



**CITY of NOVI CITY COUNCIL**

**Agenda Item 4  
November 26, 2018**

**SUBJECT:** Approval to award civil engineering services to OHM Advisors for design engineering services associated with the 2019 Pathways and ADA Improvements project in the amount of \$112,752.00.

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

**CITY MANAGER APPROVAL:** 

<b>EXPENDITURE REQUIRED</b>	20,640.00 Wixom Road- Segment 43 10,642.00 Beck Road- Segment 39 35,785.00 Meadowbrook Road- Segment 70 12,920.00 Haggerty Road-Segment 120A 5,270.00 Haggerty Road- Segment 120B 10,370.00 Haggerty Road- Segment 120C 3,750.00 11 Mile & Clark- Sidewalk & ADA Upgrades 5,125.00 2019 ADA Upgrades - Grand River Ave. & Suburban Collection 8,250.00 2019 ADA Upgrades - Grand River Ave. & Taft Road <hr/> 112,752.00 TOTAL
<b>AMOUNT BUDGETED</b>	363,387 Wixom Road- Segment 43 102,394 Beck Road- Segment 39 349,636 Meadowbrook Road- Segment 70 166,752 Haggerty Road-Segment 120A 78,766 Haggerty Road- Segment 120B 228,338 Haggerty Road- Segment 120C 45,668 11 Mile & Clark- Sidewalk & ADA Upgrades 134,429 2019 ADA Upgrades- Grand River at Suburban Collection & Taft <hr/> 1,469,370 TOTAL
<b>APPROPRIATION REQUIRED</b>	\$0
<b>LINE ITEM NUMBER</b>	400-204.00-974.472 Wixom Road- Segment 43 204-204.00-974.457 Beck Road- Segment 39 400-204.00-974.469 Meadowbrook Road- Segment 70 400-204.00-974.470 Haggerty Road-Segment 120A 400-204.00-974.471 Haggerty Road- Segment 120B 400-204.00-974.474 Haggerty Road- Segment 120C 204-204.00-974.477 11 Mile & Clark Street- Sidewalk & ADA Upgrades 204-204.00-975.019 2019 ADA Upgrades

**BACKGROUND INFORMATION:**

Every year the City of Novi strives to improve and expand its non-motorized network along major roads. In 2019, the program will include upgrading selected areas to comply with Americans with Disabilities Association (ADA) requirements and several new sidewalk

segment connections. Staff recommends the following segments based on selections from Walkable Novi and the City's Non-Motorized Master Plan:

**Sidewalks and Pathways:**

- Segment 39 – W. Beck Road from 11 Mile Road to Kirkway Place Sub
- Segment 43 – W. Wixom Road from Catholic Central to Island Lake Drive
- Segment 70 – W. Meadowbrook Road from Gateway Village to 11 Mile Road
- Segment 120a – W. Haggerty Road from 8 Mile Road to Orchard Hill Place
- Segment 120b– W. Haggerty Road from Orchard Hill Place to High Pointe Boulevard
- Segment 120c – W. Haggerty Road from High Pointe Boulevard to 9 Mile Road

**ADA Segments:**

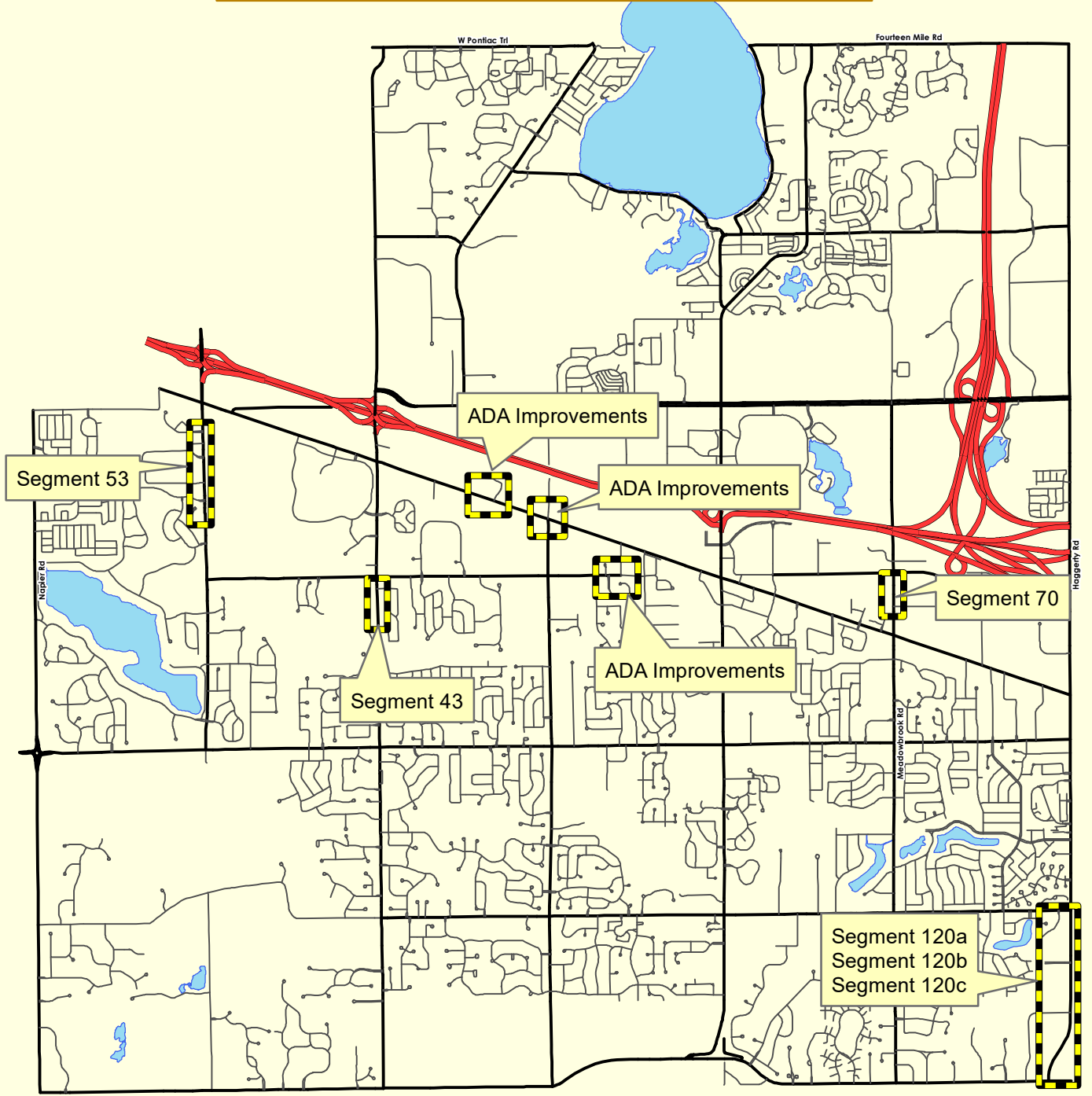
- 11 Mile and Clark Street – ADA improvements accompanied by completing a 230' segment gap on S. Side.
- Grand River Avenue and Suburban Collection - Sidewalk Ramps and Pedestrian Walk Signal Upgrades.
- Grand River Avenue and Taft – Sidewalk Ramp and Pedestrian Walk Signal Upgrades.

The attached *Design Engineering Services* proposal, as executed by City Consulting Engineers, OHM Advisors, outlines the scope of services in more detail. The design fee rate per the proposal varies based on non-motorized construction work. The fee rate is derived from the packaging several projects into divisions. The design cost of the project is a total of \$112,752.00 (based on the total \$1,185,000 construction costs). The Engineering Division has reviewed the scope of services proposal and recommends approval.

**RECOMMENDED ACTION:** Approval to award civil engineering services to OHM Advisors for design engineering services associated with the 2019 Pathways and ADA Improvements project in the amount of \$112,752.00.

# 2018 Pathways and ADA Improvements

## Location Map



Map Author: Joseph Akers  
 Date: November 1, 2018  
 Project: 2018 Pathways and ADA  
 Version #: 1

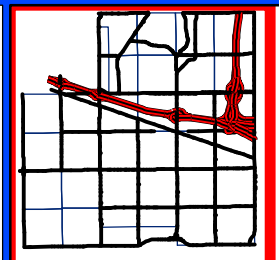
Amended By:  
 Date:  
 Department:

**MAP INTERPRETATION NOTICE**

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Project Area



**City of Novi**

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



1 inch = 4,677 feet





October 18, 2018

Mr. George Melistas  
Engineering Senior Manager  
City of Novi - Department of Public Works  
26300 Lee BeGole Drive  
Novi, MI 48375

**RE: Scope of Design Services  
2018-2019 Sidewalk Gaps (Beck, Wixom, Meadowbrook, Haggerty, 11 mile, and Grand River)**

Dear Mr. Melistas:

Per your request, the following outlines our proposed scope of services and fee to perform a design, cost estimate and prepare bidding documents to construct sidewalk within existing gaps in the City's network. This summary includes our project understanding, proposed scope of work, assumptions, schedule, and fee.

### PROJECT UNDERSTANDING

The City of Novi has identified gaps in the existing non-motorized network along Beck Road between 11 Mile Road and Providence (Segment 39), along Wixom Road between Island Lake Drive and Catholic Central (Segment 43), along Meadowbrook Road from Tera Lane to 11 Mile (Segment 70), along Haggerty Road from 8 Mile to north of Orchard Hill Place (Segments 120A, 120B & 120C), at 11 Mile Road and Clark, at Grand River and Suburban Collection and at Grand River and Taft. The City desires these segments to be constructed in 2019 to eliminate these gaps and provide improved pedestrian accommodations in these areas. The new sidewalk will consist of 6-foot and 8-foot wide concrete as well as ADA upgrades. It is our understanding that the City has the required right-of-way and/or easements in order to construct these sidewalk segments and that no additional ROW or easements will need to be acquired. We also understand that this work will be bid as one project with multiple divisions of work.

### SCOPE OF SERVICES

The following outlines our work plan to accomplish the scope of services for this project related to sidewalk and culvert repairs as noted above:

- Conduct a site visit of the segments to identify design constraints.
- Prepare preliminary opinions of construction costs for the identified sidewalk segments.
- Perform topographic survey of the sidewalk routes and prepare existing conditions plans.
- Attend one meeting with the City to review the existing conditions of the site to finalize sidewalk location.
- Prepare preliminary design plans and specifications with necessary details.
- Attend one meeting with the City to review the plans and specifications and address any requested revisions.
- Assist the City with coordination of utilities found in the area that may have impacts during construction.
- Prepare final design plans, specifications and bidding documents with details.
- If required, assist the City with advertising and soliciting bids, printing and distributing bidding documents to interested bidders, tabulate and review the bids, check contractor references and provide a recommendation of the award of the project construction to a qualified contractor.
- Prepare plans and documents required to obtain SESC Permit from the City.

#### OHM Advisors<sup>®</sup>

1827 NORTH SQUIRREL ROAD  
AUBURN HILLS, MICHIGAN 48326

T 248.751.3100  
F 248.364.3001

OHM-Advisors.com



## ASSUMPTIONS

The following summarizes our assumptions associated with this proposal:

- The City has all ROW/easements required and no additional ROW/easements will need to be acquired.
- No utility pole relocations are necessary as part of the project.
- Geotechnical services are anticipated to be required for design and construction of this project but are not included in our scope of work.
- The Contractor will be responsible for any permit fees. Permit fees are not included in this proposal.
- We do not anticipate remediation or removal of contaminated or hazardous soils or materials.

## SCHEDULE

The following outlines our anticipated schedule milestones of main tasks related to this work:

- 30% plans – December 7, 2018
- 100% plans – February 22, 2019
- Prepare Bid Recommendation for Council Award – March 2019
- Begin Construction – May/June 2019

## FEE

The proposed design fee for the above work per the 2017-2022 Engineering Fee Table is one hundred twelve thousand seven hundred fifty-two dollars (\$112,752.00).

The fee breakdown is as follows:

Road	Segment	Construction Cost*	Est. Design Fees
<i>Division A</i>			
Wixom Road	43	\$ 192,000.00	10.75% \$ 20,640.00
Beck Road	39	\$ 99,000.00	10.75% \$ 10,642.00
<i>Sub-total A</i>		\$ 291,000.00	\$ 31,282.00
<i>Division B</i>			
Meadowbrook Road	70	\$ 421,000.00	8.50% \$ 35,785.00
Haggerty Road	120A	\$ 152,000.00	8.50% \$ 12,920.00
Haggerty Road	120B	\$ 62,000.00	8.50% \$ 5,270.00
Haggerty Road	120C	\$ 122,000.00	8.50% \$ 10,370.00
<i>Sub-total B</i>		\$ 757,000.00	\$ 64,345.00
<i>Division C</i>			
11 Mile & Clark	N/A	\$ 30,000.00	12.50% \$ 3,750.00
Grand River & Suburban Collection	N/A	\$ 41,000.00	12.50% \$ 5,125.00
Grand River & Taft	N/A	\$ 66,000.00	12.50% \$ 8,250.00
<i>Sub-total C</i>		\$ 137,000.00	\$ 17,125.00
<b>Total – All Divisions</b>		\$ 1,185,000.00	9.51% \$ 112,752.00

\* Estimated construction amount calculated without contingency applied



Thank you for the opportunity to be of service. If you have any questions or require additional information, please contact us. We look forward to working with you on this project.

Sincerely,  
OHM Advisors

Authorization to Proceed

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Timothy J. Juidici, P.E.  
tim.juidici@ohm-advisors.com  
D: 248.751.3104

---

Signature

Date

---

Printed Name

Title

Encl: Project Cost Estimates

cc: File

**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

<b>Project ID#</b>	<b>CIP Budget Category</b>	<b>City Staff Evaluation as of</b>	<b>Total Project Cost</b>
125-039	Sidewalks & Pathways	October 2018	<b>\$145,155</b>

**Segment 39 -- Beck Road - Sidewalk  
(West side; 11 Mile Road to Providence)**



**Project Description, Justification, & Operating Budget Impact**

Eight foot wide concrete sidewalk along the west side of Beck Road. This sidewalk is to be constructed in conjunction with the 2018 Pathways Projects.

Design Engineering	\$ 10,643
Right-of-Way Acquisition	
Geotechnical Design	
Other	
<b>TOTAL ENGINEERING</b>	<b>\$ 10,643</b>
Contingency	\$ 2,129
<i>Notes:</i>	
20%	
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$ 12,772</b>

Construction	\$ 99,000
Construction Engineering	\$ 7,178
Crew Days	\$ 11,200
Material Testing	\$ 2,970
Other	\$ -
<b>TOTAL CONSTRUCTION</b>	<b>\$ 120,348</b>
Contingency	\$ 12,035
<i>Notes:</i>	
10%	
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$ 132,383</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$145,155	2024-25	\$168,274
2020-21	\$149,510	2025-26	\$173,323
2021-22	\$153,995	2026-27	\$178,522
2022-23	\$158,615	2027-28	\$183,878
2023-24	\$163,373	2028-29	\$189,394

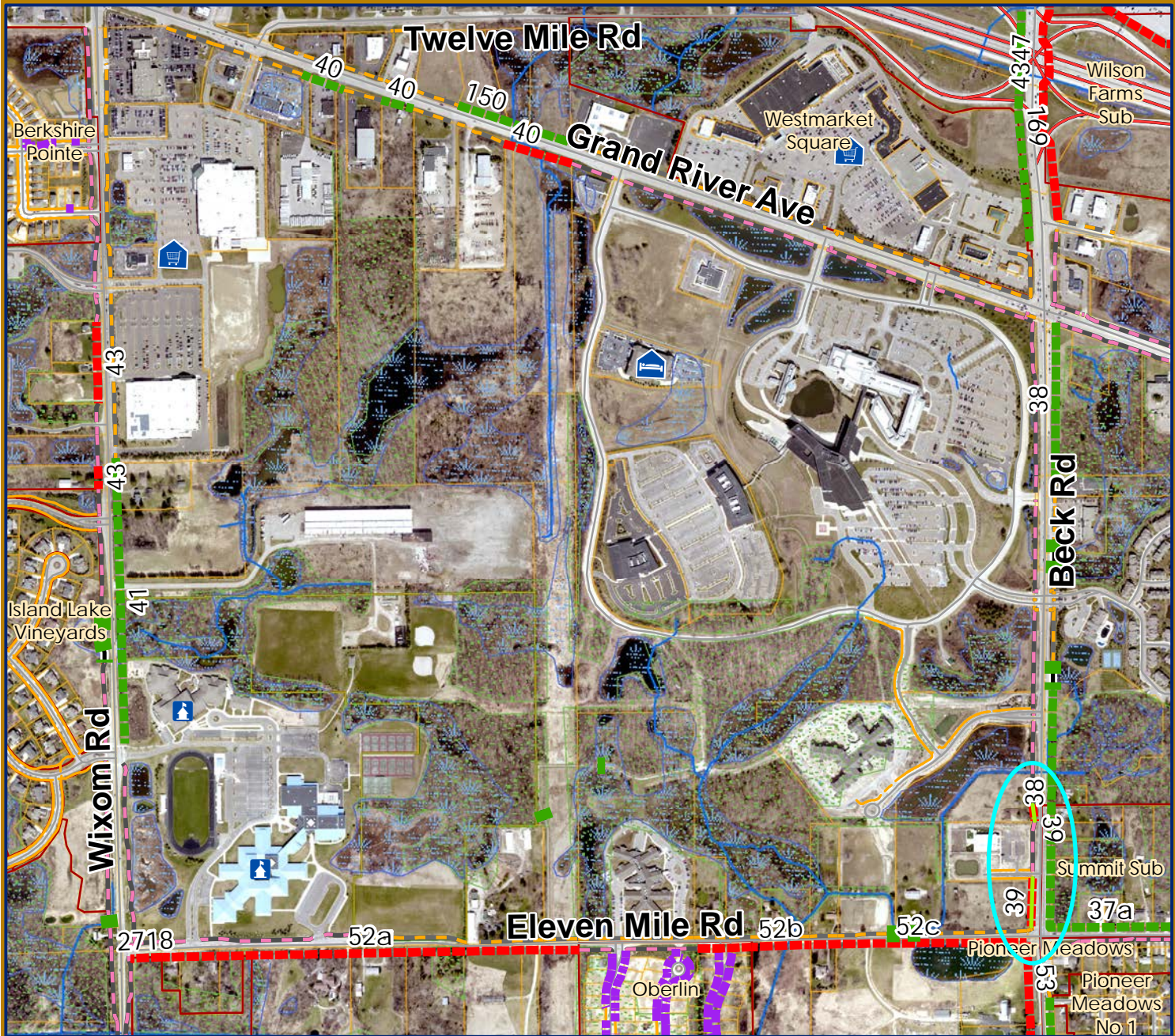
**Engineering Completed in Prior Fiscal Year?**

**Funding Source?**









**Outside Funding?**

# Rank 5: SEGMENT 39 (CIP 2018-19)

Pathway west of Beck between Eleven Mile and Providence: 767 ft.



## LEGEND

- |   |                          |   |                         |
|---|--------------------------|---|-------------------------|
|  | Future_Pathway Major     |  | Civic Center            |
|  | Future_Pathway Multi-Use |  | Library                 |
|  | Future_Sidewalk Local    |  | Places of Worship       |
|  | Future_Sidewalk Major    |  | Places of Worship-Hindu |
|  | Existing_Pathway Major   |  | School                  |
|  | Existing_Pathway Local   |  | Shopping - Major        |
|  | Existing_Sidewalk Major  |  | Shopping Plaza          |
|  | Existing_Sidewalk Local  |  | Hotels                  |
|  | Developments             |   |                         |
|  | Wetlands                 |   |                         |
|  | Woodlands                |   |                         |



## City of Novi

Dept. of Community Development  
 City Hall / Civic Center  
 45175 W Ten Mile Rd  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)

Project: 2017-18 Top 20 Priority Path and Sidewalk Segments  
 Date: April 06, 2018  
 Map Author: Sri Komaragiri  
 Version #: 1.0

0 120 240 480 720 960 Feet 1 inch = 868 feet



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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
125-043	Sidewalks & Pathways	October 2018	<b>\$273,016</b>

**Segment 43 -- Wixom - Sidewalk  
(West side; Island Lake Drive to Catholic Central)**



**Project Description, Justification, & Operating Budget Impact**

Eight foot wide concrete sidewalk along the west side of Wixom Road. To be constructed in conjunction with the 2018 Pathways Project.

Design Engineering	\$ 20,640
Right-of-Way Acquisition	\$ -
Geotechnical Design	\$ -
Other	\$ -
<b>TOTAL ENGINEERING</b>	<b>\$ 20,640</b>
Contingency	\$ 4,128
<i>Notes:</i>	
20%	
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$ 24,768</b>

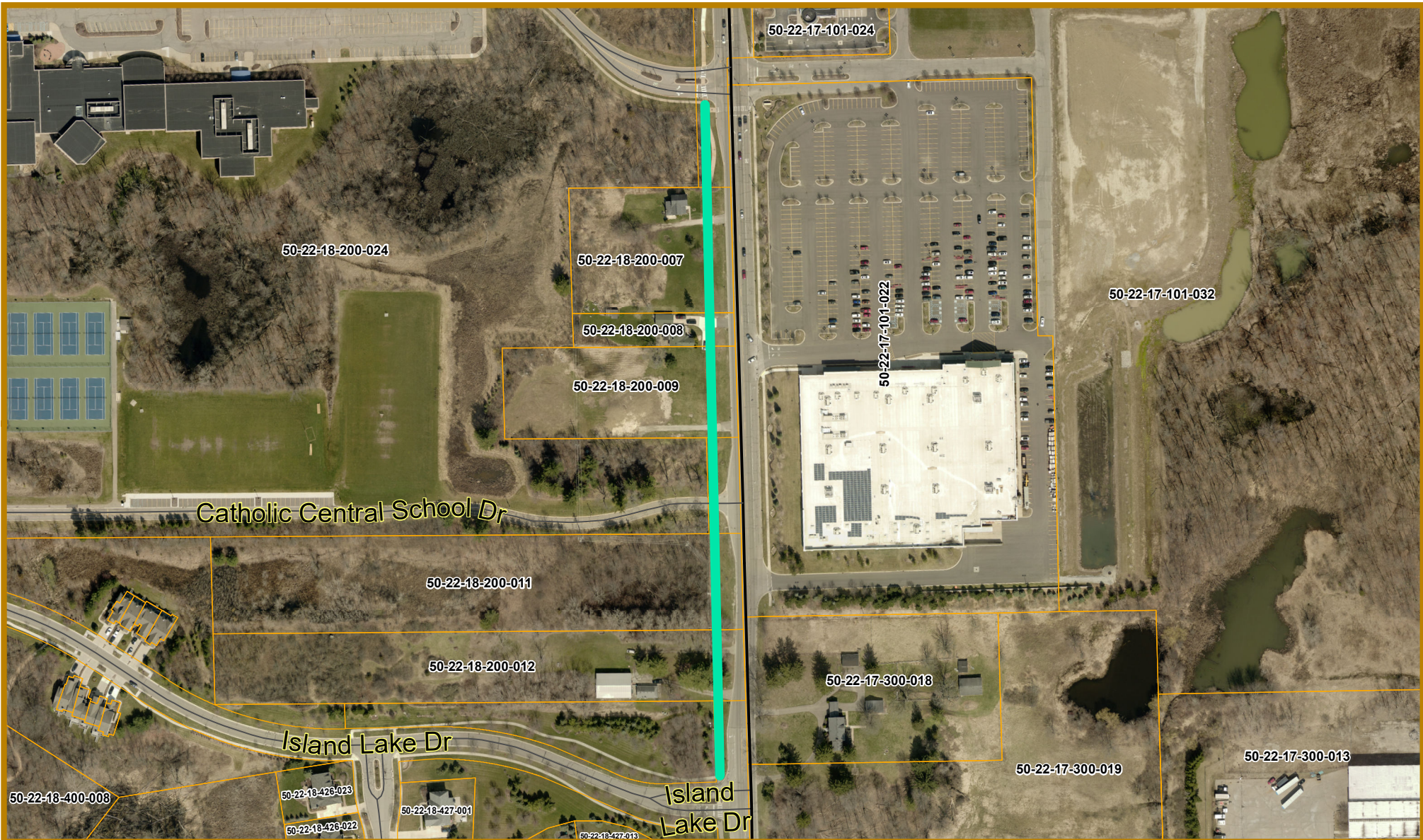
Construction	\$ 192,000
Construction Engineering	\$ 13,920
Crew Days	\$ 14,000
Material Testing	\$ 5,760
Other	\$ -
<b>TOTAL CONSTRUCTION</b>	<b>\$ 225,680</b>
Contingency	\$ 22,568
<i>Notes:</i>	
10%	
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$ 248,248</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$273,016	2024-25	\$316,500
2020-21	\$281,206	2025-26	\$325,995
2021-22	\$289,643	2026-27	\$335,775
2022-23	\$298,332	2027-28	\$345,849
2023-24	\$307,282	2028-29	\$356,224

**Engineering Completed in Prior Fiscal Year?**

**Funding Source?**

**Outside Funding?**

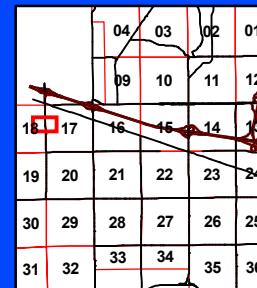


Map Author: Rebecca Runkel  
 Date: 11/20/18  
 Project: 2019 Pathways and ADA  
 Version #: 1

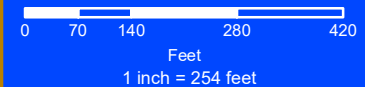
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# Sidewalk Segment 43



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



**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
135-70	Sidewalks & Pathways	October 2018	<b>\$589,384</b>

**Segment 70 -- Meadowbrook - Sidewalk  
(West side; Gateway Village to 11 Mile Road)**



**Project Description, Justification, & Operating Budget Impact**

Eight foot wide concrete sidewalk along the west side of Meadowbrook Road with ditching and a retaining wall structure. This sidewalk is to be constructed in conjunction with the repairs to Bishop creek, west of Meadowbrook Road.

Design Engineering	\$	35,785
Right-of-Way Acquisition	\$	5,000
Geotechnical Design	\$	8,420
Other	\$	7,500
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>56,705</b>
Contingency	\$	11,341
<i>Notes:</i>		
20%		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>68,046</b>

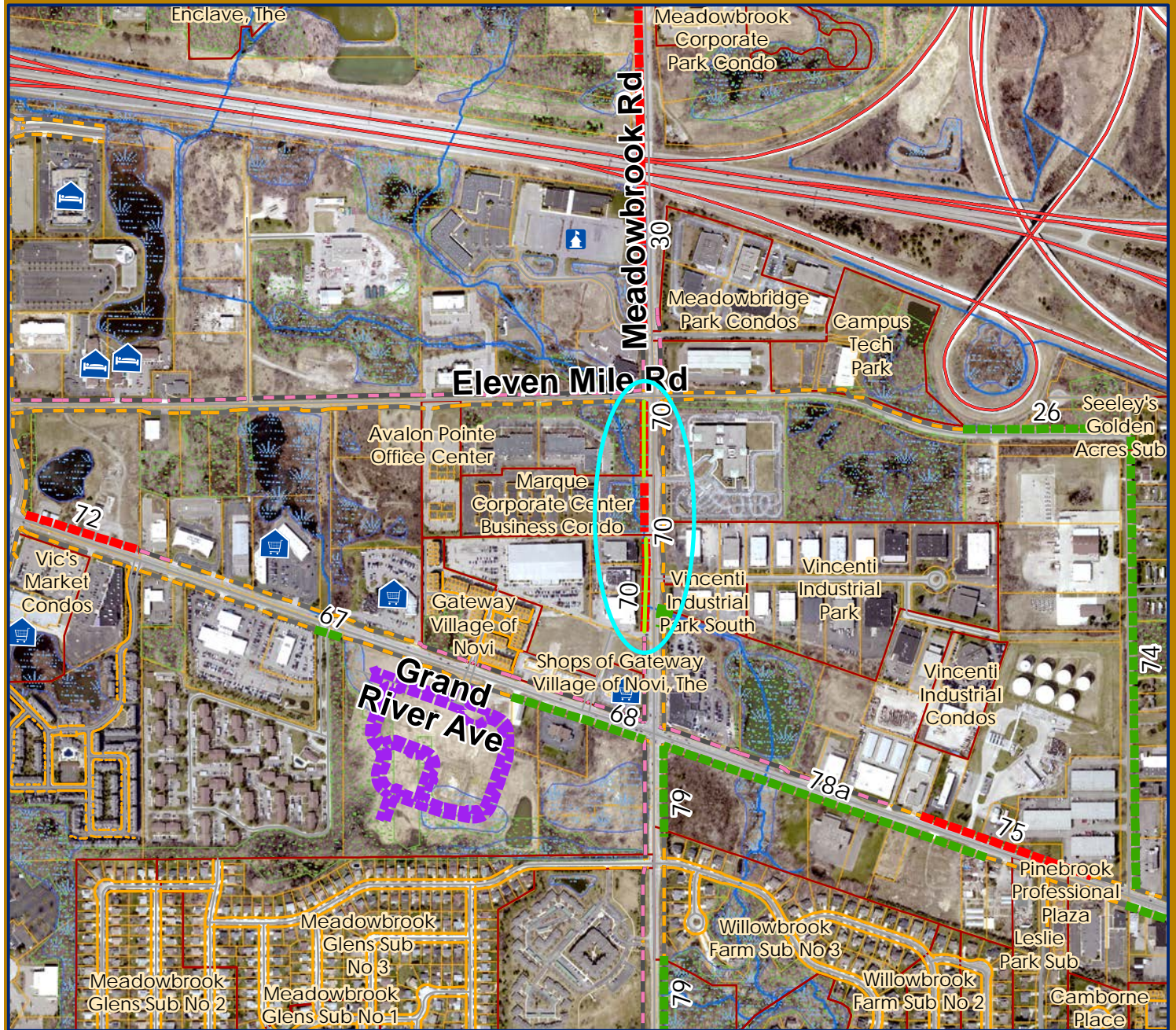
Construction	\$	421,000
Construction Engineering	\$	26,313
Crew Days	\$	14,000
Material Testing	\$	12,630
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>473,943</b>
Contingency	\$	47,395
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>521,338</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$589,384	2024-25	\$683,258
2020-21	\$607,066	2025-26	\$703,755
2021-22	\$625,277	2026-27	\$724,868
2022-23	\$644,036	2027-28	\$746,614
2023-24	\$663,357	2028-29	\$769,012

**Engineering Completed in Prior Fiscal Year?**

**Funding Source?**

**Outside Funding?**



**LEGEND**

- |   |                          |   |                         |
|---|--------------------------|---|-------------------------|
|  | Future_Pathway Major     |  | Civic Center            |
|  | Future_Pathway Multi-Use |  | Library                 |
|  | Future_Sidewalk Local    |  | Places of Worship       |
|  | Future_Sidewalk Major    |  | Places of Worship-Hindu |
|  | Existing_Pathway Major   |  | School                  |
|  | Existing_Pathway Local   |  | Shopping - Major        |
|  | Existing_Sidewalk Major  |  | Shopping Plaza          |
|  | Existing_Sidewalk Local  |  | Hotels                  |
|  | Developments             |   |                         |
|  | Wetlands                 |   |                         |
|  | Woodlands                |   |                         |



**City of Novi**

Dept. of Community Development  
 City Hall / Civic Center  
 45175 W Ten Mile Rd  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)

Project: 2017-18 Top 20 Priority Path and Sidewalk Segments  
 Date: April 06, 2018  
 Map Author: Sri Komaragiri  
 Version #:1.0

0 120 240 480 720 960 Feet 1 inch = 868 feet



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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
155-120A	Sidewalks & Pathways	October 2018	<b>\$232,472</b>

**Segment 120A -- Haggerty Road - Sidewalk  
(West side; 8 mile Road to Orchard Hill Place)**



**Project Description, Justification, & Operating Budget Impact**

Six foot wide concrete sidewalk along the west side of Haggerty Road with ditching and a retaining wall structure. This sidewalk is to be constructed in conjunction with the 2018 Pathways Project.

Design Engineering	\$	12,920
Right-of-Way Acquisition	\$	3,040
Geotechnical Design	\$	8,420
Other	\$	7,500
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>31,880</b>
Contingency	\$	6,376
<i>Notes:</i>		
20%		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>38,256</b>

Construction	\$	152,000
Construction Engineering	\$	9,500
Crew Days	\$	10,500
Material Testing	\$	4,560
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>176,560</b>
Contingency	\$	17,656
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>194,216</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$232,472	2024-25	\$269,499
2020-21	\$239,446	2025-26	\$277,584
2021-22	\$246,630	2026-27	\$285,911
2022-23	\$254,028	2027-28	\$294,489
2023-24	\$261,649	2028-29	\$303,323

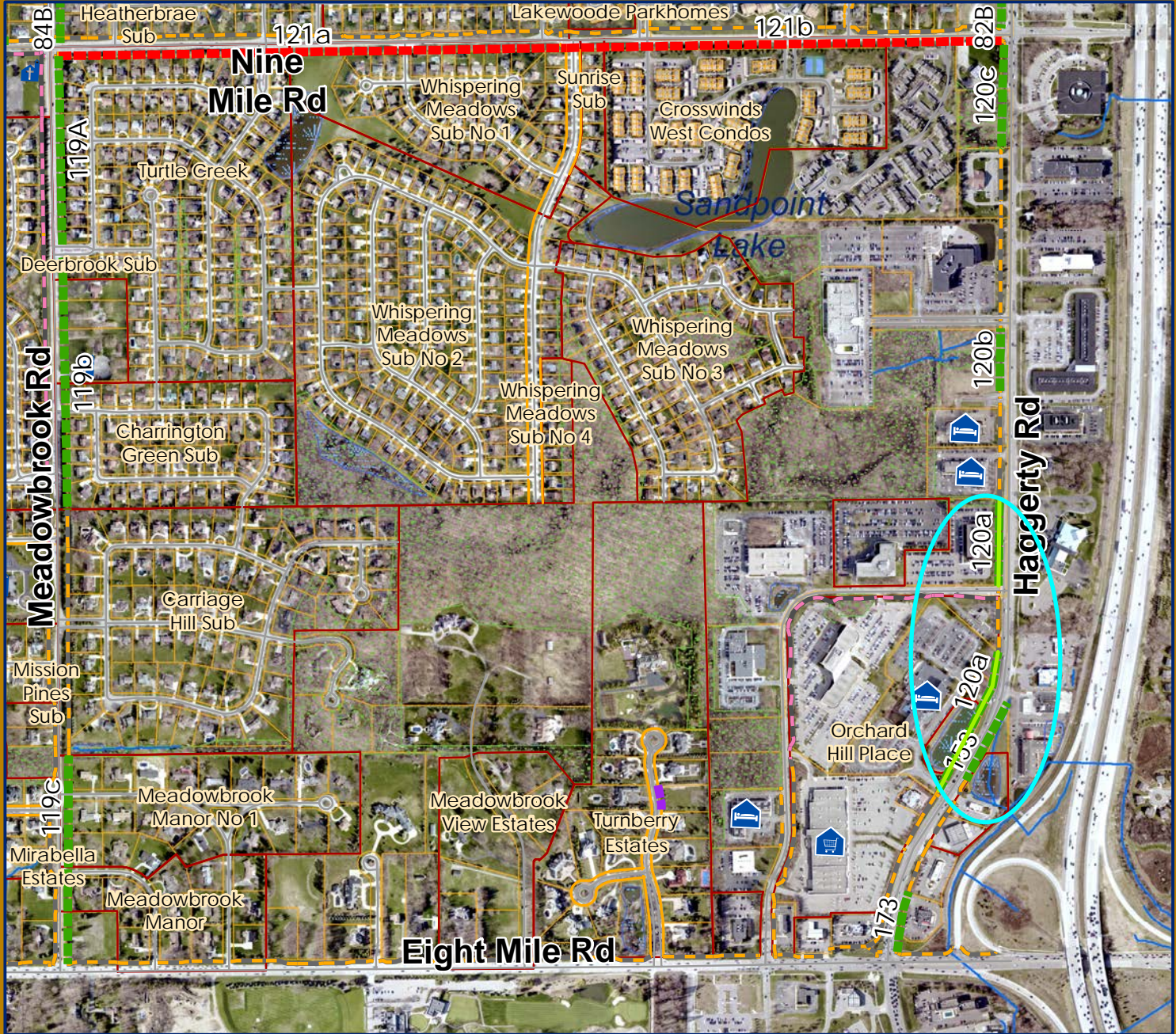
**Engineering Completed in Prior Fiscal Year?**

**Funding Source?**

**Outside Funding?**

# Rank 3 : SEGMENT 120A (CIP 2018-19)

Sidewalk west of Haggerty between Eight Mile and N of Orchard Hill: 1,390 ft.



## LEGEND

- |   |                          |   |                         |
|---|--------------------------|---|-------------------------|
|  | Future_Pathway Major     |  | Civic Center            |
|  | Future_Pathway Multi-Use |  | Library                 |
|  | Future_Sidewalk Local    |  | Places of Worship       |
|  | Future_Sidewalk Major    |  | Places of Worship-Hindu |
|  | Existing_Pathway Major   |  | School                  |
|  | Existing_Pathway Local   |  | Shopping - Major        |
|  | Existing_Sidewalk Major  |  | Shopping Plaza          |
|  | Existing_Sidewalk Local  |  | Hotels                  |
|  | Developments             |   |                         |
|  | Wetlands                 |   |                         |
|  | Woodlands                |   |                         |



## City of Novi

Dept. of Community Development  
 City Hall / Civic Center  
 45175 W Ten Mile Rd  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)

Project: 2017-18 Top 20 Priority Path and Sidewalk Segments  
 Date: April 06, 2018  
 Map Author: Sri Komaragiri  
 Version #: 1.0

0 120 240 480 720 960 Feet 1 inch = 868 feet



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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
155-120B	Sidewalks & Pathways	October 2018	<b>\$90,371</b>

**Segment 120B -- Haggerty Road - Sidewalk  
(West side; Orchard Hill Place to High Pointe Boulevard)**



**Project Description, Justification, & Operating Budget Impact**

Six foot wide concrete sidewalk along the west side of Haggerty Road. This sidewalk is to be constructed in conjunction with the 2018 Pathways Project.

Design Engineering	\$	5,270
Right-of-Way Acquisition	\$	1,000
Geotechnical Design	\$	1,240
Other	\$	2,500
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>10,010</b>
Contingency	\$	2,002
<i>Notes:</i>		
20%; Other is permitting		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>12,012</b>

Construction	\$	62,000
Construction Engineering	\$	3,875
Crew Days	\$	3,500
Material Testing	\$	1,860
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>71,235</b>
Contingency	\$	7,124
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>78,359</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$90,371	2024-25	\$104,765
2020-21	\$93,082	2025-26	\$107,908
2021-22	\$95,875	2026-27	\$111,145
2022-23	\$98,751	2027-28	\$114,479
2023-24	\$101,713	2028-29	\$117,914

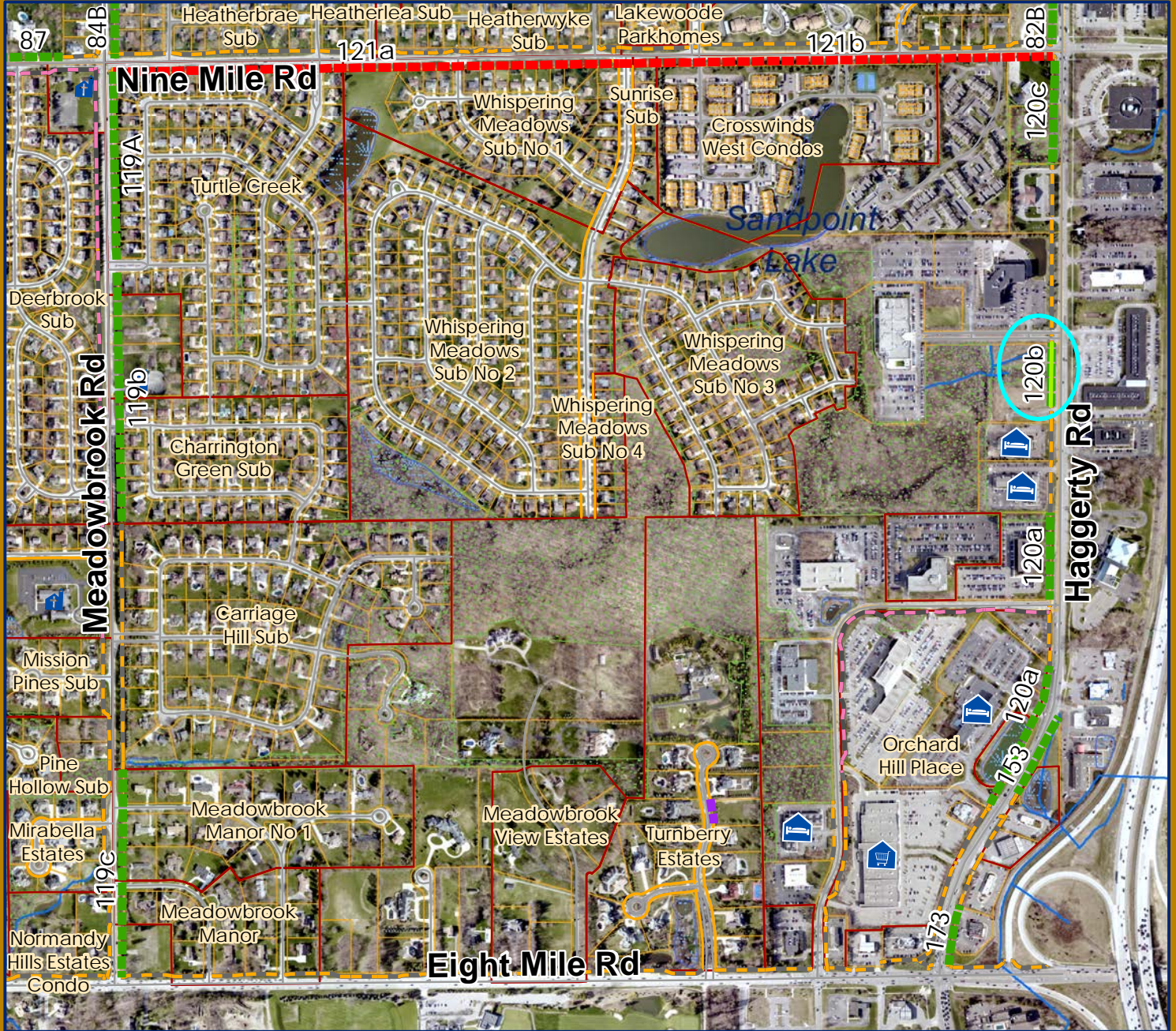
**Engineering Completed in Prior Fiscal Year?**

**Funding Source?**






**Outside Funding?**

# Rank 17: SEGMENT 120B (CIP 2018-19)

Sidewalk west of Haggerty between Orchard Hill and High Pointe: 375 ft.



## LEGEND

- |   |                          |   |                         |
|---|--------------------------|---|-------------------------|
|  | Future_Pathway Major     |  | Civic Center            |
|  | Future_Pathway Multi-Use |  | Library                 |
|  | Future_Sidewalk Local    |  | Places of Worship       |
|  | Future_Sidewalk Major    |  | Places of Worship-Hindu |
|  | Existing_Pathway Major   |  | School                  |
|  | Existing_Pathway Local   |  | Shopping - Major        |
|  | Existing_Sidewalk Major  |  | Shopping Plaza          |
|  | Existing_Sidewalk Local  |  | Hotels                  |
|  | Developments             |   |                         |
|  | Wetlands                 |   |                         |
|  | Woodlands                |   |                         |



## City of Novi

Dept. of Community Development  
 City Hall / Civic Center  
 45175 W Ten Mile Rd  
 Novi, MI 48375  
[cityofnovi.org](http://cityofnovi.org)

Project: 2017-18 Top 20 Priority Path and Sidewalk Segments  
 Date: April 06, 2018  
 Map Author: Sri Komaragiri  
 Version #: 1.0

0 120 240 480 720 960 Feet 1 inch = 868 feet



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.



**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
155-120C	Sidewalks & Pathways	October 2018	<b>\$102,191</b>

**Segment 120C -- Haggerty Road - Sidewalk  
(West side; High Pointe Boulevard to 9 Mile Road)**



**Project Description, Justification, & Operating Budget Impact**

Six foot wide concrete sidewalk along the west side of Haggerty Road. This sidewalk is to be constructed in conjunction with the 2018 Pathways Project.

Design Engineering	\$	6,061
Right-of-Way Acquisition	\$	1,000
Geotechnical Design	\$	1,240
Other	\$	2,500
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>10,801</b>
Contingency	\$	2,161
<i>Notes:</i>		
20%		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>12,962</b>

Construction	\$	71,300
Construction Engineering	\$	4,457
Crew Days	\$	3,500
Material Testing	\$	1,860
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>81,117</b>
Contingency	\$	8,112
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>89,229</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$102,191	2024-25	\$118,467
2020-21	\$105,257	2025-26	\$122,021
2021-22	\$108,414	2026-27	\$125,682
2022-23	\$111,667	2027-28	\$129,453
2023-24	\$115,017	2028-29	\$133,336

**Engineering Completed in Prior Fiscal Year?**





**Funding Source?**

**Outside Funding?**

Rank 20: SEGMENT 120C (CIP 2018-19)  
 Sidewalk west of Haggerty between High Pointe and Nine Mile: 600 ft.



LEGEND

- |  |   |
|--|---|
|  Future_Pathway Major     |  Civic Center            |
|  Future_Pathway Multi-Use |  Library                 |
|  Future_Sidewalk Local    |  Places of Worship       |
|  Future_Sidewalk Major    |  Places of Worship-Hindu |
|  Existing_Pathway Major   |  School                  |
|  Existing_Pathway Local   |  Shopping - Major        |
|  Existing_Sidewalk Major  |  Shopping Plaza          |
|  Existing_Sidewalk Local  |  Hotels                  |
|  Developments             |   |
|  Wetlands                 |   |
|  Woodlands                |   |



City of Novi

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Project: 2017-18 Top 20 Priority Path and Sidewalk Segments  
 Date: April 06, 2018  
 Map Author: Sri Komaragiri  
 Version #: 1.0

0 115 230 460 690 920 Feet 1 inch = 833 feet



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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
NEW	Sidewalks & Pathways	October 2018	<b>\$45,668</b>

**Sidewalk and ADA Upgrades  
(11 Mile Road at Clark Street)**



**Project Description, Justification, & Operating Budget Impact**

Americans with Disabilities Association upgrades along 11 Mile Road at Clark Street. This project also includes completing a sidewalk segment along 11 Mile Road, east of Clark Street.

Design Engineering	\$	3,750
Right-of-Way Acquisition	\$	-
Geotechnical Design		
Other		
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>3,750</b>
Contingency	\$	750
<i>Notes:</i>		
20%		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>4,500</b>

Construction	\$	30,000
Construction Engineering	\$	2,325
Crew Days	\$	4,200
Material Testing	\$	900
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>37,425</b>
Contingency	\$	3,743
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>41,168</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$45,668	2024-25	\$52,942
2020-21	\$47,038	2025-26	\$54,530
2021-22	\$48,449	2026-27	\$56,166
2022-23	\$49,903	2027-28	\$57,851
2023-24	\$51,400	2028-29	\$59,586

**Engineering Completed in Prior Fiscal Year?**

No

**Funding Source?**

204 - Municipal Street Fund

**Outside Funding?**

No

# 11 MILE ROAD AND CLARK SIDEWALK GAP INFILL

 KEY FLAG/SIDEWALK

 RAMP



**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
NEW	Sidewalks & Pathways	October 2018	<b>\$67,783</b>

**Sidewalk and ADA Upgrades  
(Grand River Avenue at Suburban Collection)**



**Project Description, Justification, & Operating Budget Impact**

Americans with Disabilities Association upgrades along Grand River Avenue at Suburban Collection. A pedestrian pushbutton signal will be installed at Grand River Avenue and Suburban Collection to allow for pedestrian access across Grand River.

Design Engineering	\$	5,125
Right-of-Way Acquisition	\$	-
Geotechnical Design	\$	820
Other	\$	2,500
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>8,445</b>
Contingency	\$	1,689
<i>Notes:</i>		
20%; Other is permitting fees		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>10,134</b>

Construction	\$	41,000
Construction Engineering	\$	3,178
Crew Days	\$	7,000
Material Testing	\$	1,230
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>52,408</b>
Contingency	\$	5,241
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>57,649</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$67,783	2024-25	\$78,579
2020-21	\$69,816	2025-26	\$80,936
2021-22	\$71,911	2026-27	\$83,365
2022-23	\$74,068	2027-28	\$85,865
2023-24	\$76,290	2028-29	\$88,441

**Engineering Completed in Prior Fiscal Year?**

**Funding Source?**

**Outside Funding?**

# GRAND RIVER AND SUBURBAN SHOWPLACE ADA UPGRADES

 KEY FLAG

 RAMP

 CROSSWALK



**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS**

Project ID#	CIP Budget Category	City Staff Evaluation as of	Total Project Cost
NEW	Sidewalks & Pathways	October 2018	<b>\$102,589</b>

**Sidewalk and ADA Upgrades  
(Grand River Avenue at Taft Road)**



**Project Description, Justification, & Operating Budget Impact**

Americans with Disabilities Association upgrades along Grand River Avenue at Taft Road. The upgrades will take place at all four quadrants of the intersection. Pedestrian pushbuttons will be installed to allow for access across Grand River.

Design Engineering	\$	8,250
Right-of-Way Acquisition	\$	-
Geotechnical Design	\$	1,320
Other	\$	2,500
<b>TOTAL ENGINEERING</b>	<b>\$</b>	<b>12,070</b>
Contingency	\$	2,414
<i>Notes:</i>		
20%; Other is permitting fees		
<b>TOTAL ENGINEERING (including contingency)</b>	<b>\$</b>	<b>14,484</b>

Construction	\$	66,000
Construction Engineering	\$	5,115
Crew Days	\$	7,000
Material Testing	\$	1,980
Other	\$	-
<b>TOTAL CONSTRUCTION</b>	<b>\$</b>	<b>80,095</b>
Contingency	\$	8,010
<i>Notes:</i>		
10%		
<b>TOTAL CONSTRUCTION (including contingency)</b>	<b>\$</b>	<b>88,105</b>

<b>BUDGET DETERMINATION BASED ON YEAR AWARDED</b>			
Budget Determination excludes <b>TOTAL ENGINEERING (including contingency)</b> if completed in prior fiscal year			
2019-20	\$102,589	2024-25	\$118,929
2020-21	\$105,667	2025-26	\$122,497
2021-22	\$108,837	2026-27	\$126,172
2022-23	\$112,102	2027-28	\$129,957
2023-24	\$115,465	2028-29	\$133,855

**Engineering Completed in Prior Fiscal Year?**

No

**Funding Source?**

204 - Municipal Street Fund

**Outside Funding?**

No

# GRAND RIVER AND TAFT ADA UPGRADES

-  KEY FLAG
-  RAMP
-  CROSSWALK

