



CITY of NOVI CITY COUNCIL

**Agenda Item 8
May 21, 2018**

SUBJECT: Approval to award civil engineering services to AECOM for construction engineering services associated with the Taft Road Reconstruction (Ten Mile Road to Grand River Avenue) project in the amount of \$159,318.96.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 159,318.96
AMOUNT BUDGETED	\$ 2,539,890
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	202-202.00-865.179

BACKGROUND INFORMATION:

The proposed reconstruction of Taft Road includes crushing existing asphalt and converting it to a base layer, followed by the placement of two lifts (approx. 6 inches) of hot mix asphalt (HMA). The scope of this project also includes northbound and southbound bike lanes along the project limits, which would satisfy the City's Non-Motorized Master Plan.

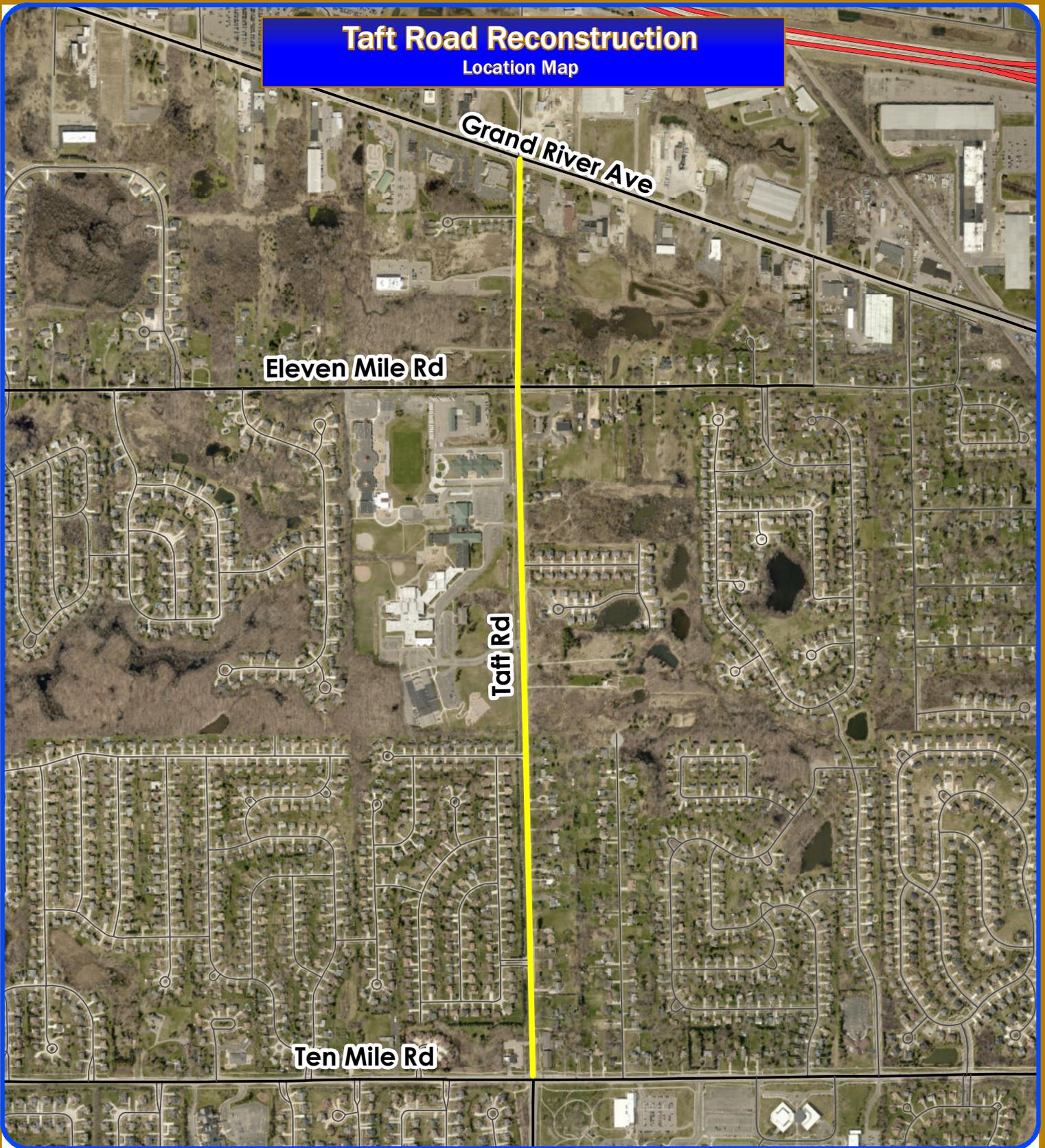
AECOM, the City's Engineering consultant, assisted the Engineering Division with developing the plans for this project. Staff advertised the plans for public bids on April 16, 2018. The construction phase engineering fees are determined using two components: 1) the contract administration fee, using 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 \$88,968.96 (4.50% of the \$1,977,088.00 construction bid) and an inspection fee of \$70,350.00 (\$700 per crew day, multiplied by the 100.5 days provided in the contractor's bid) for a total fee of \$159,318.96.

The construction contract award is proposed for consideration elsewhere on this agenda. The project will be substantially complete by fall 2018.

RECOMMENDED ACTION: Approval to award civil engineering services to AECOM for construction engineering services associated with the Taft Road Reconstruction (Ten Mile Road to Grand River Avenue) project in the amount of \$159,318.96.

Taft Road Reconstruction

Location Map

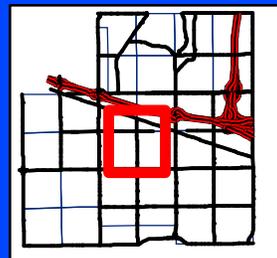
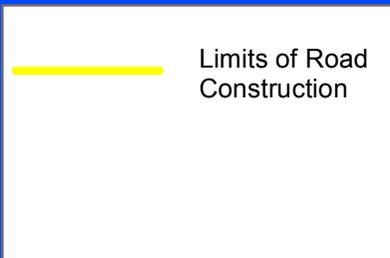


Map Author: Joseph Akers
Date: April 30, 2018
Project: Taft Road Reconstruction
Version #: 1

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.



City of Novi

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



1 inch = 1,000 feet





May 2, 2018

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

Reference: Taft Rd Rehabilitation (10 Mile Rd to Grand River Ave) – Construction
Engineering Services
AECOM Project Number 60558332

Dear Mr. Akers:

AECOM is pleased to provide the following proposal for Construction Engineer for the Taft Rd Rehabilitation (10 Mile Rd to Grand River Ave) project in accordance with the Civil Engineering Master Services Agreement dated December 18, 2017.

Project Overview and Scope of Services

This project includes crushing and shaping the existing bituminous roadway on Taft Rd, overlay and paving of shoulders, replacing driveways, and upgrades to adjacent ADA ramps. 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 “Reclamation” 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: $\$1,977,088.00 \times 4.50\% = \$88,968.96$
CONSTRUCTION INSPECTION: $\$700.00/\text{Crew Day} \times 100.5 \text{ Days} = \$70,350$
TOTAL: \$159,318.96

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

Sincerely,

Sean Kelsch, P.E.
Project Manager