



# CITY of NOVI CITY COUNCIL

**Agenda Item E**  
**July 23, 2018**

**SUBJECT:** Approval to award civil engineering services to AECOM for construction engineering services associated with the 2018 Chip Seal program in the amount of \$15,166.25.

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

**CITY MANAGER APPROVAL:** 

<b>EXPENDITURE REQUIRED</b>	<b>\$ 15,166.25</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 220,965      FY 2017-18 Rollover</b>
<b>APPROPRIATION REQUIRED</b>	<b>N/A</b>
<b>LINE ITEM NUMBER</b>	<b>203-203.00-870.018</b>

**BACKGROUND INFORMATION:**

The 2018 Chip Seal program is an ongoing effort to rehabilitate Novi's chip seal roads. Chip sealing provides an application of a special protective wearing surface to an existing pavement. There are only a handful of chip seal streets in Novi which typically carry lower traffic volumes. This year, the chip seal program will focus on the following local roads:

- Brenda Lane
- Joseph Drive
- Burton Drive
- Delmont Drive
- Dinser Drive

The low bidder Highway Maintenance and Construction Company included a letter with their bid indicating their schedule was booked and they are not able to complete the work by the seasonal limitation date of September 15. Highway Maintenance agreed to do the patching preparation in 2018 and complete the chip seal application in the spring of 2019.

AECOM, the City's Engineering Consultant, assisted the Engineering Division with developing the plans for this project. Staff advertised the plans for public bids on June 13, 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; 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 \$8,166.25 (6.25% of the \$130,660.03 construction bid) and an inspection fee of \$7,000 (\$700 per crew day, multiplied by the 10 days provided in the contractor's bid) for a total fee of \$15,166.25. The construction contract award is proposed for consideration elsewhere on this agenda. The project will be substantially complete by spring 2019.

**RECOMMENDED ACTION:** Approval to award civil engineering services to AECOM for construction engineering services associated with the 2018 Chip Seal program in the amount of \$15,166.25.

# 2018 Chip Seal Program

Location Map



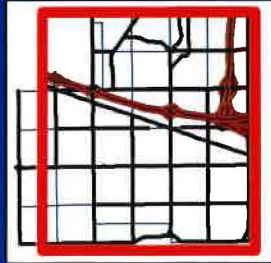
Map Author: Joseph Akers  
 Date: April 23, 2018  
 Project: 2018 Chip Seal Program  
 Version #: 1

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.

Chip Seal Candidate Streets



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





July 6, 2018

Mr. Joseph Akers  
City of Novi  
Engineering Department  
26300 Lee BeGole Dr  
Novi, MI 48375

Reference: 2018 Chip Seal Program – Construction Engineering Services  
AECOM Project Number 6077083

Dear Mr. Akers:

AECOM is pleased to provide the following proposal for Construction Engineering services for the 2018 Chip Seal Program Project in accordance with the Civil Engineering Master Services Agreement dated December 18, 2017.

**Project Overview and Scope of Services**

This project includes chip sealing of various local roadways. Our Construction Engineering services will include Construction Contract Administration and Inspection, as defined in the Civil Engineering Master Services Agreement.

**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 Construction rates in the fee table for Roadway Rehabilitation (6.25%).

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.(10 Days)

CONSTRUCTION ADMINISTRATION:  $\$130,660.03 \times 6.25\% = \$ 8,166.25$   
CONSTRUCTION INSPECTION:  $\$700.00/\text{Crew Day} \times 10 \text{ Days} = \$ 7,000.00$   
TOTAL: \$15,166.25

Please feel free to contact me if you have any questions regarding this matter.

Sincerely,

Sean Kelsch, P.E.  
Project Manager

cc: Mark Koskinen, AECOM