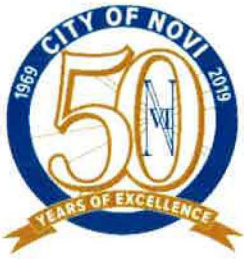


# CITY of NOVI CITY COUNCIL

**Agenda Item G  
March 18, 2019**



**SUBJECT:** Approval to award civil engineering services to Spalding DeDecker for construction engineering services associated with the South Lake Drive Storm Sewer Structure Rehabilitation project (Lilley Trail to Old Novi Road) in the amount of \$23,205.80.

**SUBMITTING DEPARTMENT:** Department of Public Works, Engineering Division

**CITY MANAGER APPROVAL:** 

<b>EXPENDITURE REQUIRED</b>	<b>\$ 23,205.80</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 396,121</b>
<b>APPROPRIATION REQUIRED</b>	<b>\$ 0</b>
<b>LINE ITEM NUMBER</b>	<b>210-211.00-865.052</b>

## **BACKGROUND INFORMATION:**

The South Lake Drive storm sewer system from West Park Drive to 13 Mile Road was constructed in 2003. Since that time, the City has experienced issues with the storm sewer manholes in the existing pavement. The City has been regularly repairing these manholes and the existing pavement that has settled at each structure. Many of these storm sewer structures are located within the influence of the existing bike lane located along the south side of South Lake Drive which poses a hazard to the safety and welfare of the bike lane users. The City's Engineering Consultant, Spalding DeDecker, visited the site and inspected three manholes that have shown severe signs of deterioration and found the structures were filled with water to within 12" of the rim of the casting. The deterioration of each structure is due to the high water table in the area and the entire storm sewer system up to the outlet pipe is submerged in the Walled Lake drainage area. This project will repair 30 storm sewer structures and will include spray foam that will be applied to the inner walls in order to enhance the longevity of each structure.

Spalding DeDecker, the City's Engineering Consultant, assisted the Engineering Division with developing the plans for this project. Engineering staff advertised the plans for public bids on January 23, 2019. 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; 2) The construction inspection fee, 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.

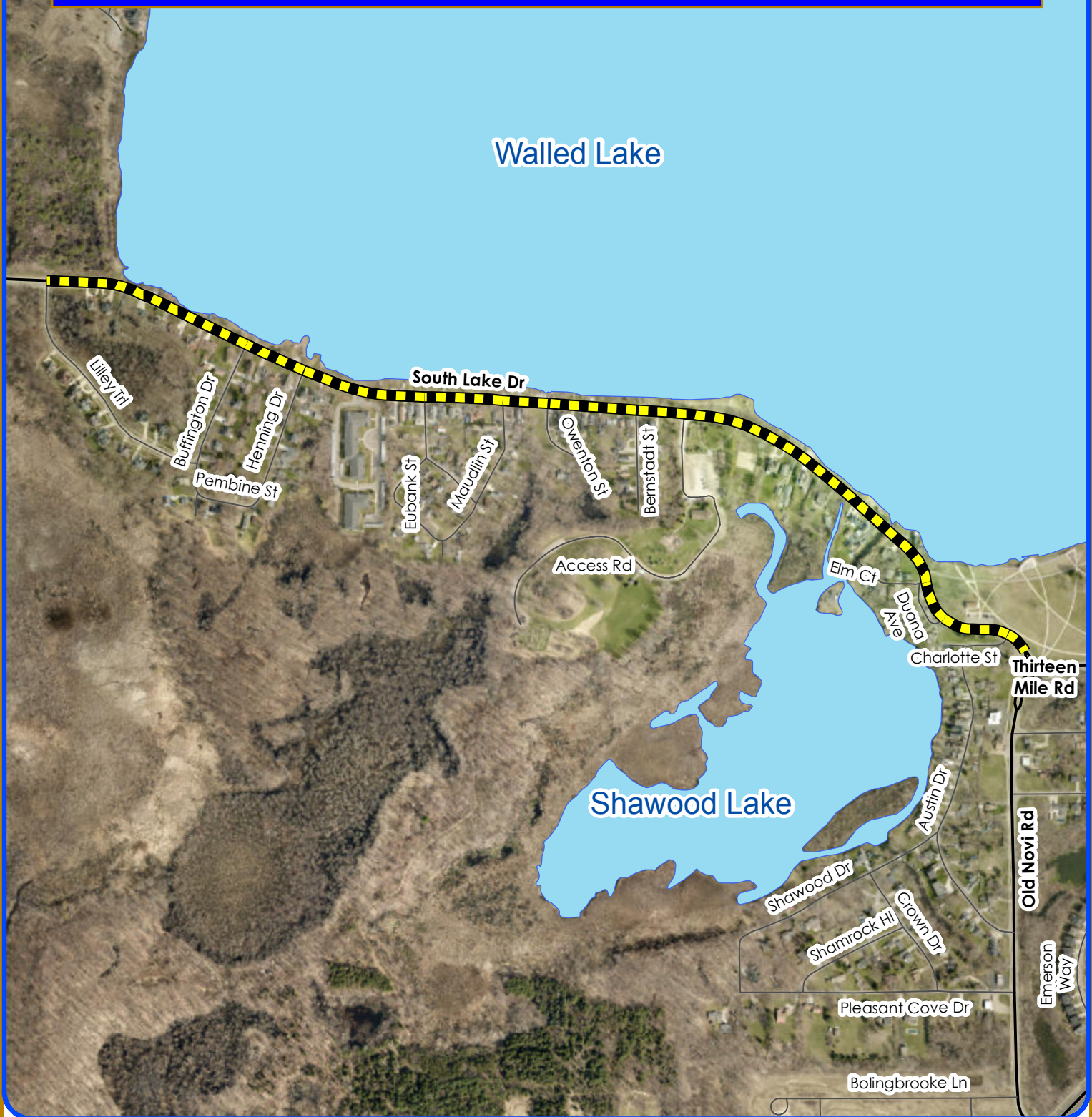
The construction phase engineering fees for this project include a contract administration fee of \$9,205.80 (7.5% of the \$122,744.00 construction bid) and an inspection fee of \$14,000.00 (\$700 per crew day, multiplied by the 20 days provided in the contractor's bid) for a total fee of \$23,205.80. The construction contract award is proposed for consideration elsewhere on this agenda. It is anticipated the project will be substantially completed by September 2019.

**RECOMMENDED ACTION:** Approval to award civil engineering services to Spalding DeDecker for construction engineering services associated with the South Lake Drive Storm Sewer Structure Rehabilitation project (Lilley Trail to Old Novi Road) in the amount of \$23,205.80.



# South Lake Drive Storm Sewer and Storm Structure Rehabilitation

## Location Map




Map Author: Joseph Akers  
 Date: June 18, 2018  
 Project: South Lake Drive Storm Sewer & CB Repair  
 Version: 1

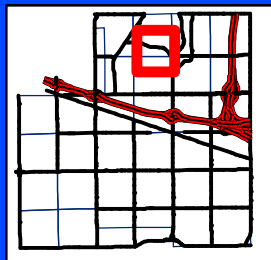
Amended By:  
 Date:  
 Department:

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

**Legend**

 Proposed Inspection Limits



**City of Novi**

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



1 inch = 667 feet



February 25, 2019

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

Re: South Lake Drive Structure Rehabilitation  
SDA Project No.: Job No NV18007

Dear Mr. Akers:

Spalding DeDecker is pleased to provide the following proposal for Construction Engineer for the South Lake Drive Structure Rehabilitation project in accordance with the Agreement for Professional Engineering Services for Public Projects dated December 18, 2017.

### **Project Overview and Scope of Services**

The project consists of the rehabilitation and sealing of 30 storm structures, as well as removal and replacement of any HMA pavement or curb and gutter effected by, or interfering with the work performed on said structures within the pavement of South Lake 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:	\$122,744.00 x 7.5%	\$9,205.80
<u>CONSTRUCTION INSPECTION:</u>	<u>\$700.00/Crew Day x 20 Days</u>	<u>\$14,000.00</u>
TOTAL:		\$23,205.80

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**