



**CITY OF NOVI CITY COUNCIL**  
**JUNE 6, 2022**

**SUBJECT:** Approval to award engineering design services to AECOM for an Industrial Road Rehabilitation program, in the amount of \$95,281.67.

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

<b>EXPENDITURE REQUIRED</b>	<b>\$ 51,606.76 Base Bid- Major Roads</b>
	<b>\$ 20,205.18 Alternate Bid – Major Roads</b>
	<b><u>\$ 23,469.73 Alternate Bid – Local Roads</u></b>
	<b>\$ 95,281.67 Total</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 94,815.00 Major Roads (FY 2022-23 Budget)</b>
	<b>\$ 493,880.00 Local Roads (FY 2022-23 Budget)</b>
<b>APPROPRIATION REQUIRED</b>	<b>\$ 0</b>
<b>LINE ITEM NUMBER</b>	<b>202-202.00-865.248 Major Roads</b>
	<b>203-203.00-865.248 Local Roads</b>

**BACKGROUND INFORMATION:**

City staff identified roads for repair in the Beck North Corporate Park and the Beck West Industrial Park (both zoned for light and/or general industrial activity). Staff is proposing design of all the identified roads, but the project would be bid out with two of the roads included in a base bid, and the remaining included as alternates. This would give the City the option to exclude the alternates if bid prices come back higher than expected. The roads proposed for the base bid are Magellan Drive and Humboldt Drive in the Beck West Industrial Park. The roads proposed for the alternate bid are Hudson Drive, Desoto Court, Peary Court, and Ryan Court in the Beck North Corporate Park.

The attached design engineering services proposal outlines the detailed scope of services. The design fee for this project will be \$51,606.76 for the base bid (5.5% of the estimated construction cost of \$938,304.77) plus \$43,674.91 for the alternate bids (5.5% of the estimated construction cost of \$794,089.27). AECOM's engineering fees are based on the fixed fee schedule established in the Agreement for Professional Engineering

Services for Public Projects. Design of this project would begin following award with construction expected to start in July 2023.

**RECOMMENDED ACTION:** Approval to award engineering design services to AECOM for an Industrial Road Rehabilitation program, in the amount of \$95,281.67.





May 23, 2022

Ms. Rebecca Runkel  
City of Novi  
Field Services Complex  
26300 Lee Begole Drive  
Novi, MI 48375

**Reference: Proposal for Engineering Services  
Industrial Roads Resurfacing**

Dear Ms. Runkel,

AECOM is pleased to submit this proposal for the above referenced project.

The work for the Industrial Roads Resurfacing will include profile milling and joint repair for Humboldt Drive and the concrete portion of Magellan Drive. An alternate bid will also be developed for Desoto Ct, Pearry Ct, Ryan Ct, and Hudson Dr from West Rd to south of driveway to 29930 Hudson. The anticipated work will be 2.5 inches of profile concrete milling. Once milled, detail 7 joint repairs and structure adjustments will be performed. The roads will then be resurfaced with 2 inches of Gap-Graded Super Pave asphalt and a 0.5 inch scratch course of asphalt with a geosynthetic paving fabric. Also included in this project will be spot curb repair and repair of deteriorated driveways within the project limits.

The following tasks will be completed for the project:

**Initial Meeting and Scope Verification**

The intent of this task is to meet with the City and verify the limits and scope of work for the project. Upon completion of this task, we will move forward with the surveying and preliminary design.

**Survey and Base Plans**

The intent of this task is to provide topographic survey and base mapping as needed for the proposed design work. We anticipate that a full topographic survey will not be required for this project as there will not be any change in the profile of the road or any work outside of the roadway. However, some survey will be required in order to provide an accurate representation of the footprint of the roads to be rehabilitated and to track other relevant items.

AECOM will prepare base plans (30%-40% complete) to identify the major design features. Base plans will include the results of the survey information and a preliminary estimate. Given the proposed nature of the project, AECOM does not anticipate any utility conflicts

AECOM will distribute the base plan design set to the utility companies that have indicated that they have facilities in the project area. We will incorporate the additional information that utility companies provide to AECOM into the plan set should there be any need.



Ms. Rebecca Runkel  
May, 2022  
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### **Preliminary Plans**

Incorporating the information obtained from the above tasks, we will prepare the preliminary plan set (90%) in accordance with City requirements. This submittal will include items such as the typical cross sections, materials/quantities and details. A Project Manual and preliminary updated cost estimate will also be prepared and submitted.

### **Final Plans and Proposal**

Incorporating comments from the City, AECOM will develop the final plans submittal, including the plan set, Project Manual, and cost estimate.

### **Advertising and Award**

We will respond to any final comments received from the City and submit the Advertisement for Bids to the City for publication. Contract Documents will be made available to bidders by AECOM. AECOM will respond to bidder inquiries during the advertising period and prepare addenda as required. Following the bid opening AECOM will submit the Bid Tabulation and a letter with recommendations regarding contract award

### **Construction**

AECOM will provide full time inspection, contract administration, and staking as required for the project.

### **Estimated Cost of Construction and Design Fees**

Design Fee (Base Bid) =  $\$938,304.77 \times 5.5\% = \mathbf{\$ 51,606.76}$

Design Fee (Alt Bid) =  $\$426,722.43 \times 5.5\%^* = \mathbf{\$23,469.73}$

Design Fee (Alt Bid: Hudson) =  $367,366.84 \times 5.5\%^* = \mathbf{\$20,205.18}$

\*While the separate alternate bids are at different fee schedule thresholds, as they will be designed together, we have used the fee schedule based on the combined estimated cost of the alternate bids.

**Total = \$95,281.67**

We understand that fees for construction phase services will be determined after a construction contract is awarded. Please contact me if you have any questions or wish to discuss this submittal.

Sincerely,

AECOM Great Lakes, Inc.

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Sean Kelsch, PE  
Vice-President