



CITY of NOVI CITY COUNCIL

**Agenda Item D
October 22, 2018**

SUBJECT: Approval to award civil engineering services to AECOM for construction engineering services associated with the 2018 Boardwalk Repair Program in the amount of \$80,839.29.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 80,839.29
AMOUNT BUDGETED	\$ 506,750 400-204.00-974.476
	\$ 130,000 204-204.00-974.476
	\$ 636,750
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	400-204.00-974.476
	204-204.00-974.476

BACKGROUND INFORMATION:

In an attempt to reestablish the City's boardwalk network, the Engineering and Field Operations Divisions created a plan to refurbish and restore the City boardwalks. Staff evaluated and categorized each boardwalk for maintenance, repair, or replacement based on the condition. Staff selected the following six boardwalk candidates for repair based on condition and usage:

- o **Boardwalk #1** – South side 9 Mile Road, east of Roethel Drive;
- o **Boardwalk #3** – South side 10 Mile Road, west of Novi Road;
- o **Boardwalk #4** – North side 10 Mile Road, east of Churchill Boulevard and currently dead-ends (being reconstructed in-kind in anticipation of private developer completing the non-motorized connection to the west)
- o **Boardwalk #11** – West side Beck Road, north of 9 Mile Road;
- o **Boardwalk #14** – West side Novi Road, north of 12 Mile Road;
- o **Boardwalk #17** – West side Wixom Road, south of Island Lake Drive.

AECOM, 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 September 27, 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.

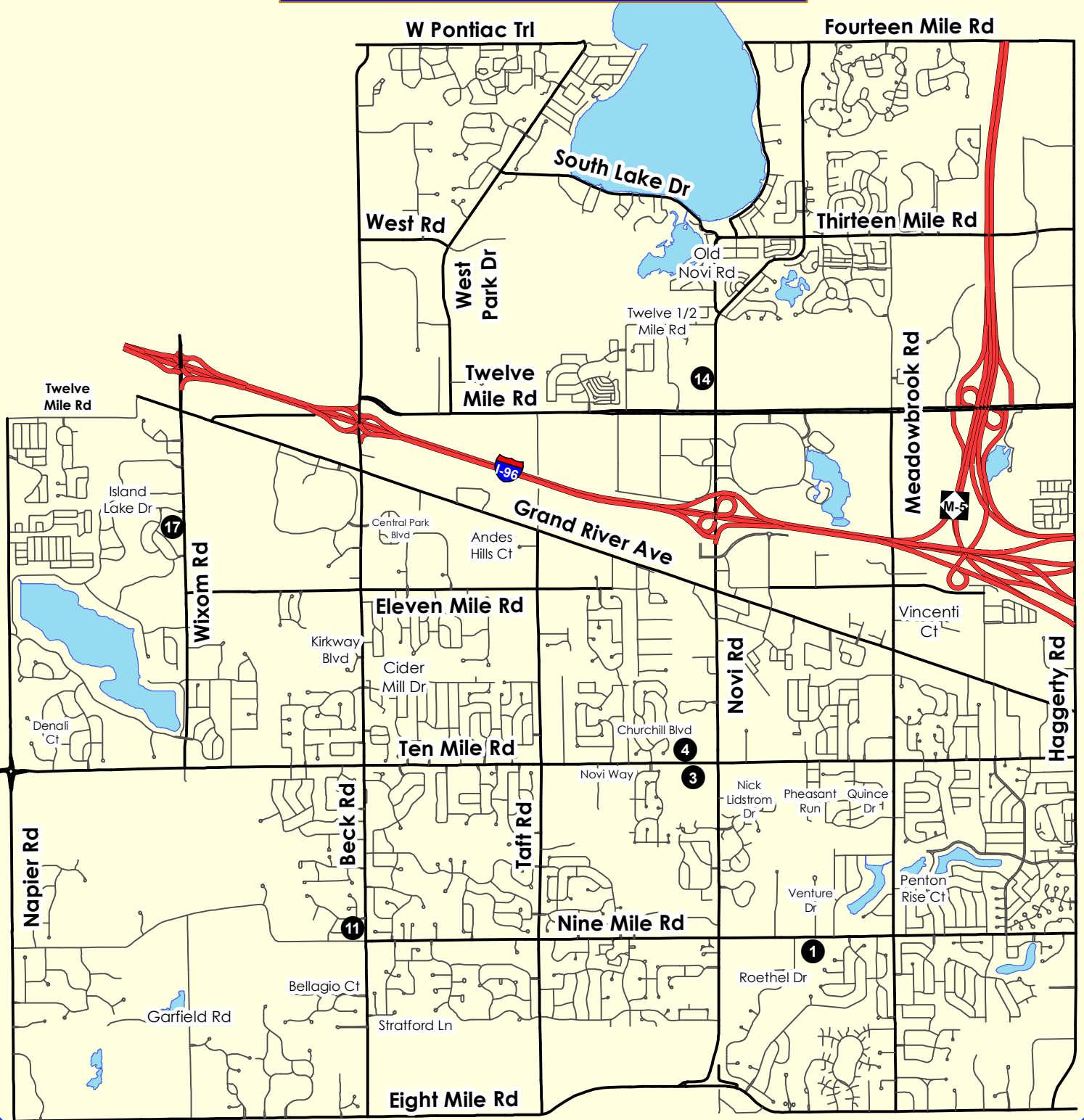
The construction phase engineering fees for this project include a contract administration fee of \$38,139.29 (7.00% of the \$544,847.00 construction bid) and an inspection fee of \$42,700.00 (\$700 per crew day, multiplied by the 61 days provided in the contractor's bid) for a total fee of \$80,839.29. Since the CIP Budget for the project is \$500,000.00, staff recommends using savings from the Pontiac Trail sidewalk project (\$130,000.00) to complete the all of aforementioned list including the alternate, and capitalize on unit

prices. The construction contract award is proposed for consideration elsewhere on this agenda. It is anticipated the project will be substantially completed in April 2019.

RECOMMENDED ACTION: Approval to award civil engineering services to AECOM for construction engineering services associated with the 2018 Boardwalk Repair Program in the amount of \$80,839.29.

2018 Boardwalk Repairs

Location Map



Map Author: Joseph Akers
 Date: October 9, 2018
 Project: Boardwalks
 Version #: 1.1

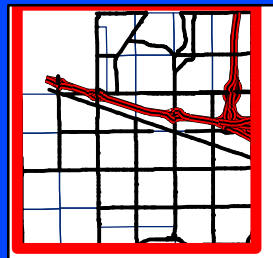
Amended By:
 Date:
 Department:

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.



Boardwalk Repair Locations



City of Novi

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

Feet

0 850 1,700 3,400 5,100

1 inch = 4,190 feet





October 12, 2018

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

Reference: 2018 Boardwalk Repair Program– Construction Engineering Services
AECOM Project Number 60579376

Dear Mr. Akers:

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

Project Overview and Scope of Services

This project includes the repair and removal/replacement of boardwalks at various locations in the City. The Base Bid includes 5 Boardwalk Locations. Bid Alternate 1 includes 1 additional location.

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 are based on the “Non-Motorized” 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.

Based upon the award of both the Base and Alternate 1 Bid work our fees will be:

CONSTRUCTION ADMINISTRATION:	$\$544,847.00 \times 7.00\% =$	\$ 38,139.29
CONSTRUCTION INSPECTION:	$\$700.00/\text{Crew Day} \times 61 \text{ Days} =$	\$ 42,700.00
TOTAL:		\$ 80,839.29

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

Sincerely,
AECOM Great Lakes


Sean Kelsch, P.E.
Project Manager