



CITY of NOVI CITY COUNCIL

Agenda Item D
May 21, 2018

SUBJECT: Approval to award civil engineering services to Spalding DeDecker for construction engineering services associated with the Thirteen Mile Road Rehabilitation (Novi Road to Meadowbrook Road) in the amount of \$39,377.49.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 39,377.49
AMOUNT BUDGETED	\$ 917,783 (FY 2018-19)
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	202-202.00-865.176

BACKGROUND INFORMATION:

The City recognized the need and planned for the rehabilitation of Thirteen Mile Road from Novi Road to Meadowbrook Road. The proposed work initially identified by the City included milling and filling the existing asphalt road. The geotechnical investigation identified peat and other organic material present in the subgrade, and therefore, recommended reconstruction for a portion of the project limits. The geotechnical investigation confirmed the mill and fill rehabilitation for the remainder of Thirteen Mile Road. These proposed road repairs project a 15-year minimum service life.

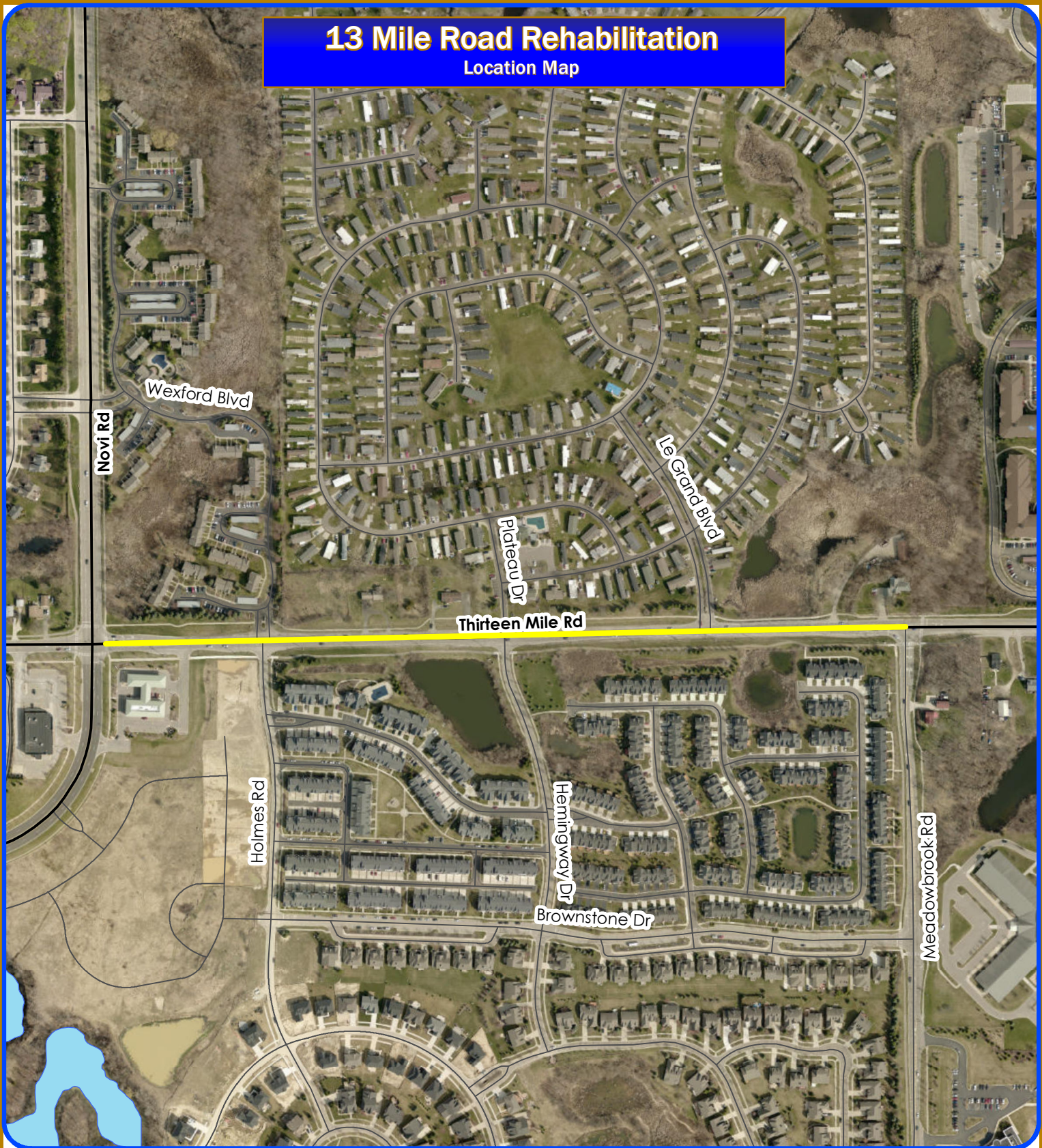
Consulting Engineer Spalding DeDecker assisted the Engineering Division developing the plans for this project. Staff advertised the plans for public bids on March 28, 2018. The construction phase engineering fees are determined using two components: 1) the contract administration fee, using the fee percentage in Exhibit B of the Agreement for Professional Engineering Services for Public Projects, and 2) the construction inspection fee using a cost per inspection (crew) day from Exhibit B of the consultant's agreement that is then 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 \$28,877.49 (6.25% of the \$462,039.90 construction bid) and an inspection fee of \$10,500.00 (\$700 per crew day, multiplied by the 15 days provided in the contractor's bid) for a total fee of \$39,377.49.

Consideration for the construction contract award is proposed elsewhere on this agenda. Staff is seeking approval to award the project on this agenda, in order to facilitate construction when the funds become available at the start of the fiscal year (July 1, 2018). Estimated substantial completion for the project is before the fall school semester starts.

RECOMMENDED ACTION: Approval to award civil engineering services to Spalding DeDecker for construction engineering services associated with the Thirteen Mile Road Rehabilitation (Novi Road to Meadowbrook Road) in the amount of \$39,377.49.

13 Mile Road Rehabilitation


Location Map

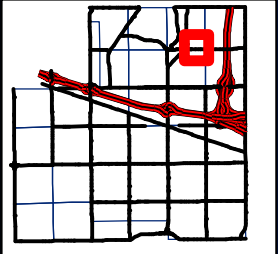


Map Author: Joseph Akers
 Date: April 27, 2018
 Project: 13 Mile Road Rehabilitation
 Version #: 1


Amended By:
 Date:
 Department:

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 332 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.


Limits of Road Construction



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


 1 inch = 419 feet



April 30, 2018

Mr. Joseph Akers
City of Novi Engineering Division
26300 Lee BeGole Drive
Novi, Michigan 48375

Re: 13 Mile Road Reconstruction – Construction Engineering Services
SD Job No.: NV17011

Dear Mr. Akers:

Spalding DeDecker is pleased to provide the following proposal for Construction Engineer for the 13 Mile Road Reconstruction project in accordance with the Agreement for Professional Engineering Services for Public Projects dated December 18, 2017.

Project Overview and Scope of Services

This project includes reconstruction of 0.6 miles of 13 Mile Road between Novi Road and Meadowbrook Road. 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 “Road Reconstruction” 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:	$\$462,039.90 \times 6.25\%$	\$28,877.49
<u>CONSTRUCTION INSPECTION:</u>	<u>$\\$700.00/\text{Crew Day} \times 15 \text{ Days}$</u>	<u>\$10,500.00</u>
TOTAL:		\$39,377.49

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

Thank you,

SPALDING DEDECKER ASSOCIATES, INC.

Ghassan K. Dahoui, PE
Project Manager