

CITY of NOVI CITY COUNCIL

Agenda Item 5
April 1, 2019



SUBJECT: Approval to award civil engineering services to AECOM for construction engineering services associated with the Crescent Boulevard (NW Ring Road) and Industrial Spur Road Construction project in the amount of \$311,728.50.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 311,728.50
AMOUNT BUDGETED	\$ 1,818,820 Major Street Fund \$ 3,966,256 Corridor Improvement Authority \$ 5,785,076
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	202-202.00-865.260 Major Street Fund 246-202.00-865.260 Corridor Improvement Authority

BACKGROUND INFORMATION:

Crescent Boulevard design plans were originally completed in 2010. In early 2019, the City's Consultant Engineer, AECOM updated the design plans to adhere to the current Michigan Department of Transportation (MDOT) and the American Association of State Highway and Transportation Officials (AASHTO) design and construction standards. The City has an active MDEQ permit with the deadline of the beginning of June 2020 to begin construction. The MDEQ permit cannot be extended and would require a new application submittal if the proposed work within the Middle Rouge is not completed by July 1, 2020. The project features a 1,050-foot-long, four-lane boulevard extension from the intersection of Grand River Avenue to the intersection of future Adell Center Drive and the construction of a 650-foot-long industrial spur road to service the Comau Industrial Facility. The industrial spur road would also provide improved access to the General Filters site. As part of this project, there will also be rehabilitation work to replace deteriorated concrete pavement just west of Novi Road along existing Crescent Boulevard.

AECOM assisted the Engineering Division with developing the plans for this project. Engineering staff advertised the plans for public bids on February 20, 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 \$224,228.50 (4.75% of the \$4,720,600.01 construction bid) and an inspection fee of \$87,500.00 (\$700 per crew day, multiplied by the 125 days provided in the contractor's bid) for a total fee of \$311,728.50. The construction contract award is proposed for consideration elsewhere on this agenda. The northerly limits of the road construction are planned to be completed by July 2019. It is anticipated the project will be substantially

RECOMMENDED ACTION: Approval to award civil engineering services to AECOM for construction engineering services associated with the Crescent Boulevard (NW Ring Road) and Industrial Spur Road Construction project in the amount of \$311,728.50.

Crescent Boulevard & Industrial Spur Construction

Location Map



Map Author: Joseph Akers
Date: March 13, 2019
Project: Crescent Boulevard & Industrial Spur
Version: 1

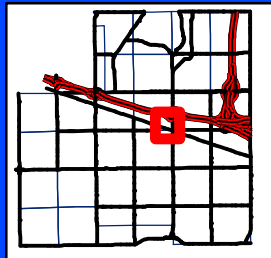
Amended By:
Date:
Department:

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

 New Road Construction



City of Novi

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



1 inch = 429 feet





March 14, 2019

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

Reference: Crescent Blvd. & Industrial Spur Construction – Construction Engineering
Services Proposal
AECOM Project Number 12941940

Dear Mr. Akers:

AECOM is pleased to provide the following proposal for Construction Engineering services for the above referenced project in accordance with the Civil Engineering Master Services Agreement dated December 18, 2017.

Project Overview and Scope of Services

This project includes construction of new roadways, including grading, drainage, sidewalks, traffic signals, structures, and miscellaneous work. 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 award amount 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:	$\$4,720,600.01 \times 4.75\% =$	\$ 224,228.50
CONSTRUCTION INSPECTION:	$\$700.00/\text{Crew Day} \times 125 \text{ Days} =$	\$ 87,500.00
TOTAL:		\$311,728.50

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

Sincerely,

Sean Kelsch, P.E.
Project Manager