITTING DEPARTMENT: Department of Public Works, Water & Sewer Division

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	\$ 60,544.17
AMOUNT BUDGETED	\$ 619,947
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	592-592.00-976.038

BACKGROUND INFORMATION:

This project involves the repair and replacement of sanitary sewer in two locations; the north side of Grand River along the frontage of the Cadillac dealership, and at the east end of Jo Drive (see attached location map). The 10-inch sanitary sewer on Grand River has settled, requiring replacement of a 385-foot long section of pipe to avoid a potential sewer blockage. This work requires bypass pumping around the project limits, and will include some significant dewatering due to existing ground water conditions. The repairs at the end of Jo Drive involve two sections of sanitary sewer pipe where joints have separated and/or the pipe has settled.

Spalding DeDecker, the City's Engineering consultant, assisted the Water and Sewer Division with developing the plans for this project. The plans were advertised for public bids on August 8, 2018. The construction phase engineering fees are determined using two components: 1) the contract administration fee, determined using the fee percentage in Exhibit B of the Agreement for Professional Engineering Services for Public Projects, and 2) the construction inspection fee determined using a cost per inspection (crew) day from Exhibit B of the consultant's agreement multiplied by the number of days of inspection specified by the contractor. The construction phase engineering fees for this project include a contract administration fee of \$31,454.17 (6.75% of the \$465,987.75 construction bid) and an inspection fee of \$28,000 (\$700 per crew day, multiplied by the 40 days provided in the contractor's bid), plus an additional fee of \$1,090 for research into alternative construction methods, for a total fee of \$60,544.17.

The construction award associated with this project is proposed elsewhere on this agenda. Substantial completion for this project is anticipated by fall 2019.

RECOMMENDED ACTION: Approval to award construction engineering services to Spalding DeDecker for the Grand River Avenue and Jo Drive Sanitary Sewer Repair project in the amount of \$60,544.17.

November 15, 2018

Mr. Ben Croy, PE
City of Novi Engineering Division
26300 Lee BeGole Drive
Novi, Michigan 48375

Re: Grand River & Jo Sanitary Sewer repair – Construction Engineering Services
SD Job No.: NV17015

Dear Mr. Croy:

Spalding DeDecker is pleased to provide the following proposal for Construction Engineer for the Grand River & Jo Sanitary Sewer repair project in accordance with the Agreement for Professional Engineering Services for Public Projects.

Project Overview and Scope of Services

This project includes replacement of gravity sanitary sewer pipe and structures in Section 24 of the City of Novi along the north line of Grand River, east of Meadowbrook Road and at the east end of Jo Drive. Our Construction Engineering services will include Construction Contract Administration and Inspection, as defined in the Agreement for Professional Engineering Services for Public Projects.

Construction Cost and Proposed Fees

Construction Administration fee is based on a percentage of the as bid construction cost and the percentage used is based on the type of proposed work, as defined in the original Agreement. The fees for this project will be based on the “Sanitary/Storm sewer construction” rates in the fee table.

Construction Inspection Services will be provided for \$700.00 per crew day as described in the original Agreement. The original budget will be that of the Crew Day bid amount of the awarded Contractor.

CONSTRUCTION ADMINISTRATION:	$\$465,987.75 \times 6.75\%$	\$31,454.17
<u>CONSTRUCTION INSPECTION:</u>	<u>$\\$700.00/\text{Crew Day} \times 40 \text{ Days}$</u>	<u>\$28,000.00</u>
TOTAL:		\$59,454.17

If you have any questions regarding this matter, please give me a call at your earliest convenience.

Thank you,

SPALDING DEDECKER ASSOCIATES, INC.

Ghassan (Gus) K. Dahoui, PE
Project Manager

cc: T. Meadows, D. Richmond, T. Reynolds

Grand River and Jo Dr Sanitary Repairs

Location Map



Legend

Sanitary Gravity Main

- 8-Inch Sanitary
- 10-Inch Sanitary



City of Novi
 Engineering Division
 Department of Public Services
 26300 Lee BeGole Drive
 Novi, MI 48375
 cityofnovi.org

Map Author: Croy
 Date: August 2017
 Project: Grand River and Jo Dr San Repair
 Version #: v2.0

MAP INTERPRETATION NOTICE
 Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.