



**CITY OF NOVI CITY COUNCIL**  
**SEPTEMBER 14, 2020**

**SUBJECT:** Approval to award engineering design services to AECOM Great Lakes, Inc. for a Wildlife Woods to ITC Trail connector path, in the amount of \$23,668.64.

**SUBMITTING DEPARTMENT:** Parks, Recreation, and Cultural Services  
Department of Public Works, Engineering Division

<b>EXPENDITURE REQUIRED</b>	<b>\$ 23,668.64</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 175,000.00</b>
<b>APPROPRIATION REQUIRED</b>	<b>\$ 0</b>
<b>LINE ITEM NUMBER</b>	<b>400-691.00-977.004</b>

**BACKGROUND INFORMATION:** The City was awarded a Michigan Department of Transportation (MDOT) Transportation Alternatives Program (TAP) grant for construction of a 10-foot asphalt pathway connecting Wildlife Woods Park to the ITC Trail. The grant amount is for \$113,608.78, which covers 60% of the construction cost. The connection will provide a safe alternative route for pedestrians and bicyclists to access the Wildlife Woods Park, Deerfield Elementary School, and Novi Middle School.

This project was originally budgeted in FY 2024-25; however, due to the TAP grant award, the City is requesting the project be moved into this fiscal year and have identified savings from the Novi Road Water Tower restoration project to fund the City's portion of the project costs.

AECOM's engineering fees are based on the fixed fee schedule established in the Agreement for Professional Engineering Services for Public Projects. The design fee for this project will be \$23,668.64, 12.5% of the estimated construction cost of \$189,349.11.

Design of this project would begin following award with construction to occur between June and August of 2021.

**RECOMMENDED ACTION:** Approval to award engineering design services to AECOM Great Lakes, Inc. for a Wildlife Woods to ITC Trail connector path, in the amount of \$23,668.64.



# Wildlife Woods to ITC Pathway Location Map

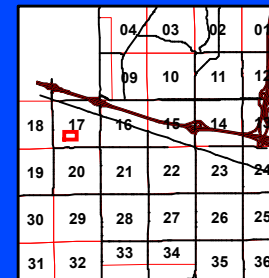


Map Author: Rebecca Runkel  
 Date: 8/31/20  
 Project: Wildlife Woods to ITC Path  
 Version: 1.1

### MAP INTERPRETATION NOTICE

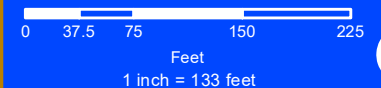
Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate 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.

 Proposed 10' Asphalt Pathway



## City of Novi

Engineering Division  
 Department of Public Works  
 26300 Lee BeGole Drive  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)



50-22-17-400-006

50-22-17-400-002





August 24, 2020

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

**Reference: Proposal for Engineering Services  
Wildlife Woods Path Connection to ITC Trail**

Dear Ms. Runkel,

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

The work on Wildlife Woods Path includes the construction of a 10' wide HMA non-motorized pathway meeting AASHTO and ADA requirements for a shared use path. The path will connect Wildlife Woods Park to the existing ITC trail north of 11 Mile Rd.

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. Base drawings will be created using the aerial photos supplemented by the field survey data and a field review of the site.

AECOM will prepare base plans (30%-40% complete) to identify the major design features. These plans will also be used to further the utility investigation and resolution of potential conflicts and *geotechnical* investigations. Base plans will include the results of the survey information, utility information from response to our solicitations, and a preliminary estimate.

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.



Ms. Rebecca Runkel  
August 24, 2020  
Page 2

### **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.

### **Schedule**

We anticipate that the following schedule can be maintained:

<b>Notice To Proceed with Design</b>	<b>August 31, 2020</b>
<b>Final Plans Submittal</b>	<b>December 1, 2020</b>
<b>Advertise for Bids</b>	<b>March 15, 2021</b>
<b>Open Bids</b>	<b>April 15, 2021</b>
<b>Contract Award</b>	<b>May 1, 2021</b>
<b>Begin Construction</b>	<b>June 15, 2021</b>
<b>End Construction</b>	<b>August 1, 2021</b>

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

The attached estimate show the construction cost for this project:

Wildlife Woods Path Estimate - \$189,349.11

The design fee (using the Engineering Fee Schedule for Non-Motorized) is 12.50%. An extra .5% is included for the grant coordination to act on behalf of the City of Novi.

Design Fee = 12.50% x \$189,349.11 = **\$23,668.64.**

We understand that fees for construction phase services will be determined after a construction contract is awarded.



Ms. Rebecca Runkel  
August 24, 2020  
Page 3

Please contact me if you have any questions or wish to discuss this submittal.

Sincerely,

AECOM Great Lakes, Inc.

A handwritten signature in blue ink that reads "Sean Kelsch".

---

Sean Kelsch, PE  
Vice-President

**City of Novi  
Wildlife Woods  
Pathway Construction  
Preliminary Estimate of Cost  
8/22/2019**

Item No.	Item Description	Unit	Quantity	Unit Price	Total Cost
1	Mobilization (10%)	LS	1	17,213.56	\$ 17,213.56
2	Pre-Construction Audio-Visual	LS	1	\$ 2,500.00	\$ 2,500.00
3	Soil Erosion Control	LS	1	\$ 2,500.00	\$ 2,500.00
4	Tree Removal	LS	1	\$ 15,000.00	\$ 15,000.00
5	Pathway Grading	Sta	16.0	\$ 1,000.00	\$ 16,000.00
6	Sidewalk, Conc, 4 inch	Sft	3,600.0	\$ 9.00	\$ 32,400.00
7	Sidewalk, Conc, 6 inch	Sft	1,200.0	\$ 10.00	\$ 12,000.00
8	Subgrade Undercutting, Type II	Cyd	20.0	\$ 50.00	\$ 1,000.00
9	Aggregate Base, 21AA, 6 inch	Syd	1,600	\$ 15.00	\$ 24,000.00
10	Surface and Subgrade Drainage Improvements	LS	1	\$ 10,000.00	\$ 10,000.00
11	HMA, 36A (2" thick) (Top Course)	Ton	112	\$ 130.00	\$ 14,617.78
12	HMA, 13A (2" thick) (Leveling Course)	Ton	112	\$ 130.00	\$ 14,617.78
13	Maintaining Traffic	LS	1	\$ 2,500.00	\$ 2,500.00
14	Surface Restoration	LS	1	\$ 5,000.00	\$ 5,000.00
15	Landscaping	LS	1	\$ 10,000.00	\$ 10,000.00
16	Miscellaneous Items	LS	1	\$ 10,000.00	\$ 10,000.00
	Construction Cost				\$ 189,349.11
	Right of Way Acquisition	LS	1	\$ -	\$ -
	Design Engineering	12.00%			\$ 22,721.89
	Geotechnical	2%			\$ 3,786.98
	Design Contingency	20%			\$ 4,544.38
					<b>\$ 31,053.25</b>
	Construction Engineering	7.75%			\$ 14,674.56
	Materials Testing	2%			\$ 3,786.98
	Crew Days	\$ 700	20		\$ 14,000.00
	Construction Contingency	10%			\$ 18,934.91
					<b>\$ 51,396.45</b>
	<b>TOTAL COST</b>				<b>\$ 271,798.81</b>

Estimate Assumptions:

800 Ft Concrete Sidewalk - 6 Feet Wide

800 Ft Asphalt Pathway - 10 Feet Wide

Miscellaneous Items include utility adjustments and misc. removals