



**WALKABLE NOVI COMMITTEE
AGENDA
April 19, 2018 at 6:00 p.m.
Novi Civic Center
Mayors Conference Room
45175 W. Ten Mile, Novi, MI 48375
(248) 347-0475**

Members: Tony Anthony, John Avdoulos, Dave Staudt, Andrew Mutch, Paulina Muzzin, and Shelley Thomopoulos

Staff Support: Sri Komaragiri, Planner, Community Development
Barbara McBeth, City Planner, Community Development
Jeff Muck, Director of Parks, Recreation and Cultural Services
Jeff Herczeg, Director of Public Services
George Melistas, Engineering Senior Manager & Traffic Engineer

INTRODUCTION OF NEW MEMBERS

ROLL CALL

APPROVAL OF AGENDA

AUDIENCE PARTICIPATION

MATTERS FOR DISCUSSION

1. Election of Chair and Vice Chair for the Committee
2. Final Approval of City of Novi Annual Non-Motorized Prioritization 2017-18 Update
3. Walkable Novi Meeting Schedule for 2018

STAFF UPDATES

1. Planning Update
 - a. City Council Goal Setting Session: Budget for Non-motorized infrastructure
 - b. SEMCOG region-wide bicycle and pedestrian count pilot program
 - c. Pedestrian and Bicycle Accidents: June 2017 to current
2. Parks, Recreation and Cultural Services Update
 - a. ITC Trail Update
3. Engineering Update
 - a. Active Non-Motorized Project Portfolio for Engineering Division

COMMUNICATIONS

ADJOURN

Future Meetings: To be determined

**FINAL APPROVAL OF CITY OF NOVI ANNUAL NON-MOTORIZED PRIORITIZATION
2017-18 UPDATE**



City of Novi Annual Non-Motorized Prioritization 2017-18 Update



**A Working Document for
Capital Improvement Plan (CIP) Planning**

April 19, 2018

ACKNOWLEDGEMENTS

Walkable Novi Committee

Council Members

Andrew Mutch
David Staudt
Wayne Wrobel, Chair (Past)
Brian Burke (Past)

Planning Commission Environmental Committee Members

Tony Anthony
John Avdoulos
Ted Zuchlewski (Past)

Parks, Recreation & Cultural Services Commission Members

Doug Bauss (Past)
Shelley Thomopoulos

For More Information Contact Support Staff

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The City of Novi has had a long standing interest in providing an interconnected and comprehensive system of pathways, sidewalks and trails to connect neighborhoods with destinations throughout the City and region. To help ensure that non-motorized improvements are implemented in a logical and beneficial manner, the City of Novi Pathway and Sidewalk Prioritization Analysis and Process (PSPAP) was approved by City Council on November 13, 2006. As such, as part of the 2013-2014 update the process has been renamed the Annual Non-Motorized Prioritization: 2014-2015 Update to better reflect the content and recommendations of the document. As part of 2015-16 update, changes to Tier 1 and 2 Categories have been made and segments ½ mile to 1 mile long are further broken down to smaller lengths.

Potential sidewalk and pathway segments that need to be constructed were identified and placed into the "Pathway and Sidewalk Prioritization Worksheet." All segments were reviewed against the criteria assigned to each Tier 1 category. Tier 1 criterion measures the potential service benefits to the citizens of Novi. The Top 20 segments receiving the most points were identified for further review. The 20 segments receiving the most Tier 1 points were next reviewed against the Tier 2 criteria. Tier 2 criterion evaluates financial considerations of completing each segment.

Since pathway, sidewalk, destination, accident and traffic volume data continues to change, the annual process includes the update of the segment data annually to ensure that the pathway and sidewalk segment ranking continues to highlight the segments that will provide a high level of serviceability and cost effectiveness to the residents of Novi. In addition to ranking pathway and sidewalk segments, the process also includes recommendations for the installation of regional/recreational trails, proposed street crossings, and neighborhood connector routes.

The Annual Non-Motorized Prioritization is updated each fall. Data is collected through the year and is current through September 1, 2017, with the exception of completed segments, as any segment under construction at that time was determined to be complete or budgeted for planning purposes. As with previous updates, completed segments were identified, new segments were added and segment ranking was recalculated. Each year, the Community Development Department's Planning and Engineering Staff updates the prioritization analysis and process worksheets and maps for review and approval by the Walkable Novi Committee.

On September 21, 2017, the Walkable Novi Committee members present reviewed and approved the Annual Non-Motorized Prioritization: 2017-2018 Update and recommended forwarding it to the City's Capital Improvement Committee. The committee will then use this document to help identify future segments and non-motorized improvements to be constructed as additional funding becomes available.

Chapter 2: COMPLETED NON- MOTORIZED IMPROVEMENTS

This chapter identifies the segments that are completed as of September 01, 2017 or under construction or budgeted for construction for year 2017-18. Since October 2006, about 18.4 miles of public pathways and sidewalks were constructed by the City of Novi and the State of Michigan and private developers completed about 15.8 miles of public pathways and sidewalks in the City.

In the 2016-17 year, the City of Novi installed over 3,259 feet of regional/recreational trails. The amount of developer installed pathways and sidewalks resulted in over 6,480 feet of additional pathways and sidewalks. The City constructed all the segments budgeted for construction last year as planned. They are included as completed segments with this update.

About 14,371 feet of pathways, sidewalks and trails are proposed to be constructed in year 2018. Segments that have been assigned budget for design and construction are identified with this years update. Those are removed from the Prioritization spreadsheet to allow opportunity for other segments. However, these segments are not counted towards completed segments as shown in the graph below.

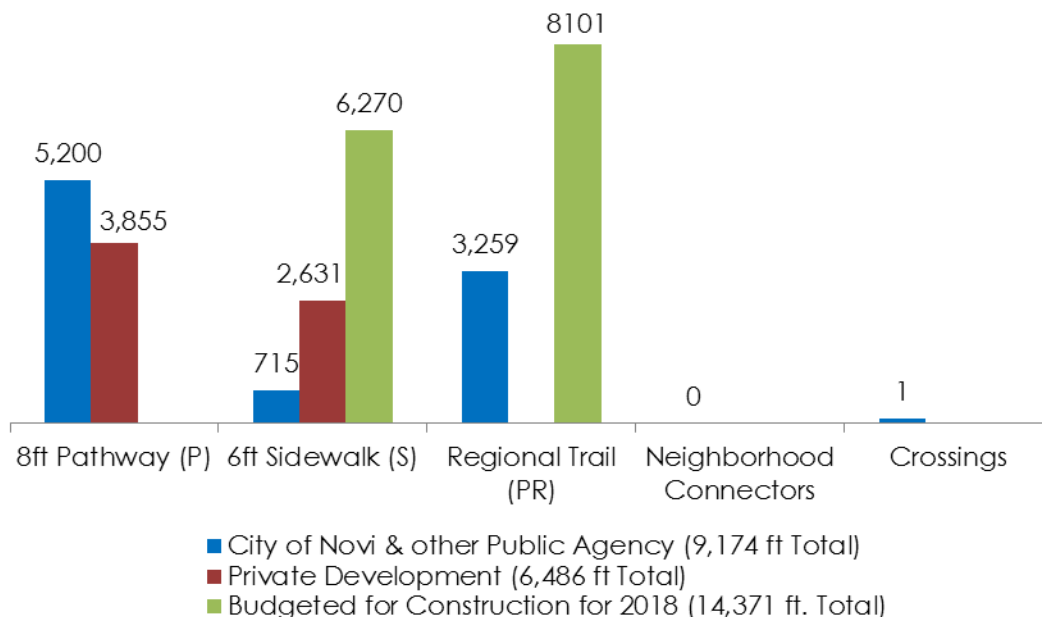


Figure 2.1: 2016-2017 Completed Non-Motorized Improvements

TABLE 2.1: 2016-2017 Completed Non-Motorized Improvements (or under construction at time of report)

Constructed in 2017 (scheduled for construction with last year's update)					Scheduled for construction for year 2018 or under construction currently		
Segment Item #	Section #	Type	Side of Street/ Other	Location	From	To	Segment Length (ft.)
Sidewalks built or under construction by the City							
5037	21, 22	Mid block crossing			Along Taft Road between south of Jacob/Taft Knolls		
4064	31	PR	ITC Sports Center Park		ITC to Eight Mile		3259
5	3	S	South	Fourteen Mile	Beach Walk	East Lake Drive	535
105 Part	31	P	North	Eight Mile	Garfield	Napier	5,200
10	4	S	east	Beck	K&S Plaza		180
2016-17 City of Novi Total							9,174

Sidewalks built or under construction by Private Developers

Part 90	26	P	south	Ten Mile	Maly Dental (east of Novi)		181
Part 67	23	P	south	Grand River	Huntley Manor (west of Meadowbrook)		1033
Part 31	15	S	south	Twelve Mile	Hino Motors (west of Taft Road)		488
Part 170	4	S	north	West	American Interiors (east of Hudson Drive)		170
Part 150	17	S	north	Grand River	Godard (west of Beck Road)		263
97C	29	P	West	Beck	Valencia South		385
122D?	16	P	East	Beck	Citygate Marketplace		143
39	17	P	west	Beck	Everbrook Learning Care		333
110A Part	32	P	west	Beck	Dunhill		930
93A	27	S	north	Nine Mile	Montebello		1380
20	12	S	west	Haggerty	Autoneum		330
30part	14	P	west	Meadowbrook	ATI Headquarters		850
2016-17 Development Total							6,486

TABLE 2.2: Segments budgeted for construction for year 2018

(Not included in the graph or statistics for this update)

9a	4	S	South	Pontiac Trail	Wedgewood	West Park	2,560
9B	4	S	South	Pontiac Trail	Beck Road	Wedgewood	2,440
93A	27	S	north	Nine Mile	Novi Rd.	Plaissance	1270
4004	20, 29	PR	ITC Corridor Trail Phase 1B		Nine Mile	Eleven Mile	8101
5038	4	Mid block crossing			Pontiac Trail & Geisler Middle School		
Segments budgeted for construction for year 2018 Total							14,371



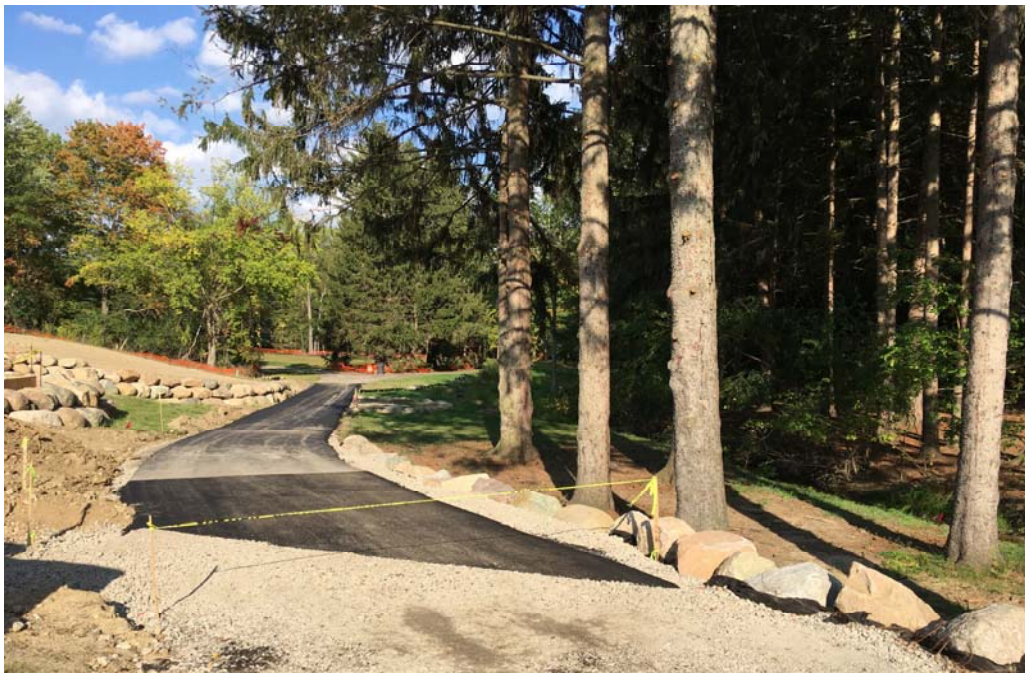
Segment 122D: East side of Beck Road, north of Grand River Avenue (Citygate Market Place)



End of segment; possible extension in future



Public sidewalks along newly built road (Everbrook Lane) located west side of Beck Road north of Eleven Mile Road; possible future expansion



Segment 93A: Asphalt pathway north side of Nine Mile Road, west of Novi (Montebello Estates). Pathway is realigned farther from public sidewalk to protect woodlands

TABLE 2.3: Previous Years Completed Non-Motorized Improvements (CITY BUILT)

Segment Item #	Section #	Type	Side of Street/ Other	Location	From	To	Segment Length (ft.)
¹ Segments completed by the City of Novi only, not including developer completed segments							
Legend S= 6 ft. sidewalk P= 8 ft. pathway C=crossing RT=regional/recreational trail							
2015-16 Completed Non-Motorized Improvements							
129	1	S	South	Fourteen Mile	Haverhill Farms	Maples of Novi	600
1b	1	S	South	Fourteen Mile	M-5	Haverhill Farms	867
4013	17	RT	N/A	Medilodge Providence	Medilodge	Beck	3,203
4003	31	RT	N/A	ITC Corridor	N. of ITC Sports Center Park	Garfield	5,800
Total							10,470
2014-15 Completed Non-Motorized Improvements							
109	32	P	north	Eight Mile	Garfield	Beck	2,888
27	14	P	north	Eleven Mile	Pinnacle	Town Center	3,500
89	26	P	east	Novi Rd.	Ten Mile	Ice Arena	500
76	24	P	north	Grand River	Seeley	Haggerty	200
69	23	S	south	Eleven Mile	Town Center	Meadowbrook	3,500
5016	28	C			Beck & White Pines/Cheltenham		
5033	2	C			Meadowbrook & Bridge St		
5065	2	C			Twelve Mile & Meadowbrook north		
4036	2	NBD	Hickory Woods	Novi Road		East Lake	1,025
9079	2	NBD	New Ct	East Lake	School		296
Total							11,909
2013-14 Completed Non-Motorized Improvements							
16	11	P	south	Thirteen Mile	Sunshine	Holmes	275
12 part	9	S	north	Twelve Mile	West Park	Liberty Park	335
24	13	S	east	Meadowbrook	Bridge	Eleven Mile	700
73	24	S	east	Meadowbrook	Eleven Mile	Grand River	600
4342	13	RT	regional	Meadowbrook	Twelve Mile	Meadowbrook Business Park	2,240
4349	13	RT	regional	Meadowbrook	Metro trail	Meadowbrook Park	1,560
4350	13	RT	regional	Meadowbrook	Meadowbrook Park frontage		800
5154	0	C		Nine & Haggerty		NW to NE	crossing
5009		C			Haggerty and Villagewood		crossing
5054	3	C		Wixom & Glenwood or Deerfield	mid-block crossing and signal project		crossing
89	26	P	east	Novi Rd	Ten Mile	Ice Arena	500

145	23	S	north	Ten Mile	Supplier Investment Co	RR	220
Total							7,230

2012-13 Completed Non-Motorized Improvements

92	27	S	west	Novi Rd.	Ten Mile	Nine Mile	2,135
36	16	P	west	Taft	Eleven Mile	Andes	495
144	23	P	west	Meadowbrook	Grand River	Cherry Hill	700
145 part	23	S	north	Ten Mile	Catherine Ind. Park	RR	705
4019	25	RT	regional	Brookfarm Park	Ripple Creek	Village Oaks Elem	633
5004		C			Nine Mile and Heatherbrae		
5007	24	C	mid-block	Grand River	Seeley	Joseph	crossing
5014	21	C	bike signs	Beck	Cidermill		crossing
5034	31	C	mid-block	Eight Mile	Community Sports Park	N to S	crossing
5035	31	C	mid-block	Eight Mile	Garfield	N to S	crossing
5143	32	C	crosswalks & signals	Beck	Eight Mile		crossing
Total							4,668

2011-12 Completed Non-Motorized Improvements

145b	23	S	north	Ten Mile	RR	Brookhaven	225
65	23	P	east	Novi Rd.	Grand River	Ten Mile	3,500
61	22	S	west	Novi Rd.	Cemetery	Pine Ridge Center	3,600
32c	15	S	west	Novi Rd.	West Oaks	N side I-96	876
5007	24	C	striping & signs	Grand River	Seeley	Joseph	crossing
5043	36	C	mid-block	Nine Mile	Sunrise		crossing
Total							8,201

2010-11 Completed Non-Motorized Improvements

83	25	S	north	Nine Mile	Meadowbrook	Haggerty	3,800
15	11	S	south	Thirteen Mile	Novi Rd.	Old Novi Rd.	350
5044	22	C			Novi at Post Office		crossing
146	11	C	west	Old Novi	South Lake	crossing	crossing
Total							4,150

2009-10 Completed Non-Motorized Improvements

71	23	S	north	Ten Mile	Hampton Hill	Brookhaven	822
139	25	S	east	Willowbrook	Oaktree	Guilford	400
141	24	C	crossing	Ten Mile	Nilan	SW to NW	crossing
82C	25	S	west	Haggerty	Ten Mile	Dunkin Donuts	220
140	23	C	crossing	Hampton Hill	Ten Mile	NE to NW	crossing
123a	1	RT	regional	M-5 Extension	Fourteen Mile	Thirteen Mile	5,280
Total							6,722

2008-09 Completed Non-Motorized Improvements

59	22	P	south	Eleven Mile	Taft	Cedar Spring Estates	1,300
125	15	S	west	Clark	Eleven Mile	Grand River	205

75 part	24	P	north	Grand River	Meadowbrook	Seeley	310
80A	24	S	north	Ten Mile	Meadowbrook	Haggerty	411
82A	25	S	west	Haggerty	Dunkin Doughnuts	Oak Ridge Place	1,180
60A	22	P	south	Eleven Mile	Clark	Cedar Spring Estates	300
136	21	S	west	Bramblewood	Cidermill	subdivision	210
63	22	S	north	Ten Mile	Wildcat	Taft	1,580
91	26	P	south	Ten Mile	Meadowbrook	Orchard Hills North	800
96	28	P	south	Ten Mile	Beck	Broadmoor Park	250
95	28	S	east	Beck	Ten Mile	Baker	300
	36	S	south	Orchard Hills Place	Haggerty	west	375
54, 55 part	20, 29	P	all	Ten & Beck legs			910
Total							8,131

2007-08 Completed Non-Motorized Improvements

57	21	S	north	Ten Mile	Roma ridge	Homestead	770
85	26	P	west	Meadowbrook	Ten Mile	Mallot	1,050
86	26	P	west	Meadowbrook	Chattman	Nine Mile	2,025
94	28	S	north	Nine Mile	Taft	Beck	640
117	35	P	west	Meadowbrook	Mission Pines	Mirabella Estates	450
118	35	P	west	Meadowbrook	Mirabella Estates	Eight Mile	480
Total							5,415

2006-07 Completed Non-Motorized Improvements

42	17	S	north	Eleven Mile	Novi Middle School	Beck	3,700
56	21	P	south	Eleven Mile	Beck	Taft	1,700
Total							5,400

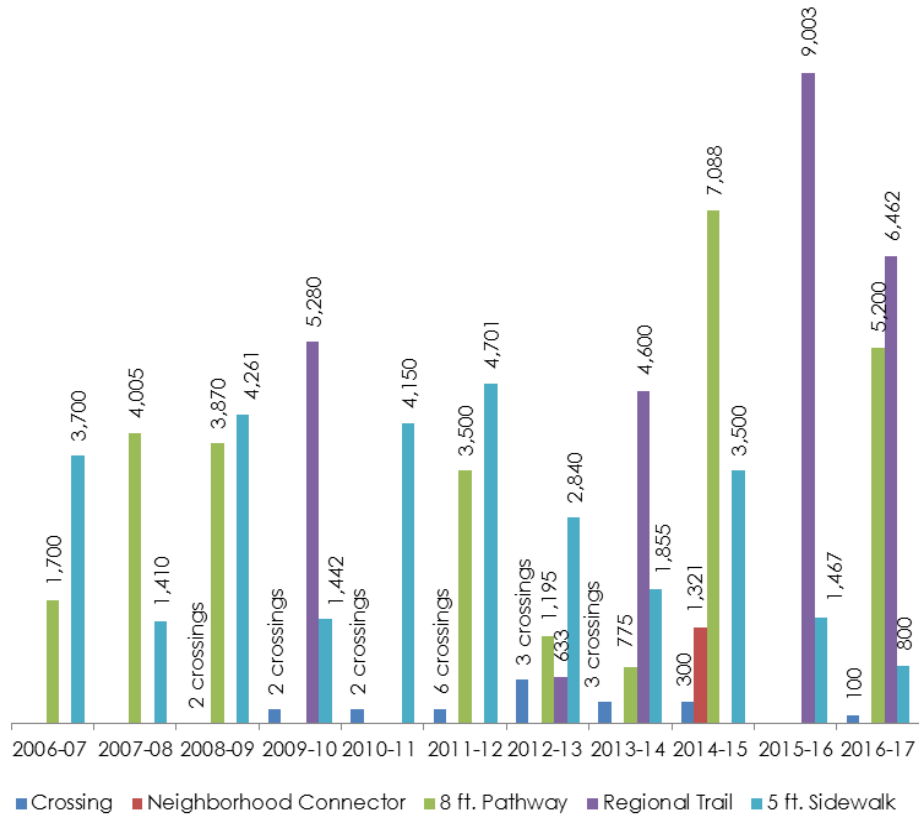


Figure 2.2: 2006 – 2017- Completed Non-Motorized Improvements by City of Novi by Type in ft
(Segments completed by the City of Novi only, not including developer completed segments)

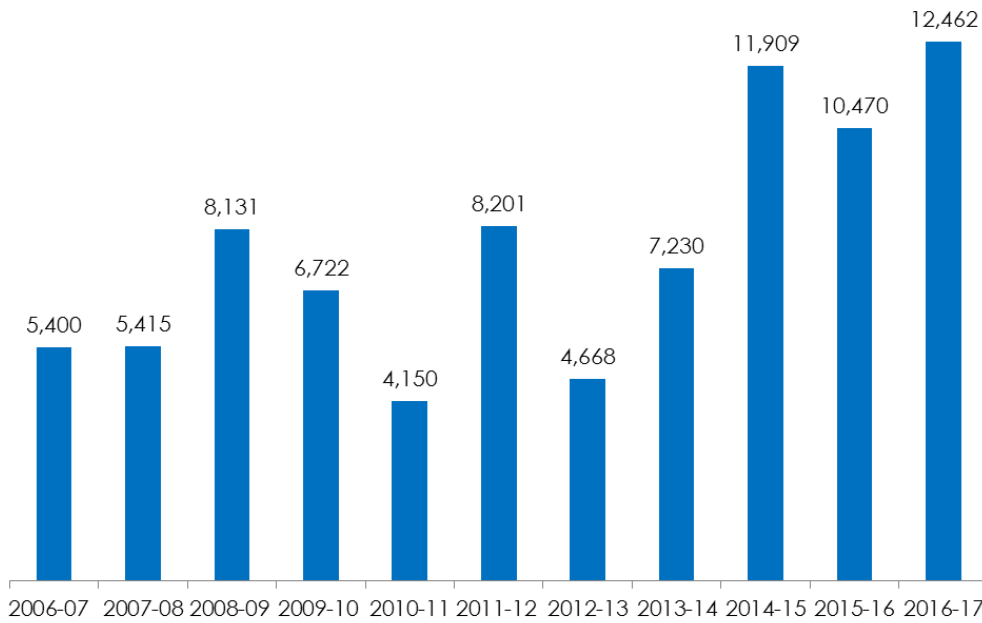
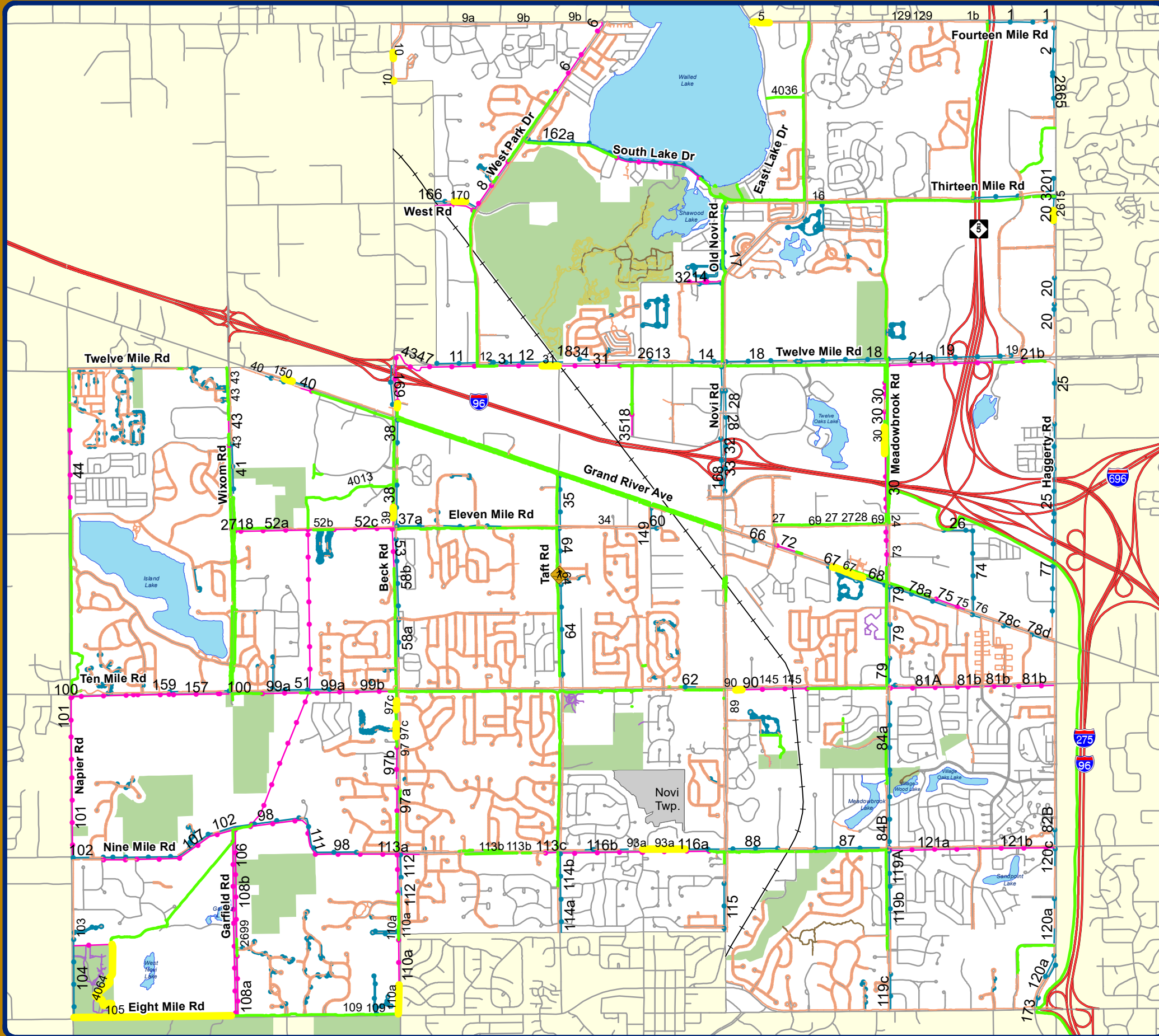


Figure 2.3: 2006-2017 Completed Non-Motorized Improvements by City of Novi in ft
(Segments completed by the City of Novi only, not including developer completed segments)

MAP 1
2016-2017 Completed Non-Motorized Improvements

Map 1: 2016-2017 Completed Non-Motorized Improvements



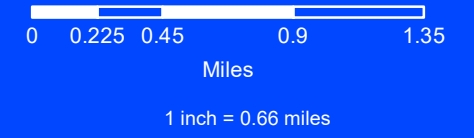
Annual Non-Motorized Prioritization: 2016-2017 Update

- Road Crossings
- Completed or Under Construction Segments
- Existing Sidewalks**
 - Existing Sidewalk
 - Existing Pathway
- Future Sidewalks**
 - Proposed Pathway
 - Proposed Sidewalk
- Existing Off Road Paths & Trails**
 - Paved Path
 - Unpaved Trail
 - Mountain Biking Trail



City of Novi
 Dept. of Community Development
 City Hall / Civic Center
 45175 W Ten Mile Rd
 Novi, MI 48375
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Map Author: Keri Blough
 Date: September 20, 2017
 Project: 2017 Non-Motorized Update
 Version #: 2.1



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.



Chapter 3: 2017-18 TOP 20 PRIORITY PATHWAY AND SIDEWALK SEGMENTS

The City's Pathway and Sidewalk Prioritization Analysis and Process approved by City Council on November 13, 2006, includes a provision for the annual updating of the Analysis and Process. The Annual Non-Motorized Prioritization is updated each fall. Data is collected through the year and is current through September 1, 2016, with the exception of completed segments, as any segment under construction at that time was determined to be complete or budgeted for planning purposes. As with previous updates, completed segments were identified, new segments were added and segment ranking was recalculated with this update.

Due to intrinsic nature of planning, it is necessary to evaluate the policies as new challenges and questions arise. As part of the evaluation process, staff reviewed the prioritization criteria from various communities to identify additional criteria with 2015-16 update. On September 17, 2015, the Walkable Novi Committee approved the changes recommended by staff after review and discussion Table 3.4 shows the list of revised approved Tier 1 and Tier 2 categories.

Each year, all pathway and sidewalk segments that are proposed adjacent to roads in Novi are reviewed against a set of Tier 1 criteria and assigned points based on the segment's potential service benefits to the citizens of the City. See Table 4.3 in chapter 4 for more details. The segments are ranked by their Tier 1 points and the top 20 priority segments are then reviewed against a second set of Tier 2 criteria and assigned points based on financial and other feasibility considerations. See Table 4.3 in chapter 4 for more details. Additional Tier 2 ranking is done to give priority to segments that provide more economical value to the City.

From the Top 20, construction of Segments 80B, 121A and 121B are deferred until development due to constraints beyond City control. Because of which, segments ranking 21 through 23 are moved up to list of Top 20 Priority segments. Table 3.1 and 3.2 provide further details. Compared to last year, the list of segments did not change significantly. With 2016-17 update, the committee has decided to move Segment 82B, which was identified as a deferred segment in 2015-16 update to the Top 20 segment list. The decision was made because the committee felt the prospects for private development of the site are unlikely in the near future. Engineering department is currently studying this segment to estimate the cost and ease of construction.

For 2017-18, the Top 20 Priority segments (excluding the deferred segments) result in over 7 (37,294 linear feet) miles of proposed pathways and sidewalks. Of them three are less than 400 feet long, five are between 400 to 1,000 feet long, five are between 1,000 and 1,500 feet long, six are over 2,000 feet long and, the longest is 4,300 feet long. Eighteen of the segments are included in the 2018-24 Capital Improvement Plan (CIP) in the CIP projected or forecast to be constructed by 2024. A majority of them (8 segments) are scheduled for 18-19 fiscal year.

Following changes happened since last years update

1. Segment 9B is removed as it is budgeted for construction in 2018
2. Segment 5 is removed as it is constructed in 2017
3. Few of the segments have moved up in ranking as the points increased due to increase in accidents.
4. Few of the segments have moved down in ranking as there is a segment that is completed on opposite side of the road or there is potential for private development.
5. Few of the segments (93A, 99A, 99B) are no longer part of Top 20 this year as others moved up for reasons stated above.
6. Segments 25, 120C, 66, 79 and 64 are new in the Top 20 list with this years update.



Segment 39: Asphalt pathway located west side of Beck Road north of Eleven Mile Road; possible future expansion

TABLE 3.1: 2017-18 Top 20 Priority Pathway and Sidewalk Segments excluding deferred segments

Overall Segment Rank	Segment Item #	Section #	Type	Side of Street	Location	From	To	# of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed pieces	Projected CIP Year
1	81B	23	P	south	Ten Mile	Willowbrook	Haggerty	3	2,750	23-24
3	120a	36	S	west	Haggerty	Eight Mile	N of Orchard Hill	2	1,390	18-19
4	81A	25	P	south	Ten Mile	Meadowbrook	Willowbrook	1	2,530	23-24
5	39	17	P	west	Beck	Eleven Mile	Providence	1	767	18-19
6	62	22	S	north	Ten Mile	Eaton Center	Churchill Crossing	1	400	21-22
7	84B	25	S	east	Meadowbrook	Nine Mile	Chattman	1	2,050	23-24
7	93B	27	S	north	Nine Mile	Plaissance	Taft	2	650	23-24
9	119A	36	S	east	Meadowbrook	Nine Mile	Singh Blvd	1	1,300	21-22
10	25	13	S	west	Haggerty	Twelve Mile	section line	2	4,300	23-24
11	82B	25	S	west	Haggerty	Pavilion Ct Apartments	Nine Mile	1	492	
12	70	23	P	west	Meadowbrook	Eleven Mile	Gateway Village	3	900	18-19
12	119c	36	S	east	Meadowbrook	Eight Mile	N of Llewelyn	1	1,200	21-22
14	119b	36	S	east	Meadowbrook	Singh Blvd	N of Llewelyn	1	1,300	21-22
17	120b	36	S	west	Haggerty	Orchard Hill	High Pointe	1	375	18-19
18	90	26	P	south	Ten Mile	Novi Rd.	Maly Dental	1	2,319	23-24
19	84A	25	S	east	Meadowbrook	Ten Mile	Chattman	1	2,350	23-24
20	120c	36	S	west	Haggerty	High Pointe	Nine Mile	1	600	18-19
21	66	23	P	south	Grand River	Sixth Gate	Main Street	2	312	18-19
22	79	24	S	east	Meadowbrook	Ten Mile	Grand River	3	2,000	
23	64	22	S	east	Taft	Ten Mile	Eleven Mile	2	3,840	23-24
Total Linear Feet									37,294	

Legend S= 6 ft. sidewalk P= 8 ft. pathway





-  Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity
-  Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity
-  Short Segments
-  CIP Budget Year

TABLE 3.2: 2017-18 Selected Priority Pathway and Sidewalk Segments: deferred until private development occurs

Overall Segment Rank	Segment Item #	Section #	Type	Side of Street	Location	From	To	# of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes
1	80B	24	S	north	Ten Mile	Meadowbrook	Willowbrook Estates	1	189	
15	121A	36	P	south	Nine Mile	Meadowbrook	Sunrise	1	2,900	Previous City Council Action
15	121B	36	P	south	Nine Mile	Sunrise	Haggerty	1	2,380	
									5,469	

Legend S= 6 ft. sidewalk P= 8 ft. pathway

- Segments with pathways or sidewalks on most of the opposite side of the street - *note that these segments may be critical for system connectivity & must be analyzed separately for connectivity*
- Segments with a higher ranking segment planned for the opposite side of the street - *note that these segments may be critical for system connectivity & must be analyzed separately for connectivity*
- Short Segments (400 ft. or less)
- CIP Budget Year

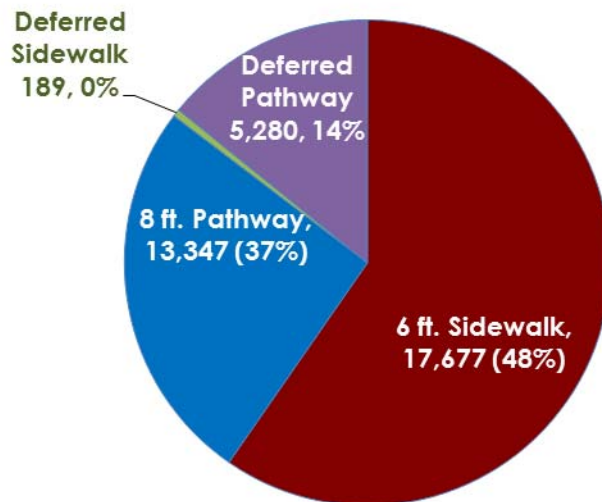


Figure 3.1: Total Length of 2017-2018 Priority segments per Sidewalks and Pathways
(Segments to be completed by the City of Novi only)

TABLE 3.3: Additional Notes for Top 20 priority segments

Overall Segment Rank	Segment Item #	Construction Estimate	Number of Easements required	Length in Feet	Notes
1	81B	\$748,846	4	2,750	Eight foot wide <u>asphalt</u> pathway along south side of Ten Mile Rd.
3	120A	\$97,681	1	1,390	Six foot wide sidewalk along west side of Haggerty Rd.
4	81A	\$736,196		2,530	Eight foot wide <u>asphalt</u> pathway along south side of Ten Mile Rd.
5	39	\$115,245		767	Eight foot wide <u>concrete</u> pathway along west side of Beck Rd.
6	62	\$507,174		400	<u>Possible Eight foot wide boardwalk</u> along north side of Ten Mile Rd to complete the gap.
7	84B	\$2,227,055		2,050	Six foot wide sidewalk and <u>about 700 Ft of Boardwalk</u> near Chattam All dedicated ROW
7	93B	\$1,282,424	2	650	Six foot wide sidewalk along north side of Nine Mile Rd.
9	119A	\$888,436	4	1,300	Six foot wide sidewalk along east side of Meadowbrook Rd.
10	25	\$522,547	8	4,300	Six foot wide sidewalk along west side of Haggerty Rd.
11	82B			492	Six foot wide sidewalk along west side of Haggerty Rd. <u>Dependent on gas pipeline relocation</u>
12	70	\$370,929	5	900	Eight foot wide asphalt pathway along west side of Meadowbrook Rd.
12	119C			1,200	Six foot wide sidewalk along east side of Meadowbrook Rd. (Cost included in Seg 119A)
14	119B			1,300	Six foot wide sidewalk along east side of Meadowbrook Rd. (Cost included in Seg 119A)
17	120b	\$81,129	1	375	Six foot wide sidewalk along west side of Haggerty Rd.
18	90	\$1,009,718	2 and Railroad Right-of-way	2,319	Eight foot wide asphalt pathway along south side of Ten Mile Rd
19	84A			2,350	Six foot wide sidewalk and about 700 Ft of Boardwalk near Chattam (Cost included in Seg. 84B)
20	120c	\$249,511	1	600	Six foot wide sidewalk along west side of Haggerty Rd.
21	66	\$113,593		312	Eight foot wide sidewalk along south side of Grand River Ave.
22	79		7	2,000	Six foot sidewalk along east side of Meadowbrook Rd. was ranked 48 th in 2016
23	64	\$1,309,909		3,840	Six foot wide sidewalk along east side of Taft Rd.
1	80B		2	189	Six foot sidewalk along north side of Ten Mile Rd. Parking lot for three businesses would require easements
15	121A		All dedicated ROW	2,900	Eight foot wide pathway along south side of Nine Mile Rd.
15	121B		1	2,380	Eight foot wide pathway along south side of Nine Mile Rd.

TABLE 3.4: Tier and Tier 2 Categories

All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES

1 BICYCLE & PED. ACCIDENTS
 (intersection accidents only included when sidewalk or pathway connection is missing, 1/98 to 9/13)
 5 = 1 accident; 10 = 2 accidents; 15 = 3 accidents
 20 = 4 or more accidents

TRAFFIC SAFETY

Each segment is given a weightage based on the Counts. The values are then multiplied by a multiplier based on respective speed limits to get the final rating

2 TRAFFIC COUNTS
 (ADT) 2010 Non-Motorized MP
 0 = <10K ADT
 5 = 10K-20K ADT
 10 = >20K ADT

TRAFFIC SPEED
 < 30 mph = x 1
 35-40 mph = x 1.2
 >=45 mph = x 1.5

ACCESS TO SCHOOLS

All three categories are grouped into one to simplify and avoid double counts.

Final rating would be based on number of schools with the same criteria. i.e. # elem & intermediate schools w/in 1 mile and so on)

3
 4.5 = 1 school
 9 = 2+ schools

(# elem & intermediate schools w/in 1 mile)
 4.5 = 1 school
 9 = 2+ schools

(# middle & high schools w/in 2 miles)
 4.5 = 1 school
 9 = 2+ schools

(# private schools over 100 students w/in 2 miles)
 4.5 = 1 school
 9 = 2+ schools

ACCESS TO PARKS

4
 (# w/in 1 mile)
 4 = 1 park; 8 = 2+ parks

ACCESS TO HOTELS

5
 # shopping areas w/in 1 mile)
 3.5 = 1 Hotel; 7 = 2+ Hotels

ACCESS TO SHOPPING

6
 (# shopping areas w/in 1 mile)
 3.5 = 1 shopping area; 7 = 2+ shopping areas

ACCESS TO PLACES OF WORSHIP

8
 (# places of worship w/in 1 mile)
 3.5 = 1 places of worship; 7 = 2+ places of worship

9 **CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM**
3.5 = connected to neighboring sidewalk system
7 = connected to regional trail system

10 **POPULATION SERVED**
0 = low density; 8 = medium density; 16 = high density

11 **SEGMENT COMPLETION**
3.5 = 1/2 to 1 mile; 7 = over 1 mile

12 **CONSIDERABLE PUBLIC INTEREST**
5 = top 15 survey responses, resident petitions & documented segments requested by groups & govt agencies

13 **NON-MOTORIZED MASTER PLAN**
20 = initial investment
15 = major corridor

TIER 2 CATEGORIES (only Top 20 Tier 1 segments receive tier 2 points)

1 **EASE OF CONSTRUCTION** (easy/hard)
0 = hard; 8 = medium hard; 16 = easy

2 **RIGHT-OF-WAY AVAILABILITY**
(based on % available)
0 = 0%; 4.5 = 25%; 9 = 50%; 13.5 = 75%; 18 = 100%

3 **OTHER FUNDING SOURCES**
(based on % available)
0 = 0%; 4.5 = 25%; 9 = 50%; 18 = 80%+

4 **OPPOSITE SIDE SIDEWALK OR PATHWAY**
(road < 12,000 ADT & 35 mph < existing or planned with higher priority ranking)
-20 = complete section link ; -10 = one direction section link

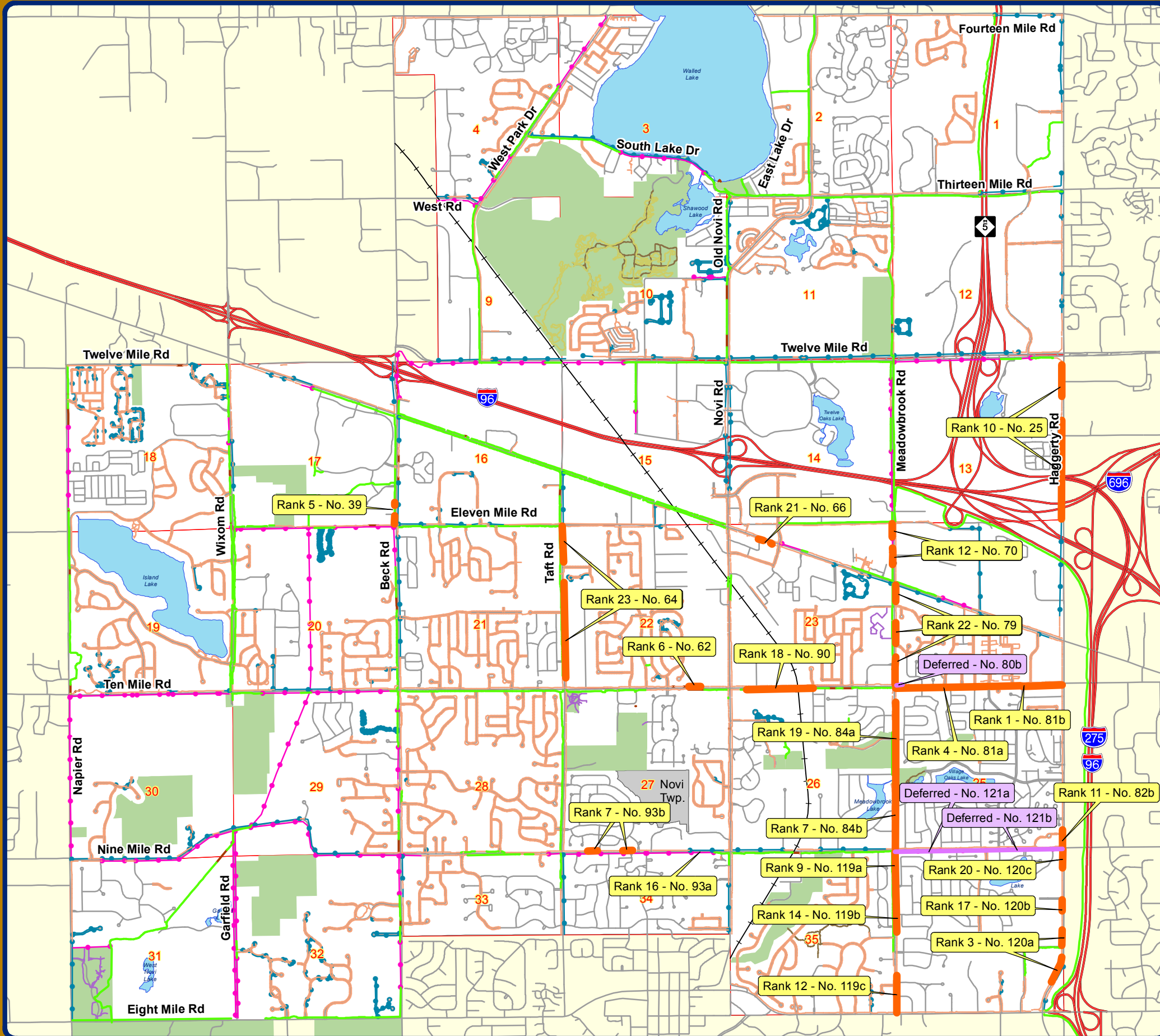
5 **PRIVATE DEVELOPMENT POTENTIAL**
(Positive Points)
8 = little potential
4 = partial potential within 10 years
2 = dev potential within 10 years
0 = SP submitted

6 **EVIDENCE OF EXTENSIVE PEDESTRIAN USE**
0 = No Evidence
10 = Worn Path

* This a new category added based on previous discussions. Engineering department will perform site visits to identify if pedestrians are using the unbuilt paths.

MAP 2
2017-18 Top 20 Priority Pathway and Sidewalk Segments

Map 2: 2017-2018 Top 20 Priority Pathway and Sidewalk Segments



Annual Non-Motorized Prioritization: 2017-2018 Update

Top 20 Priority Segments

- Top 20 Priority Segments
- Deferred Segments

Existing Sidewalks and Pathways

- Existing Sidewalk
- Existing Pathway

Future Sidewalks and Pathways

- Proposed Pathway
- Proposed Sidewalk

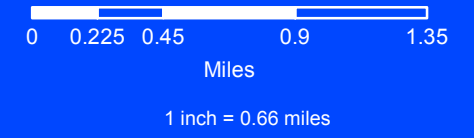
Existing Off Road Paths & Trails

- Paved Path
- Unpaved Trail
- Mountain Biking Trail



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Map Author: Keri Blough
 Date: September 19, 2017
 Project: 2017 Non-Motorized Update
 Version #: 3.0

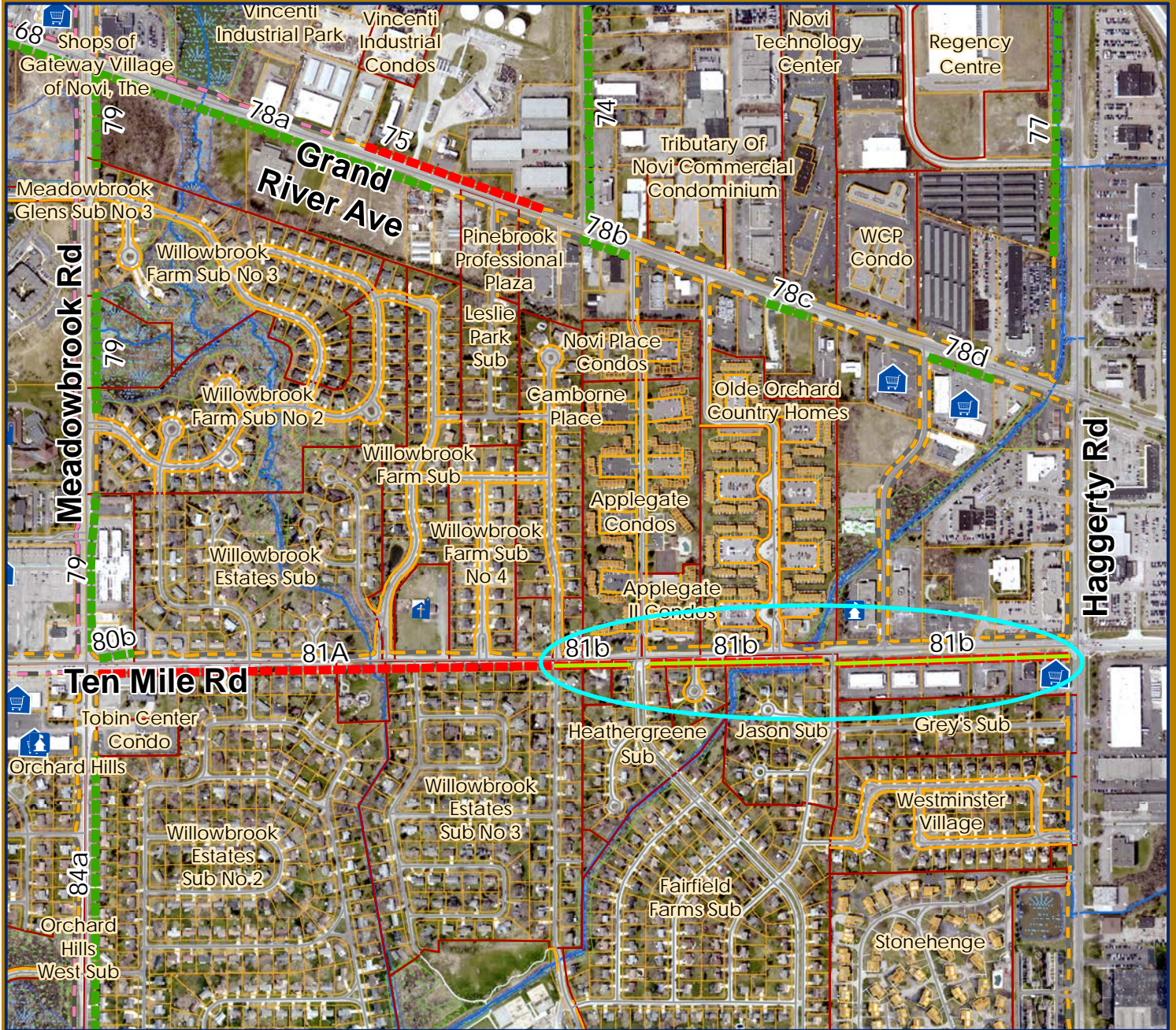


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**MAPS:
2017-2018 Top 20 Priority Pathway and Sidewalk Segments
(excluding deferred segments)**



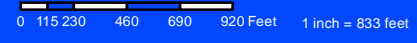
LEGEND

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	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		



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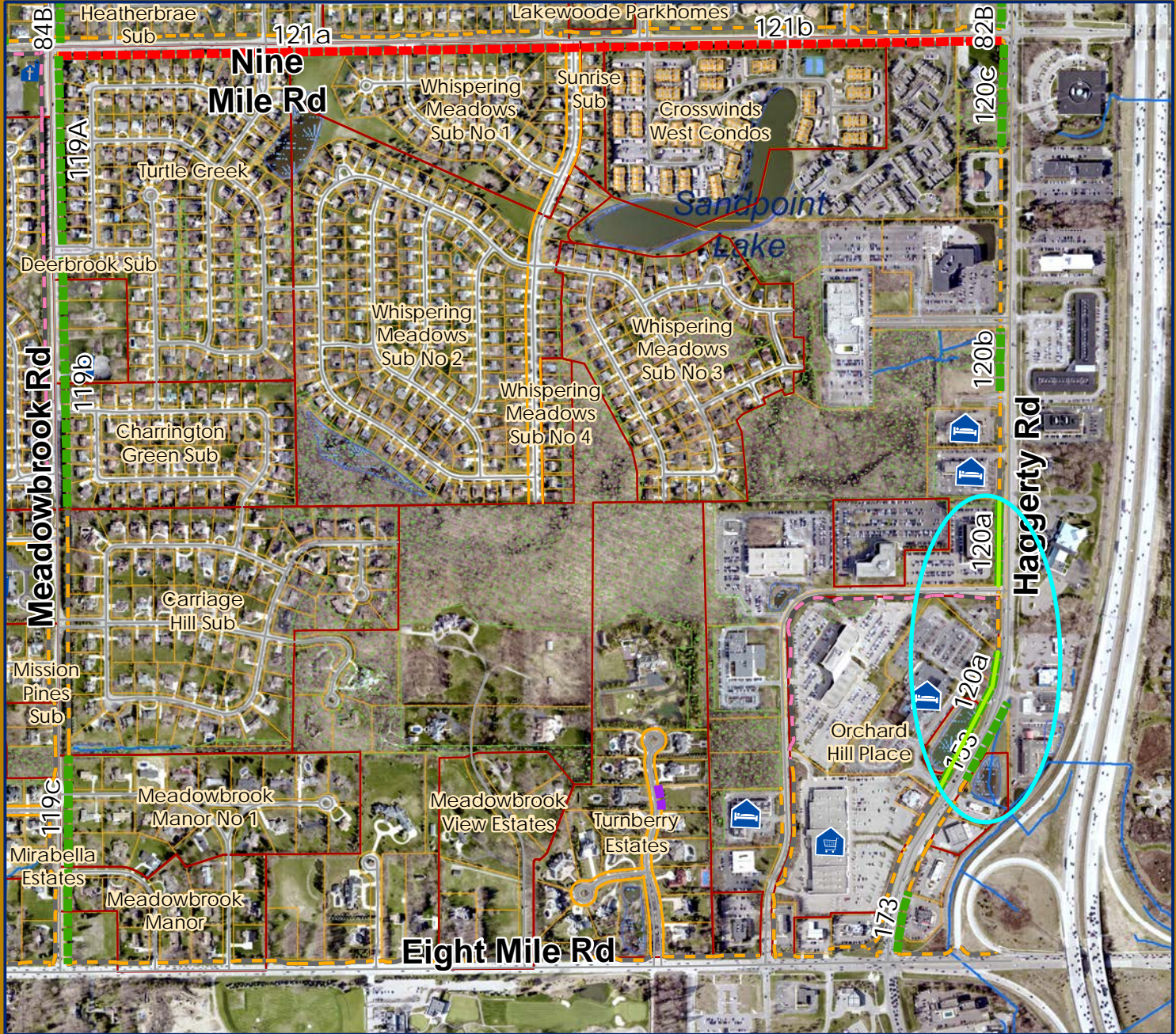
Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #:1.0



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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 | | |



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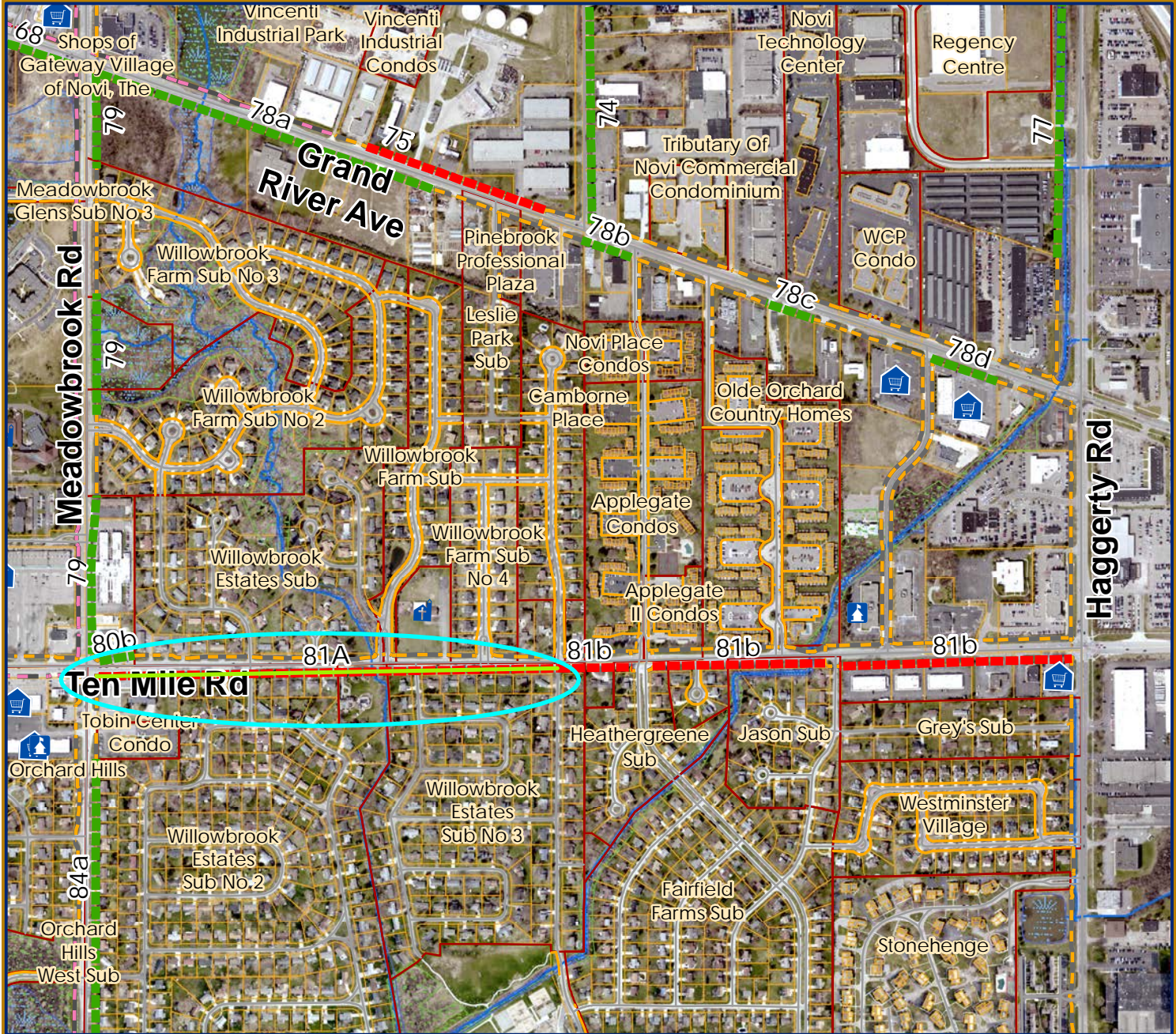
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Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0

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



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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 | | |



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















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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 | | |



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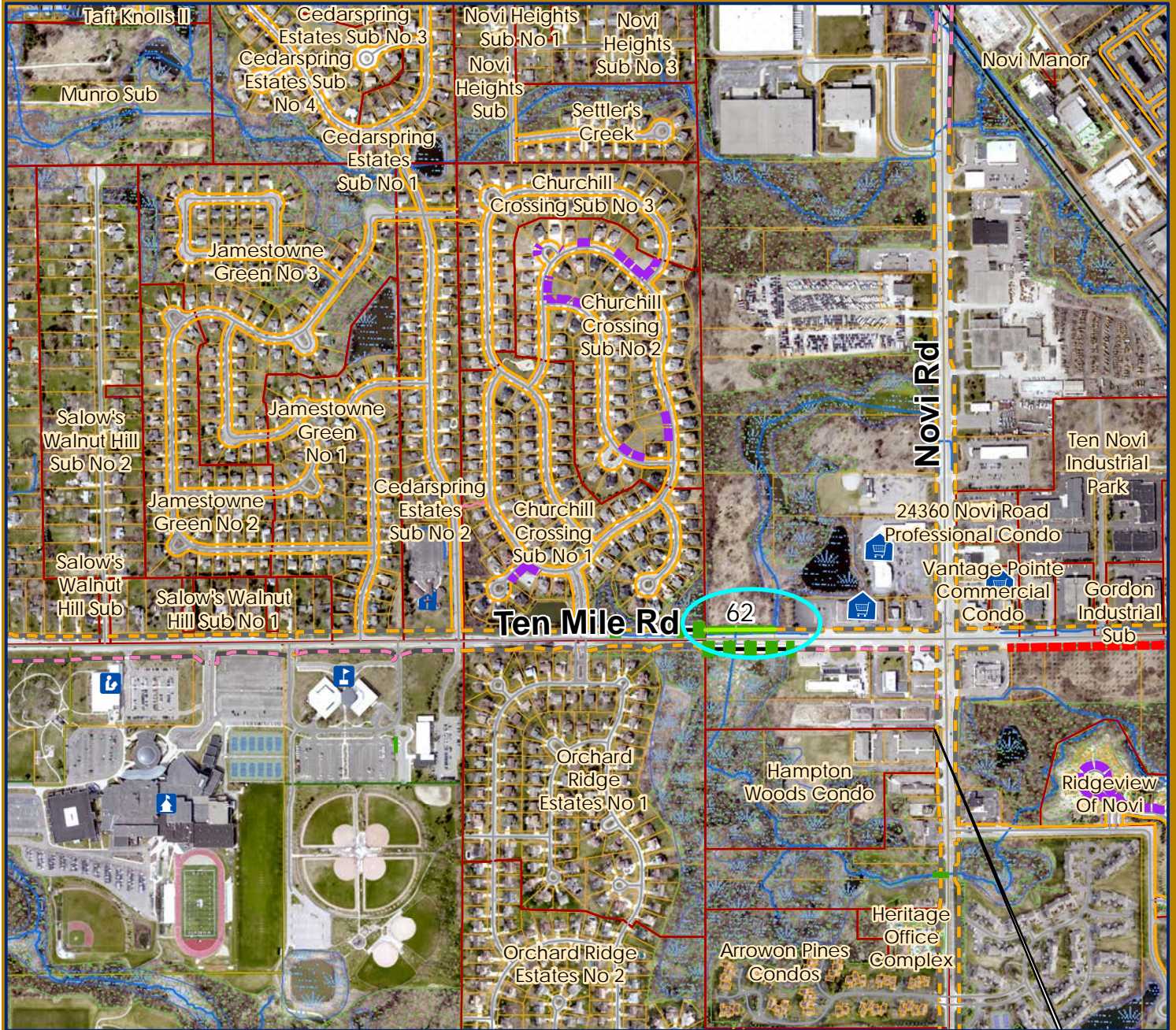
Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0

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



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Sidewalk north of Ten Mile between Eaton Center and Churchill Crossing: 400 ft.



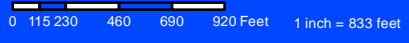
LEGEND

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	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		



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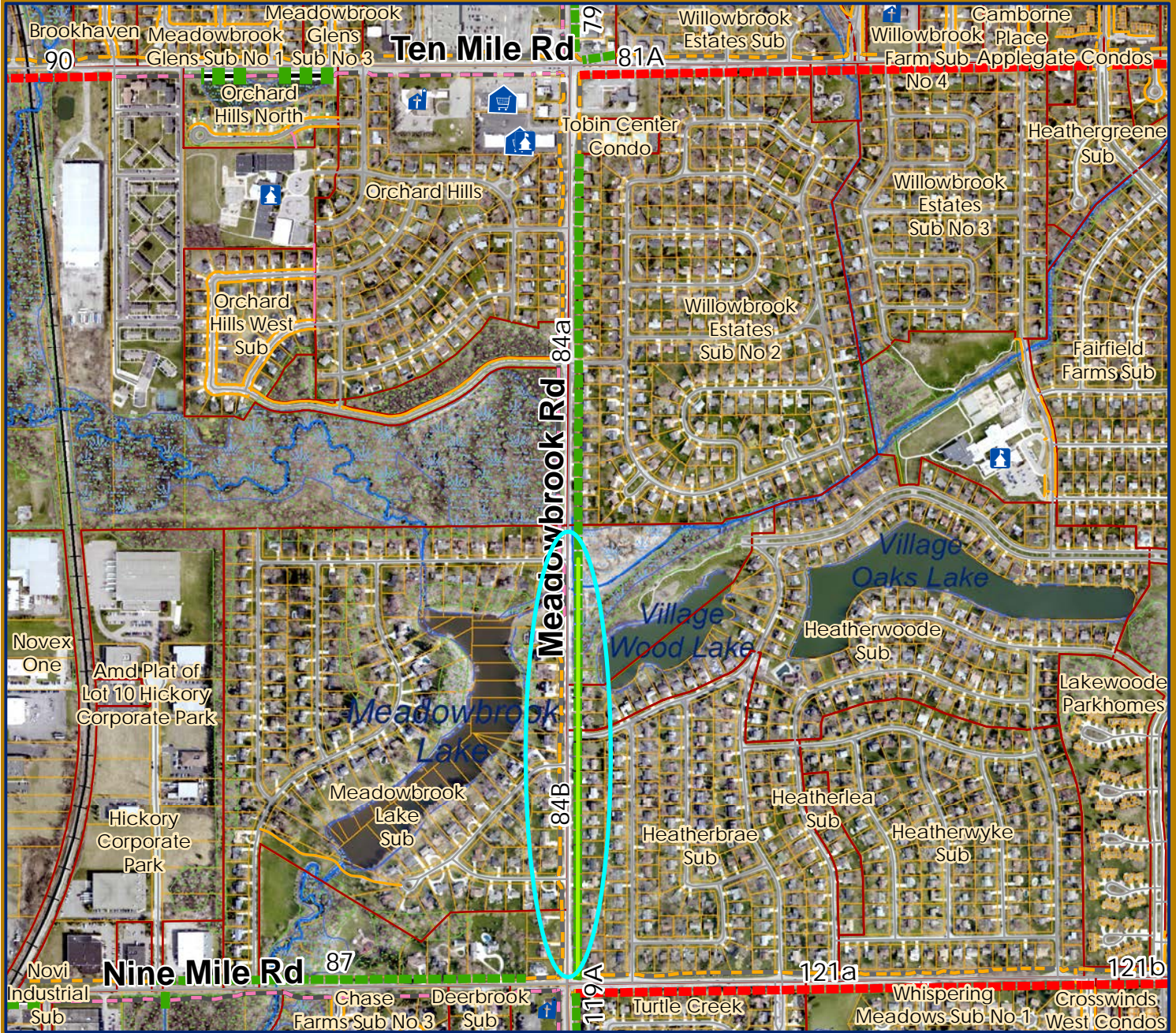
Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0



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Rank 7: SEGMENT 84B (CIP 2023-24)

Sidewalk east of Meadowbrook between Nine Mile and Chattman: 2,050 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 | | |



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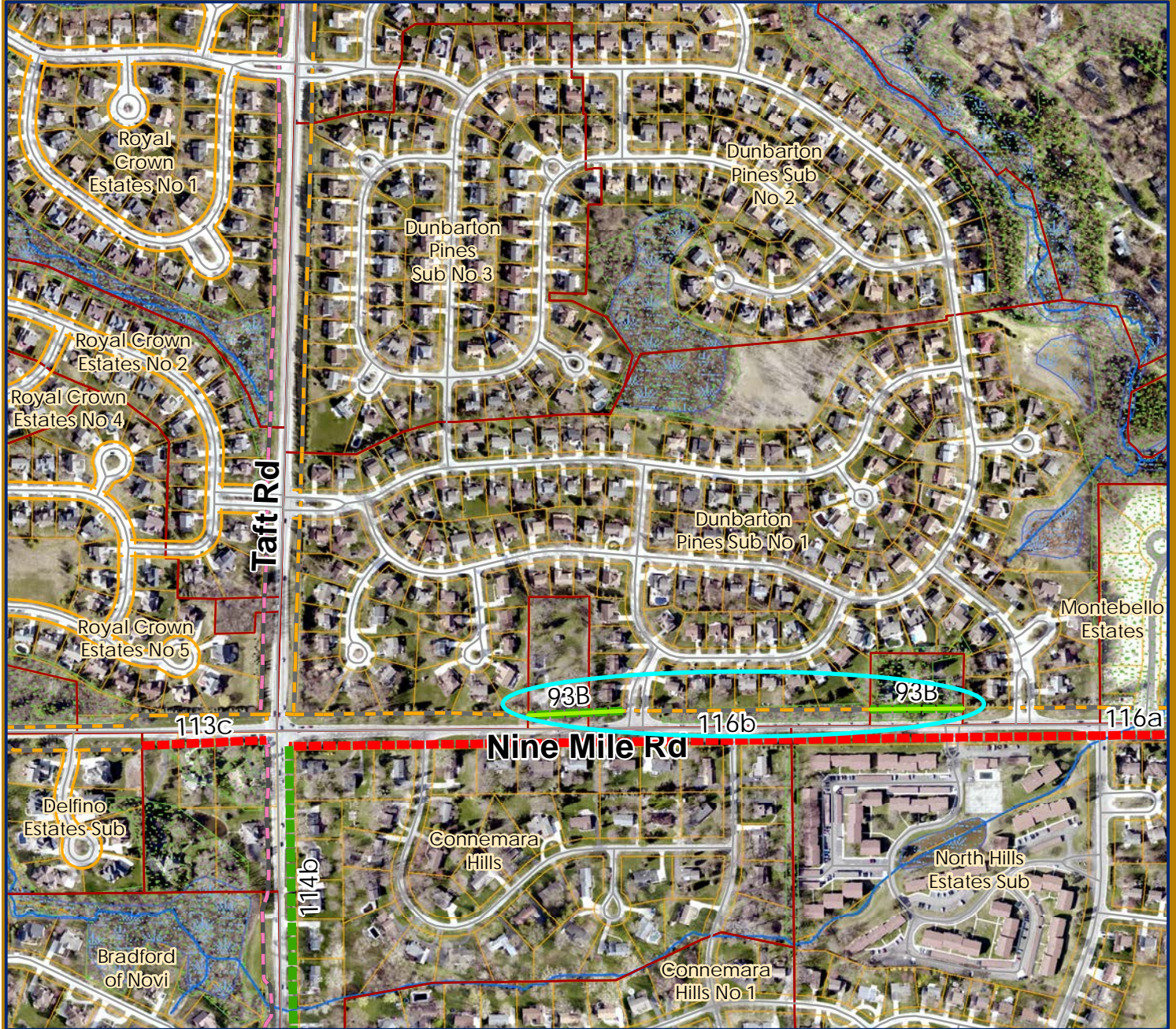
Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0

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










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Rank 7: SEGMENT 93B (CIP 2023-24)
 Sidewalk north of Nine Mile between Plaissance and Taft: 650 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 | |



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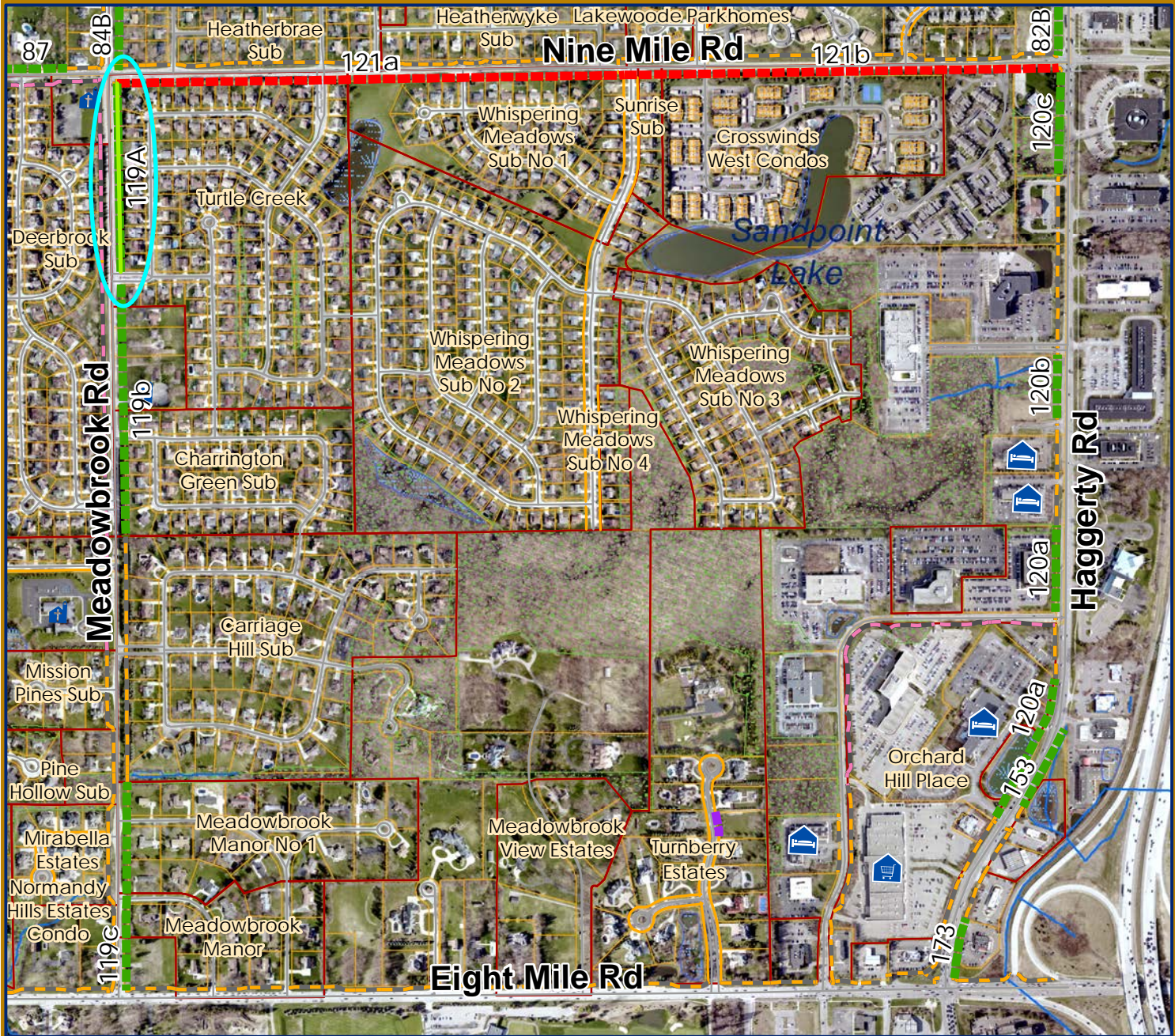
0 70 140 280 420 560 Feet 1 inch = 500 feet



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Rank 9: SEGMENT 119A (CIP 2021-22)

Sidewalk east of Meadowbrook between Nine Mile and Singh Blvd: 1,300 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 |
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| | Woodlands | | |



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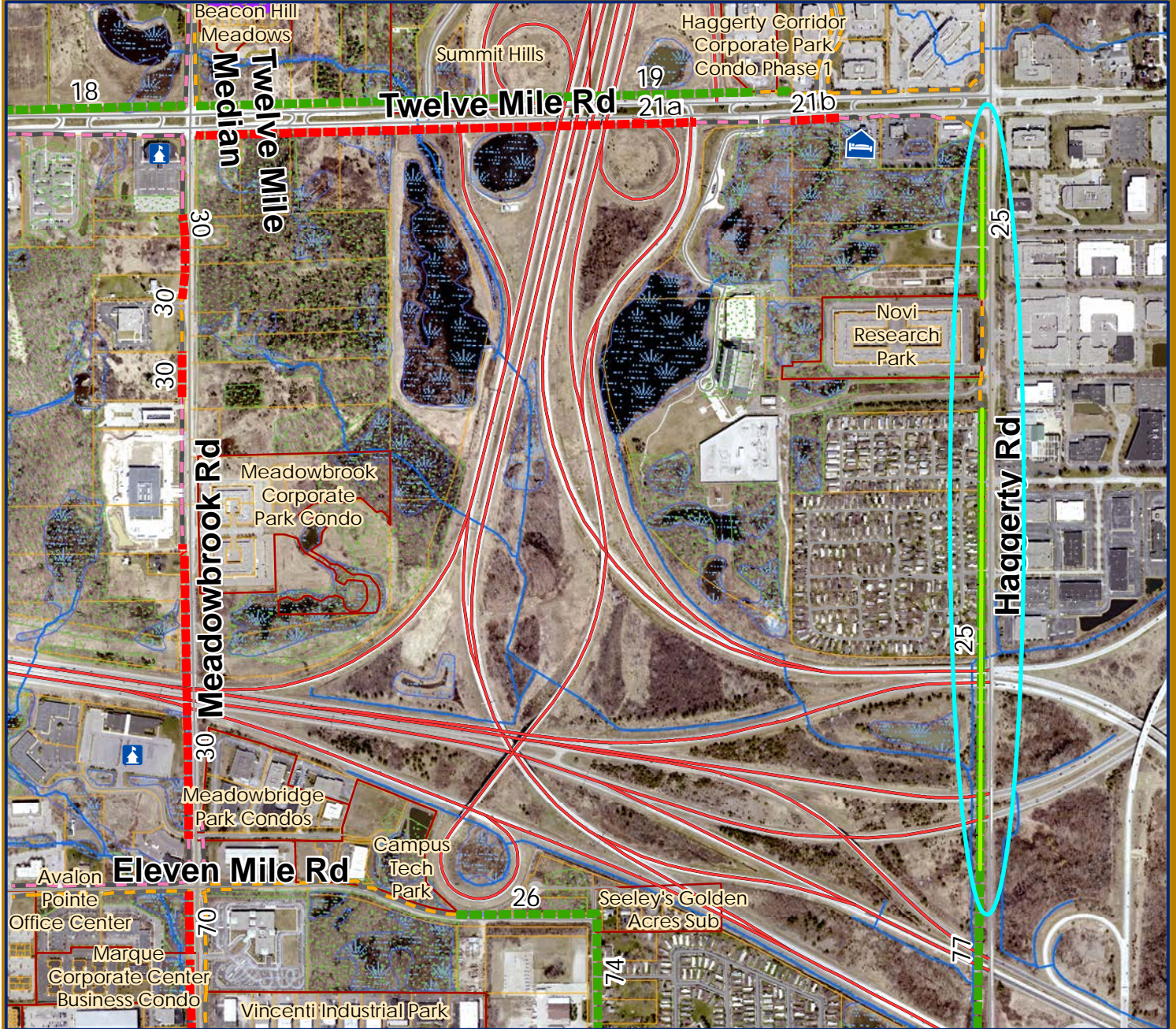
Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #1.0

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



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Rank 10: SEGMENT 25 (CIP 2023-24)
 Sidewalk west of Haggerty between Twelve Mile and section line: 4,300 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 | | |



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 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0

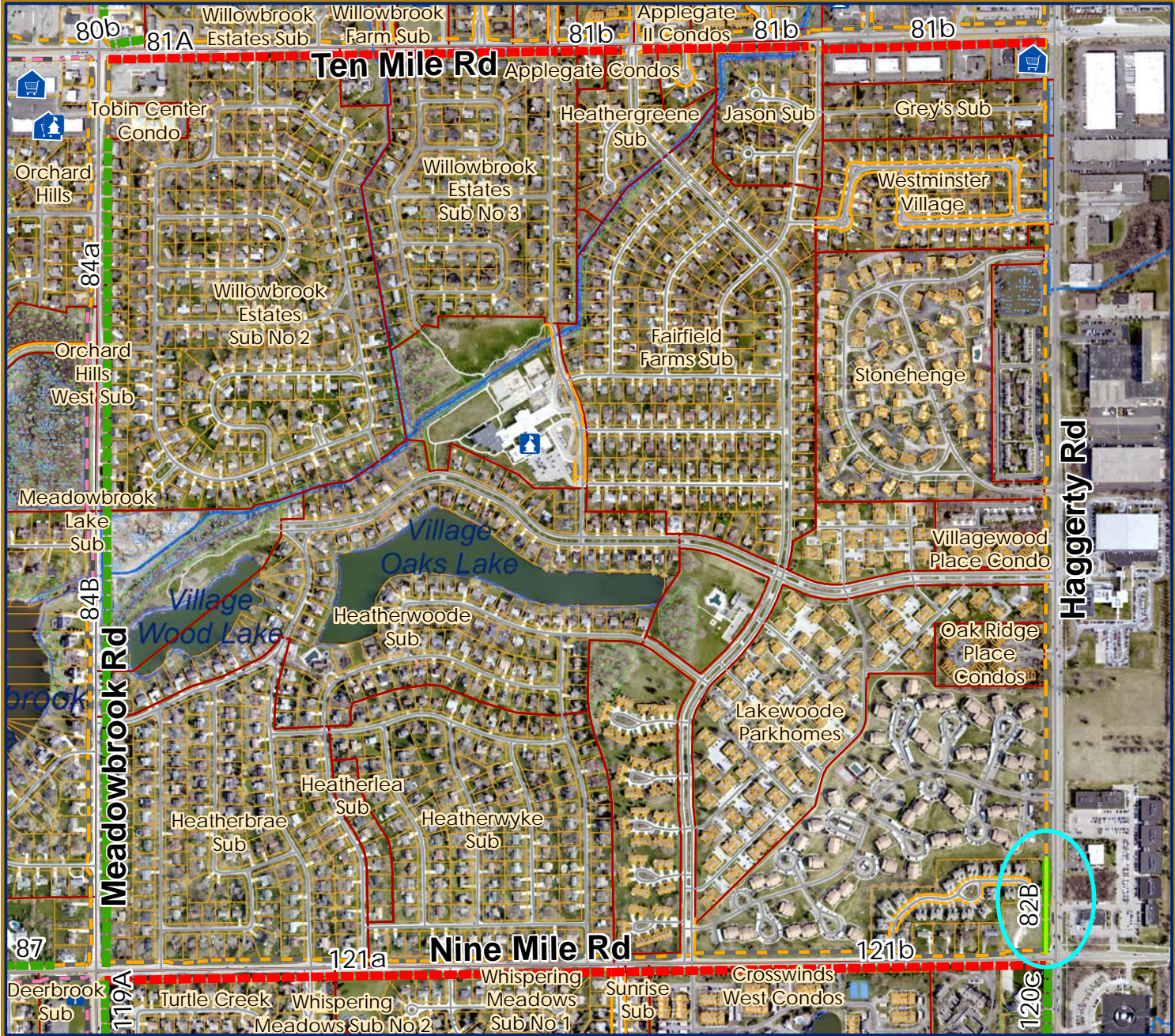
0 145 290 580 870 1,160 Feet 1 inch = 1,042 feet



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Rank 11: SEGMENT 82B

Sidewalk west of Haggerty between Pavilion Ct Apartments and Nine Mile: 492 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 | | |



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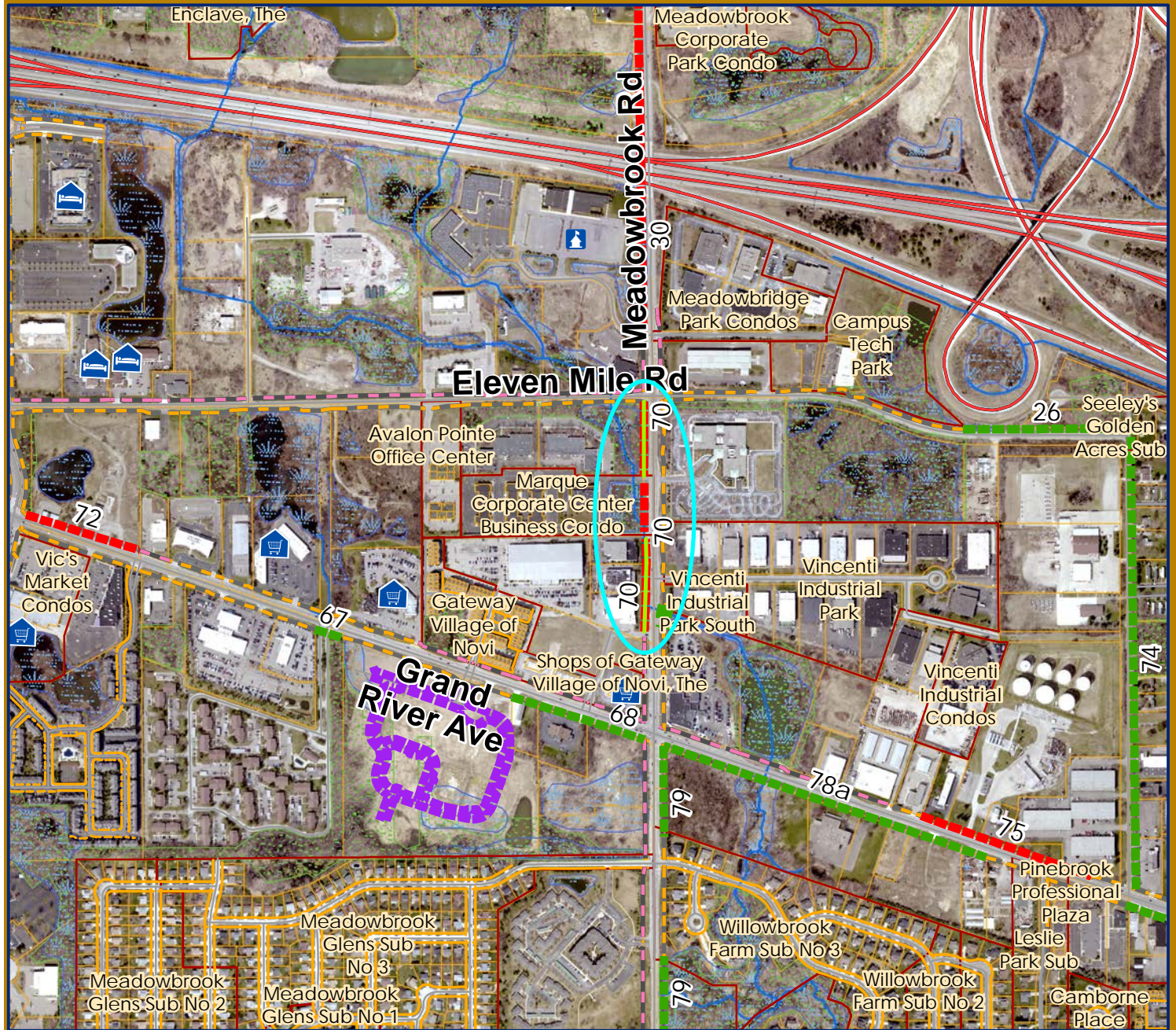
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Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0











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



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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 | | |



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 Map Author: Sri Komaragiri
 Version #:1.0

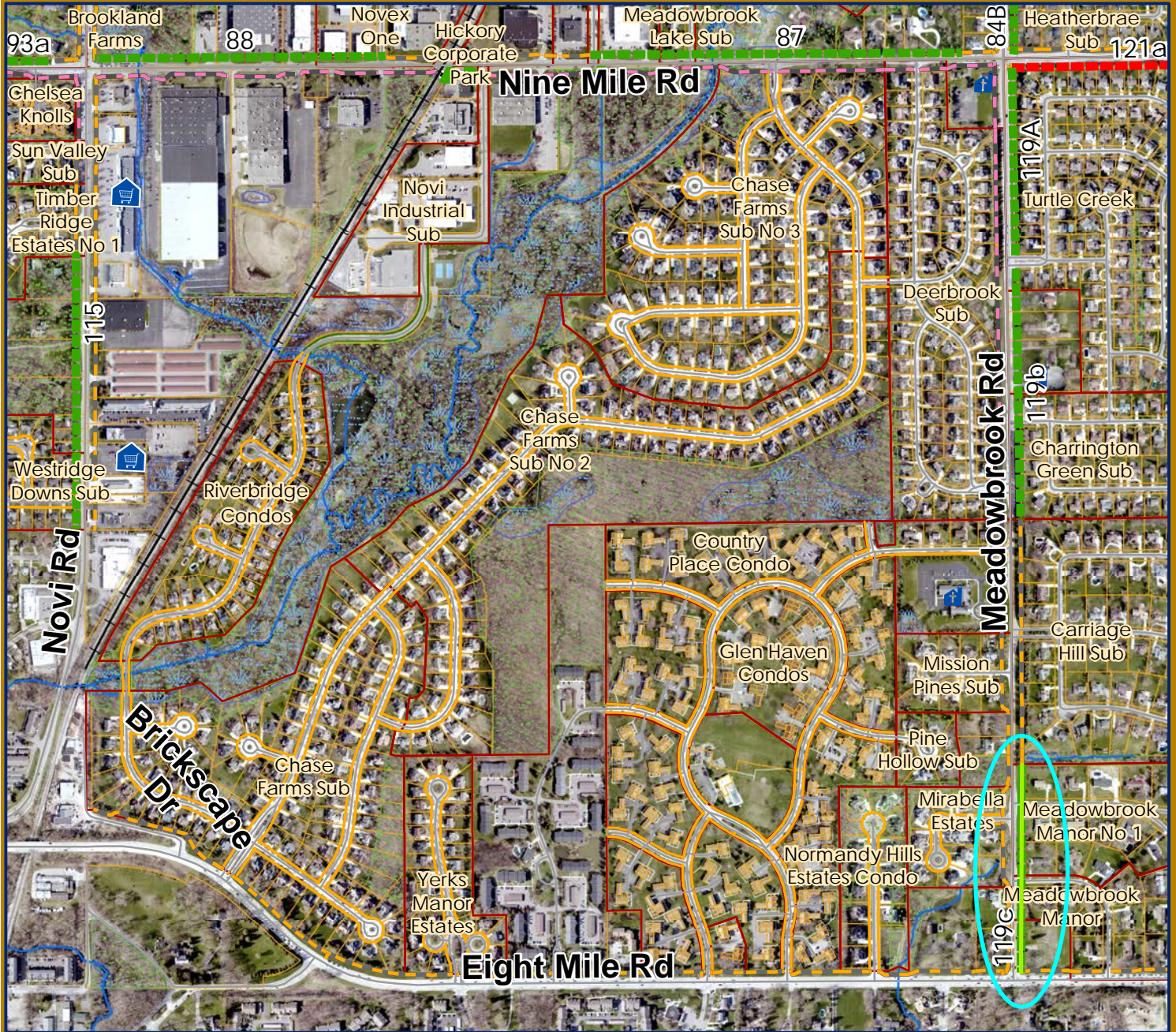
0 120 240 480 720 960 Feet 1 inch = 868 feet



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Rank 12: SEGMENT 119C (CIP 2021-22)

Sidewalk east of Meadowbrook between Eight Mile and N of Llewellyn: 1,200 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 | | |



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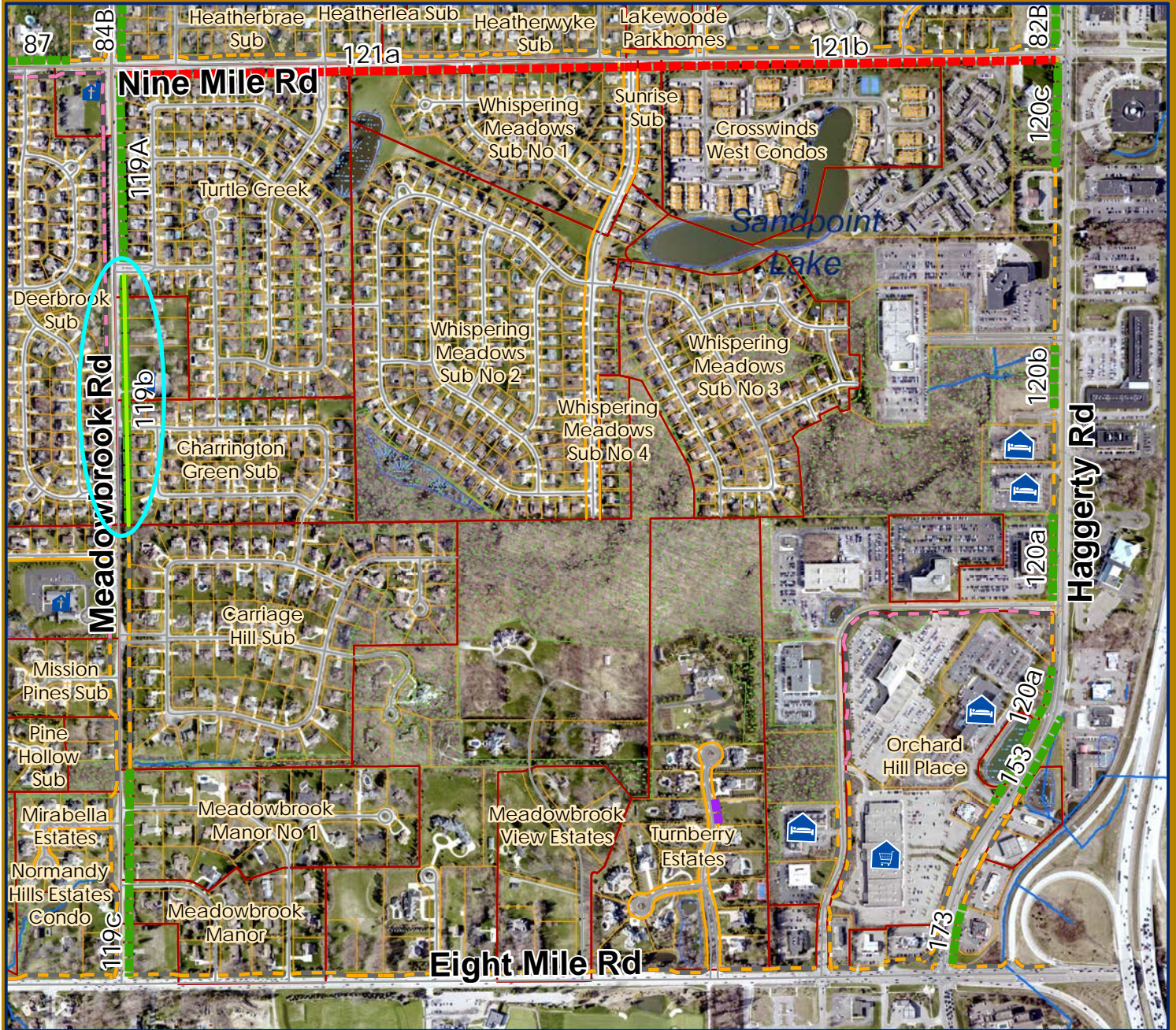
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Project: 2017-18 Top 20 Priority Path and Sidewalk Segments
 Date: April 06, 2018
 Map Author: Sri Komaragiri
 Version #: 1.0

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



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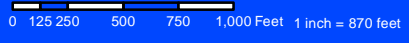
LEGEND

	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		



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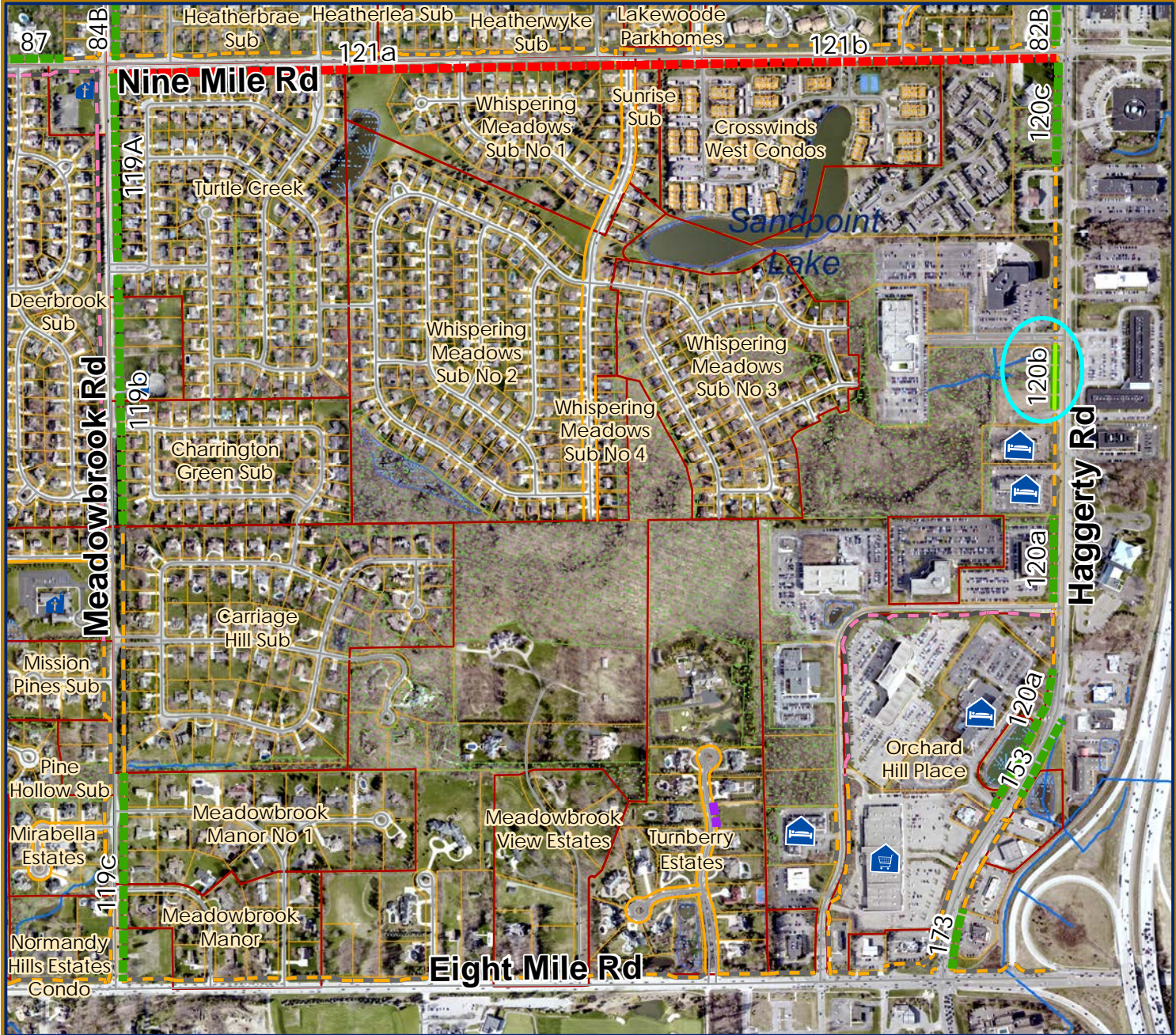
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Rank 17: SEGMENT 120B (CIP 2018-19)

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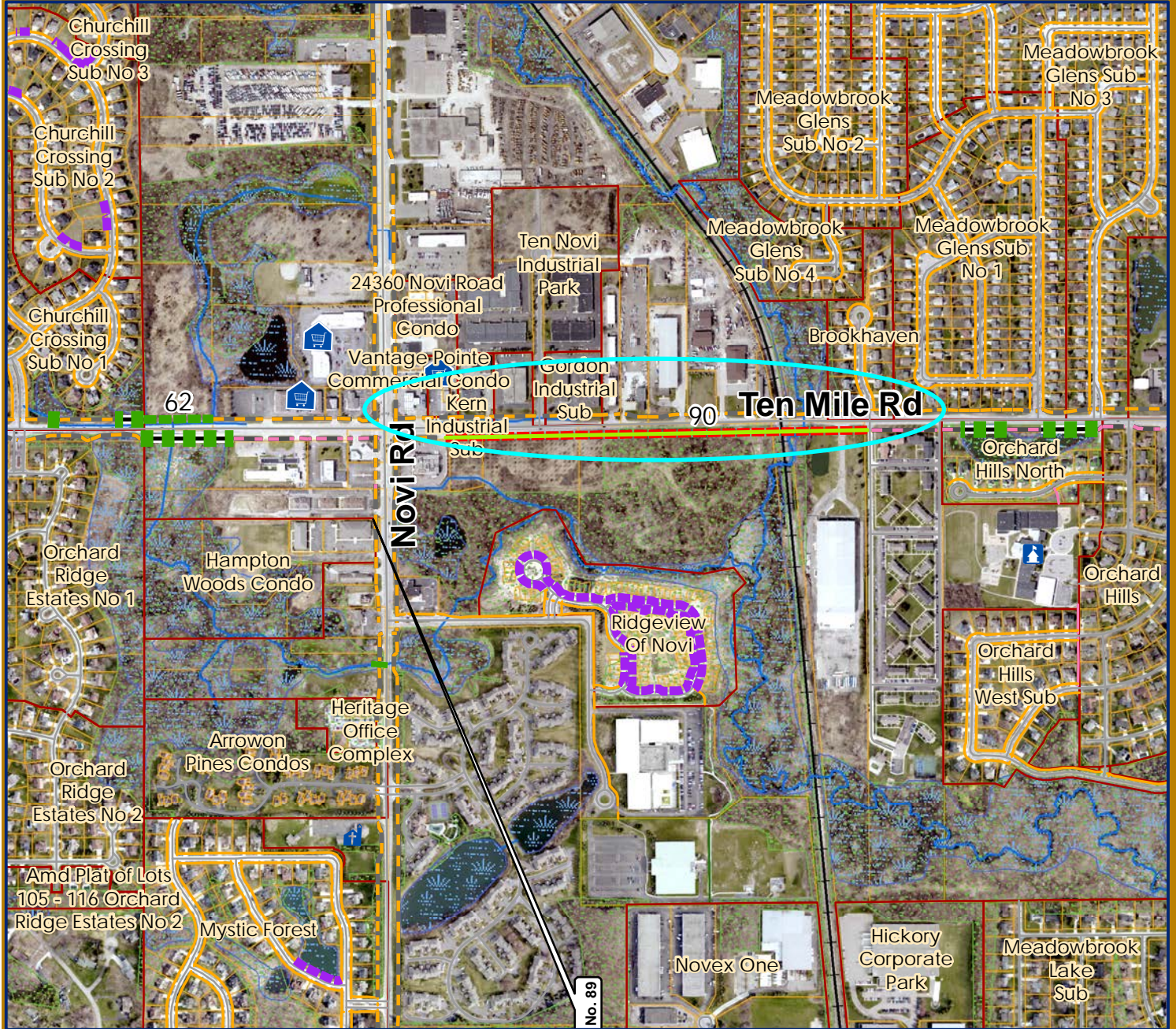
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0 120 240 480 720 960 Feet 1 inch = 868 feet



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Rank 18: SEGMENT 90 (CIP 2023-24)
 Pathway south Ten Mile between Novi and Maly Dental: 2,319 ft.



LEGEND

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



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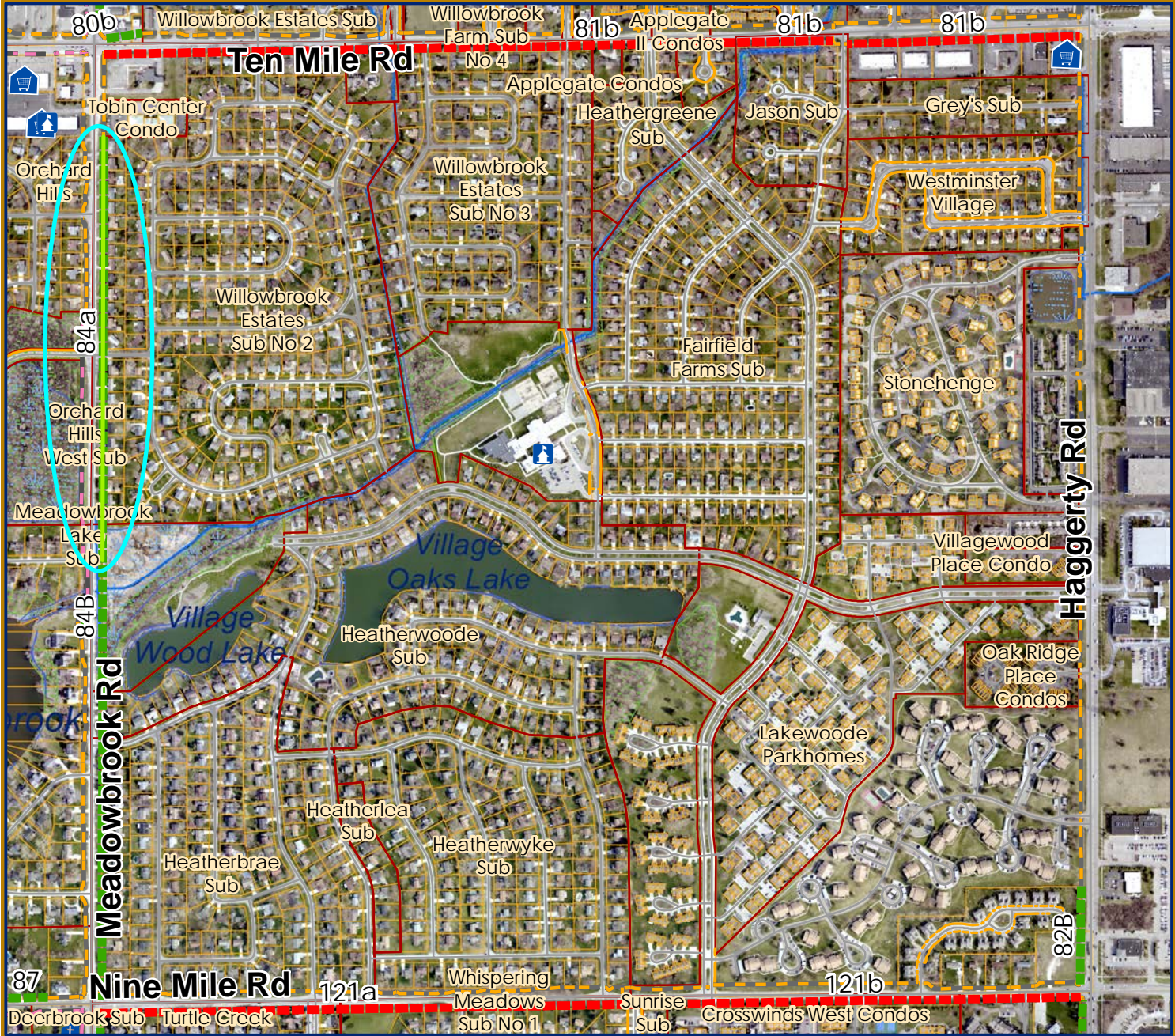
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Rank 19: SEGMENT 84A (CIP 2023-24)

Sidewalk east of Meadowbrook between Ten Mile and Chattman: 2,350 feet



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 | | |



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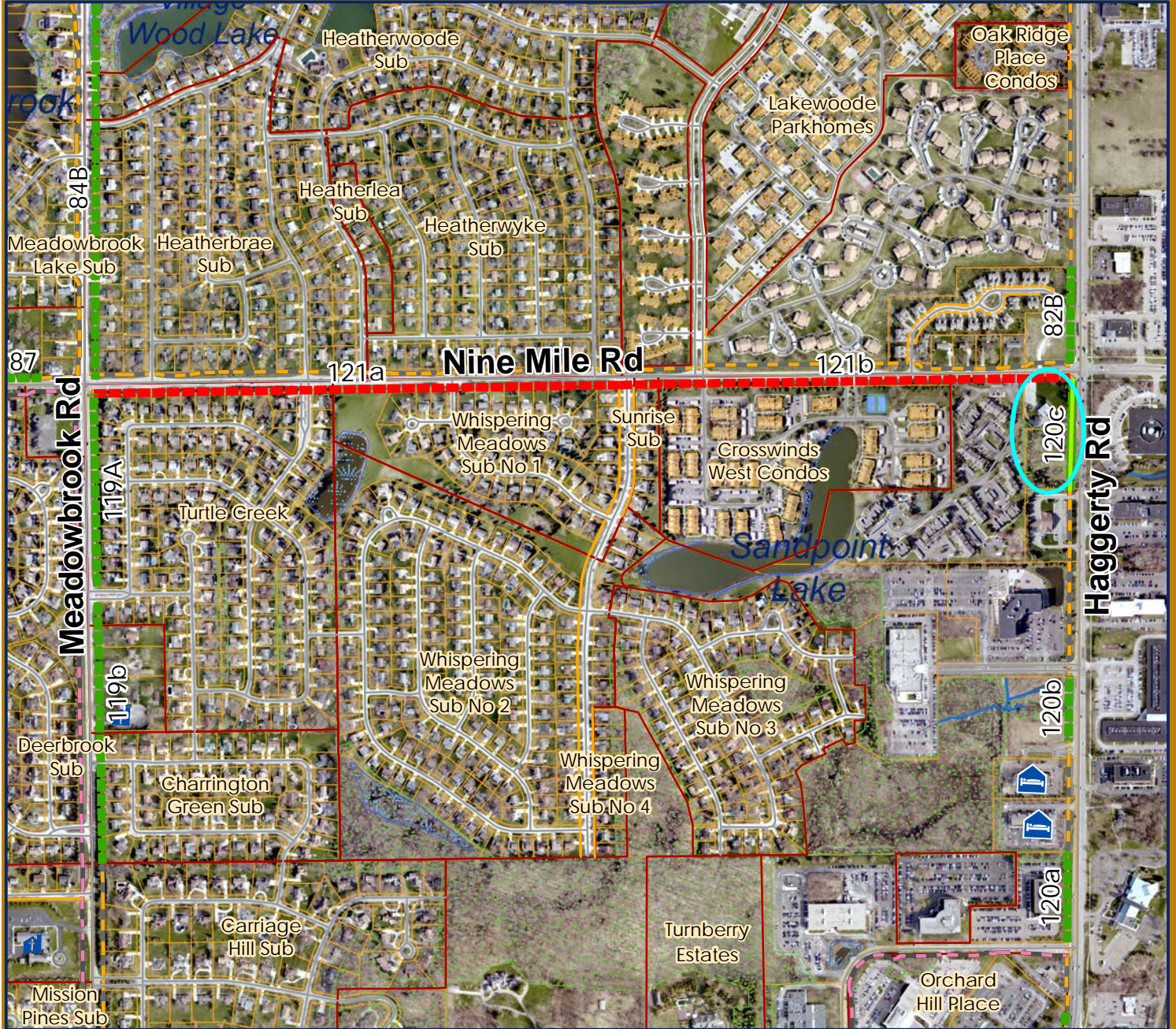
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0 115 230 460 690 920 Feet 1 inch = 833 feet






















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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 | |
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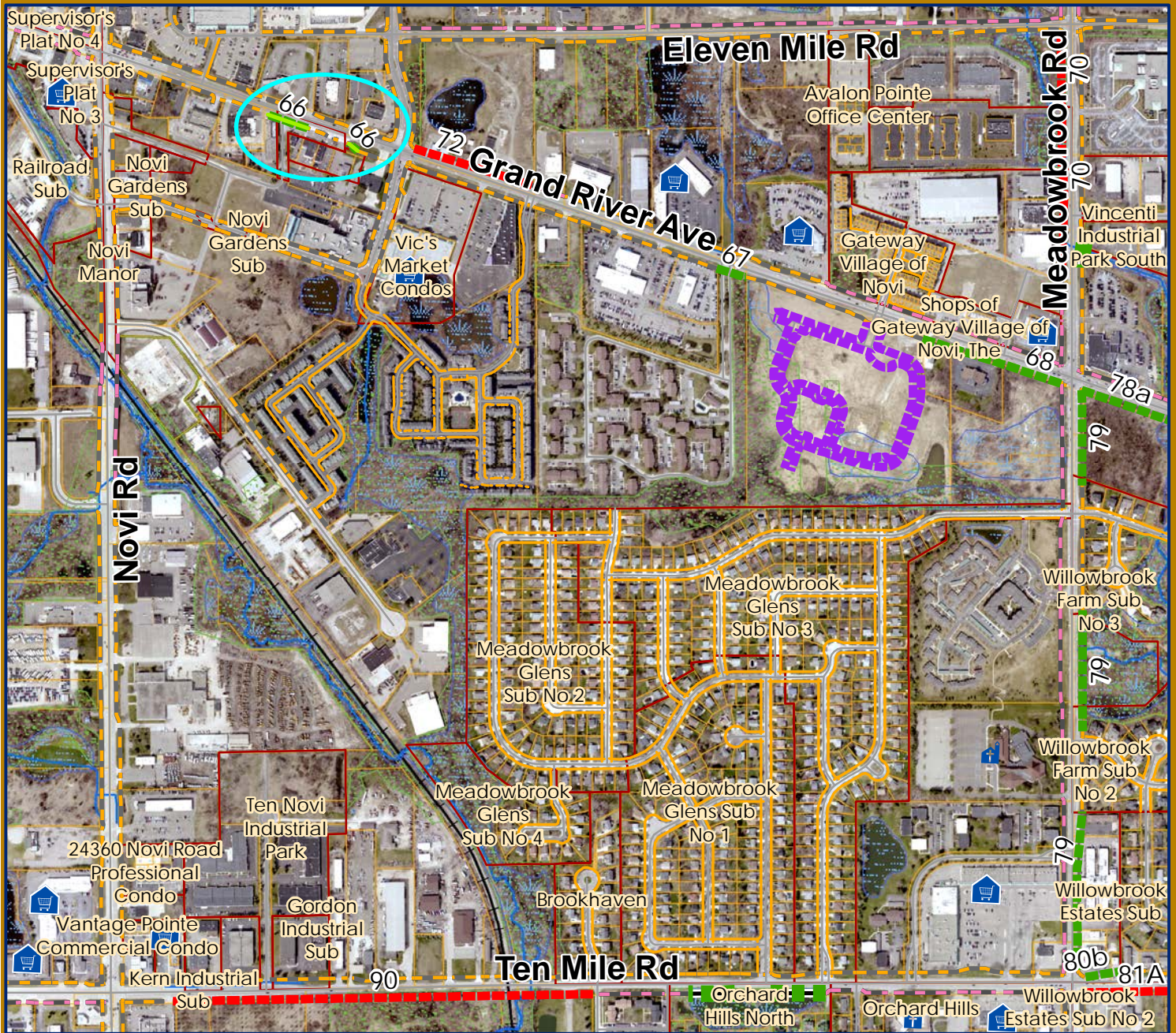
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Rank 21: SEGMENT 66 (CIP 2018-19)

Pathway south of Grand River between Sixth Gate and Main Street: 312 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 | | |



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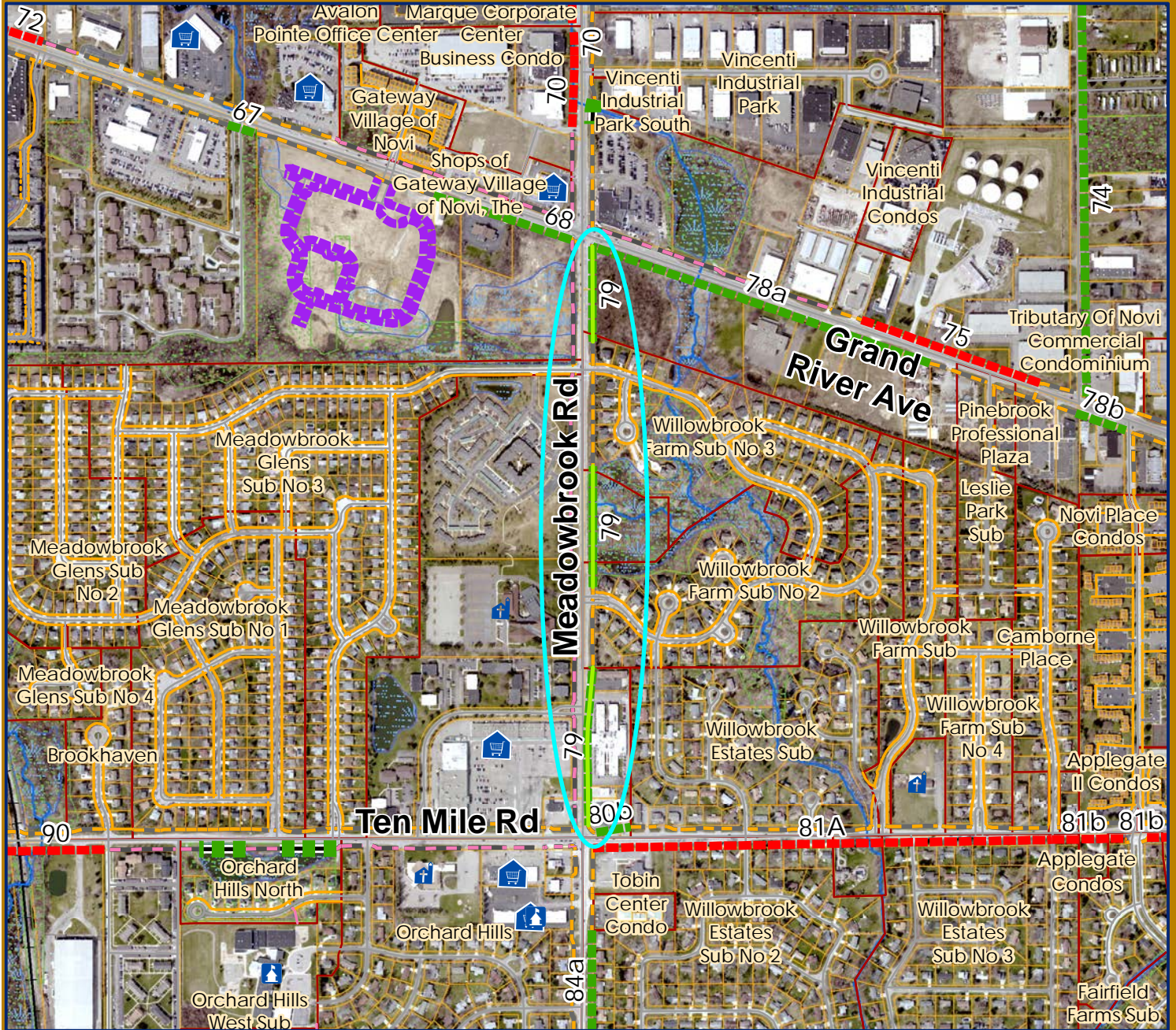
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LEGEND

- | | | | |
|--|--------------------------|--|-------------------------|
| | 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 | | |



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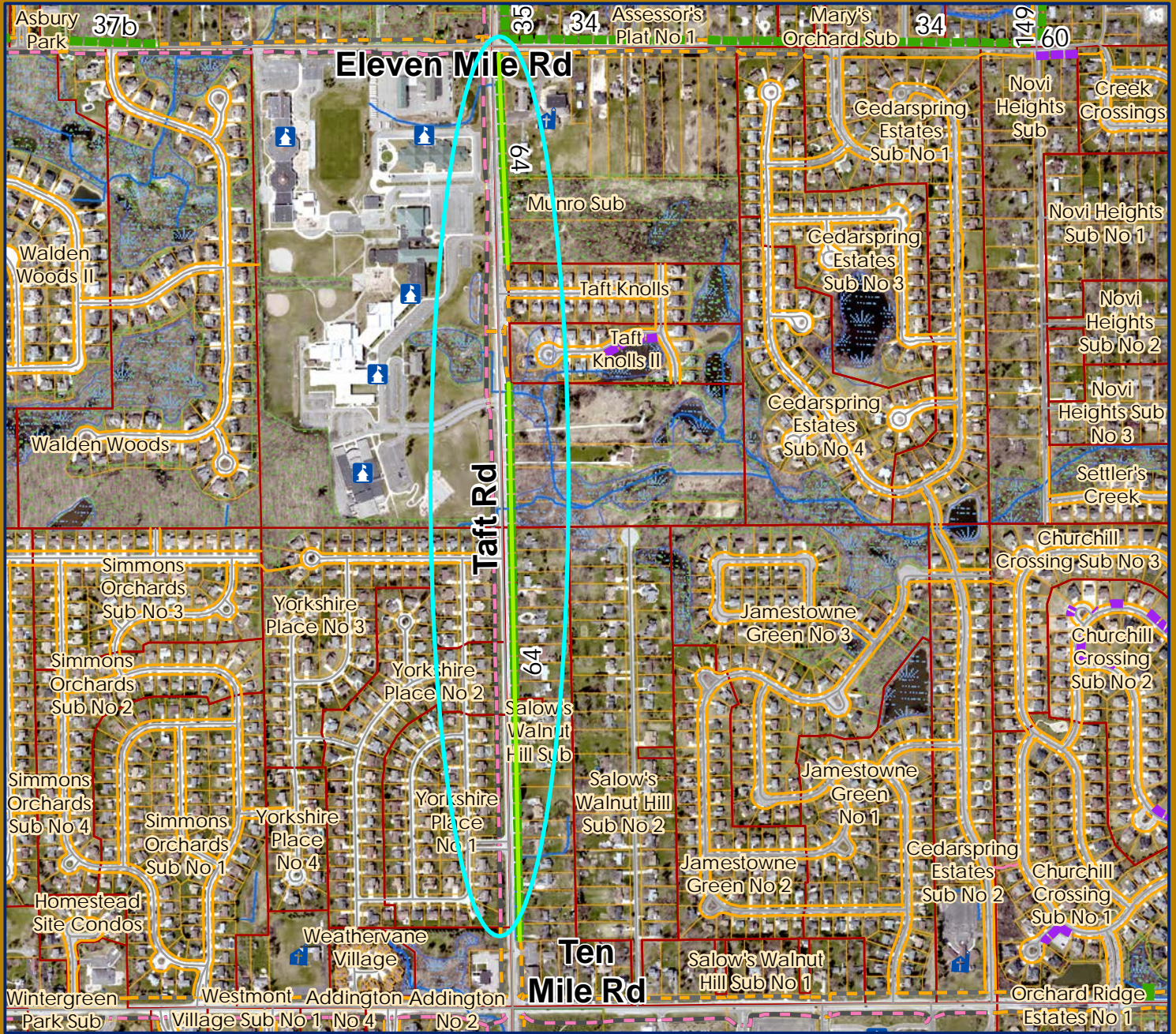
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Rank 23: SEGMENT 64 (CIP 2023-24)

Sidewalk east of Taft between Ten Mile and Eleven Mile: 3,840 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 | | |



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POSSIBLE TIER 2 CATEGORIES FOR CONSIDERATION

As part of 2017 update, staff reviewed the importance of two components that effect the non-motorized improvements: maintenance and boardwalks. At July 20, 2017 regular Walkable Novi Committee meeting, staff asked the committee whether to include proximity to boardwalk and maintenance as one of the ranking categories. Upon further discussion, it was determined that it does not generally affect all the segments and is applicable to only a few. The Committee directed the staff to note the missing segments that are adjacent to existing boardwalks as background information.

MAINTAINENCE

Once the non-motorized improvements are constructed, there's a 25 year lifecycle for concrete sidewalk, 20 year asphalt pathway and 15 year lifecycle of boardwalks. These improvements primarily depend on the extent of usage and regular maintenance. The Department of Public Services assigns 20,000 - 40,000 dollars annually out of the local road fund to maintain sidewalks and pathways. In addition, they receive another 10,000 dollars for boardwalk maintenance out of the City's general fund to maintain boardwalks throughout the City. Table 3.4 lists the typical cost estimate for installation, removal and maintenance for various types of non-motorized improvements. The cost may differ with other challenges that we encounter during our or contractor inspections.

Table 3.4: Sidewalk/Pathway and Boardwalk Maintenance Estimate

	Installation	Removal	Annual Maintenance
6 feet concrete Sidewalk	\$ 75 per ft.	\$ 20 per ft.	\$0.32 per feet (131811 ft pathways and 4836 ft sidewalk - \$44000 budget)
10 foot asphalt pathway	\$ 90 per ft.	\$ 20 per ft.	
Wooden boardwalk	\$ 700 per ft.	\$ 50 per ft.	\$1.90 per ft. (1 mile of boardwalk - \$10000 budget)
Composite boardwalk	\$1,200 per ft.	\$ 40 per ft.	Yearly Budget

Maintenance of Sidewalk/Pathway infrastructures are inspected on a yearly basis, with inspections to include.

1. Cracks in concrete/asphalt due to extreme temperature differences, tree roots and damage done by maintenance equipment in winter.
2. Frost heaving leading to discontinuity of sidewalk.
3. Poor concrete mixes.
4. Overhanging vegetation and encroachment.

Maintenance of boardwalks infrastructures are inspected biannually, with inspection to include.

1. Replacing rotting or weather checked side rails, landings, decking, balusters, posts and handrails.
2. Removing overhanging vegetation and clearing the boardwalks of Phragmites (which is an invasive species) by yearly spraying.
3. Installation of two transition plates on each end to abate tripping hazards, if necessary. Transition plates are a temporary fix to a developing problem.

BOARDWALKS

The City of Novi has a considerable amount of regulated wetlands throughout the City. One of our Master Plan goals is to protect and maintain the City's woodlands, wetlands, water features and open space. Our ordinance encourages minimal to no impact to regulated features. Thus, boardwalks play a major role in maintaining the pedestrian connectivity through the regulated wetlands. We have a total of thirty four boardwalks through the City as listed in Table 3.5. Of them, three numbers 4, 9, 34 are not connecting sidewalks one side, and two boardwalks #35 and #27 sidewalks ends. It costs about 27 - 35 dollars per square foot to install a linear foot of boardwalk (including handrails with footing/ pier supports priced separately). Helical piers are in the range of 800 - 1,200 dollars each including support brackets, and are based on a maximum depth of 15'. It costs about 70 - 90 dollars per square feet to remove and reinstall the boardwalk with new lumber and helical piers. The unit pricing is substantially dependent on the site conditions, construction methods, accessibility, and the total size/scope of the desired work.

As is evident from the estimates, removal is more expensive than installation. When a boardwalk does not connect to other pedestrian improvements, it leads to under usage of these structures and may result in removal. In some cases, we have closed access to certain boardwalks from public use to avoid further deterioration. Staff will pay much closer attention to segments, whose completion would serve the purpose of existing boardwalks and avoid expensive removals. City Engineering staff is currently working on researching alternate materials such as composites on handrails, alternatives to balusters, installation techniques using Helical piers and adjustable pilings for boardwalk construction, other than wood to minimize the frequency of maintenance and cost of construction. CIP budget for 2018-24 has assigned an amount \$50,000 for boardwalk extension, repairs and replacement program.



Boardwalk # 20: Unsafe boardwalk, located west side Beck, north of Cider Mill

TABLE 3.5: Existing Boardwalks Inventory

Section No.	Asset ID	#	Location	Street Name	Width	Length in feet (Approx)	Adjacent Future Segment
27	BKS-10008	3	S side 10 W Whitehall Senior Center	10 Mile	8	510	0
22	BKS-10009	4	N of 10 Mile W of Novi Rd	10 Mile	8	178	62
22	BKS-10019	5	N of 10 Mile E of Church Hill Blvd	10 Mile	8	64	0
26	BKS-010034	22	Ten Mile West of Quince Dr	10 Mile	8	304	0
26	BKS-010035	21	Ten Mile East of Pheasant Run	10 Mile	8	231	0
17	BKS-10004	6	North of 11 Mile West of Beck	11 Mile	8	255	0
17	BKS-010023	23	North of 11 Mile East of Wixom	11 Mile (ITC Corridor West of Medilodge)	10	61	0
17	BKS-010026	24	North of 11 Mile East of Wixom	11 Mile (ITC Corridor West of Medilodge)	14	43	0
18	BKS-010036	31	12 Mile West of Wixom Rd	12 Mile Rd (Catholic Central)	8	195	0
35	BKS-10011	1	S of 9 Mile E of Roethel Dr	9 Mile	8	53	0
35	BKS-10012	2	S of 9 Mile at Fire Station #5	9 Mile	8	205	0
20	BKS-10007	10	West side Beck North of Cider Mill	Beck Rd	8	438	0
29	BKS-10013	11	West of Beck North of 9 Mile	Beck Rd	8	430	0
32	BKS-10014	20	West side of Beck South of Bellagio	Beck Rd	8	218	0
16	BKS-10015	9	Beck Rd South of Central Park	Beck Rd	8	164	38
16	BKS-10016	8	Beck Rd South of Vision Spa	Beck Rd	8	223	0
32	BKS-010038	34	Beck South of 9 Mile	Beck Rd	8	24	110b, 112
31	BKS-010037	35	ITC Trail West of Garfield	Garfield	14	529	0
6	BKS-10017	18	North of Grand River E of Beck	Grand River	8	123	0
24	BKS-10002	12	E of Meadowbrook S of Vincenti Ct	Meadowbrook	8	73	0
26	BKS-10010	13	W Meadowbrook N Penton Rise Ct	Meadowbrook	8	34	0
11	BKS-010024	7	West side of Meadowbrook N of 12	Meadowbrook	8	331	0
19	BKS-010027	33	East Side of Napier South of Seaglen Dr	Napier Rd	8	220	0
18	BKS-010028	27	East Side of Napier South of Novi Meadows Blvd	Napier Rd	8	88	44
19	BKS-010030	32	Napier West of Denali Ct	Napier Rd	10	45	0
19	BKS-010032	29	Ten Mile East of Napier	Napier Rd	8	51	0

19	BKS-010033	30	Ten Mile West of Denali Ct	Napier Rd	8	50	0
10	BKS-10000	15	West of Novi South of 12 1/2 Mile	Novi Rd	8	504	0
10	BKS-10001	14	West of Novi North of 12 Mile	Novi Rd	8	423	0
27	BKS-010025	25	West of Novi SW of Lidstrom	Novi Rd	8	33	0
2	BKS-010029	28	Fishing Pier at Pavilion Shore Park	Pavilion Shore Park	10	113	0
16	BKS-10020	19	West of Taft South of Andes Ct	Taft Rd	8	237	0
18	BKS-10005	16	West of Wixom next to Lift Station	Wixom Rd	8	72	0
18	BKS-10006	17	West of Wixom South of Island Lake	Wixom Rd	8	258	0
18	BKS-10018	TBD	E of Napier S of Knightsbridge	Napier Rd	8	597	44
18	BKS-10021	TBD	E of Napier N of Knightsbridge	Napier Rd	8	59	0
19	BKS-010031	26	Napier North of 10 Mile	Napier Rd	10	286	0
27	BKS-010042	36	PD Stairway	Civic Center	10	25	0
Total Linear feet of existing boardwalk						7,751	



Boardwalk # 9: Dead-end boardwalk, currently closed, located east side of Beck Rd, south of Central Park

Chapter 4: NON-MOTORIZED PLAN 2016- 2017 UPDATE

Completed Non-Motorized Improvements and Top 20 Priority Pathway and Sidewalk Segments are only part of the overall Non-Motorized Plan for the City of Novi.

In 2011, in an effort to further expedite the non-motorized planning efforts, the City Council contracted with the Greenway Collaborative to produce a comprehensive Non-Motorized Master Plan to expand on the Pathway and Sidewalk Prioritization Analysis and Plan. The Non-Motorized Master Plan provides recommendations for in-road facilities, sidewalks, trails, road crossings, design standards, priority considerations, funding, and non-motorized routes. This plan, financed with Federal Energy Efficiency Conservation Block Grant funds, includes an expanded implementation strategy to help the City continue its efforts to provide a safe, convenient and enjoyable environment for bicyclists, pedestrians and other non-motorized users while demonstrating the potential energy savings new facilities could provide.

Each year, as part of the Annual Non-Motorized Prioritization process, the Walkable Novi Committee reviews the following map and tables to ensure that the City is working towards successful implementation of this important plan. Potential sidewalk and pathway segments that need to be constructed were identified and placed into the "Pathway and Sidewalk Prioritization Worksheet." See Table 4.4 for more details. Tables 4.1 through 4.3 provide an inventory of proposed non-motorized inventory throughout the City which is not part of the Prioritization spreadsheet. The list includes off-road recreational pathways, neighborhood connector roads and proposed crossing etc. Items that are constructed (or under construction) as of current year of the update are removed from the tables. The construction of these projects are undertaken as part of the road integration projects or as city or other funding sources become available.

- Map 3: Non-Motorized Plan 2016-17 Update
- Table 4.1: Summary of the Proposed Non-Motorized Improvements as of 2016
- Table 4.2: Proposed Off-Road Recreational Pathways and On-Road Regional Pathway
- Table 4.3: Proposed Crossings
- Table 4.4: Proposed Neighborhood Connector Routes
- Table 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings
- Table 4.6 Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 2 Category Rankings

TABLE 4.1: Summary of the Proposed Non-Motorized Improvements as of 2016

Type	# of Segments/ Crossings	Length (mi.)	Length (ft.)
Off-Road Recreational Pathways	52	20	106,974
On- Road Recreational Pathways	9	5.2	27,746
Dirt Trails to be Paved	7	2.3	12,086
Crossings	55		
Neighborhood Connector Routes	81	37.9	200,023
Pathways And Sidewalks Adjacent To Major Roads	124	42.6	224,745

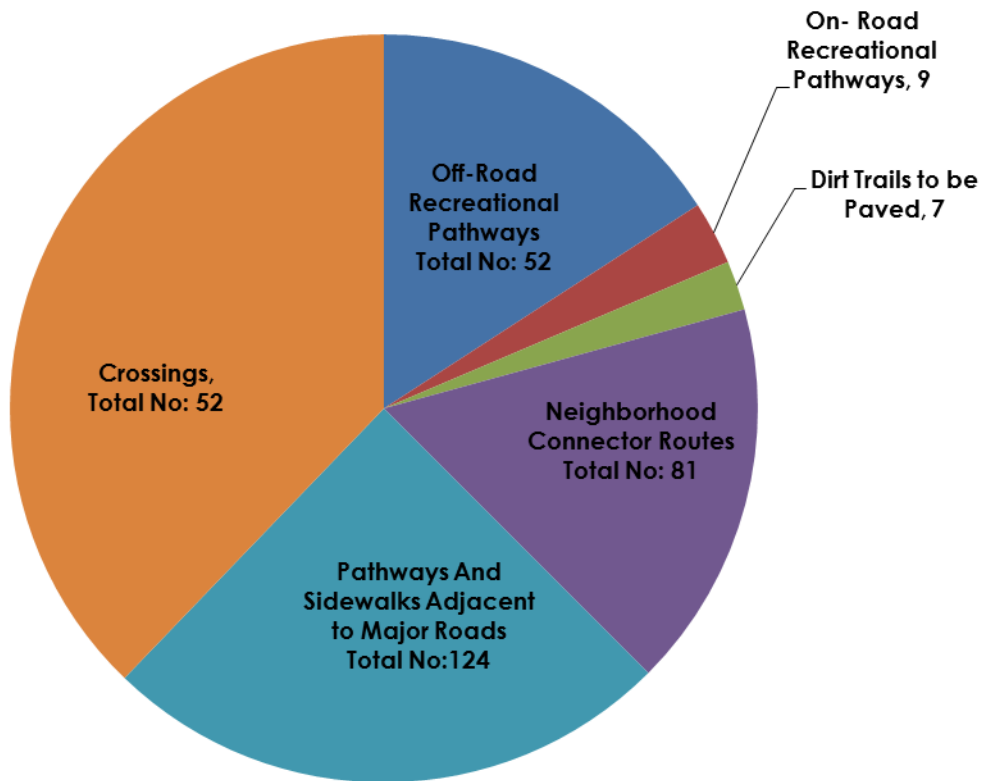


Figure 4.1: Summary of the Proposed Total Non-Motorized Improvements as of 2016 by count



Segment # 4064: Regional pathway connecting the ITC trail at ITC Community sports park to Eightmile road, currently under construction



Segment # 4064: Connection at the beginning of ITC Trail currently under construction (left); in 2016 (right)

TABLE 4.2: Proposed Off-Road Recreational Pathways and On-Road Regional Pathway



Legend

No Mo Phase=: Former Top 20=0, Initial=1, Major Corridor=2, Neighborhood Connector=3

Surface: C=concrete, A=asphalt, D=dirt

Classification: L=local, R=regional, P=park

PR=Planned Regional; PP=Planned Paved; PF= Planned Foot Trail; OR=On-Road Regional; DP= Dirt to be paved

 Scheduled Segment  CIP Budget Year

Segment Item #	Section #	No Mo Phase	Type	Location	From / To	Length (ft.)	Width (ft)	Surface	Classification	CIP Budget Year or Scheduled Segment Notes
Off-Road Trails & Paths										
4064	31	2	PR	ITC Sports Center Park	ITC to Eight Mile	3,259	10	A	R	17-18 CIP; TAP Grant Awarded
4014	17	3	PP	Wildlife Woods Park	ITC to Wixom	3,393	10	A	P	
4077	23	1	PP	Main St path	Capitol to Cherry Hill	779	10	A	P	
4296	27	0	PP	Civic Center	Ten Mile to Novi Way	420	5	C	P	
4002	30	2	PR	Undeveloped Park/ ITC Corridor	Nine to Ten Mile	3,647	10	A	R	19-20 CIP; Greenway Phase 1B
4295	27	0	PP	Civic Center/ Power Park	Novi Way to play ground	676	5	C	P	was seg 127B
4030	26	1	PP	Orchard Hills West	Mallot to Chattman	860	10	A	L	NC-3
4010	3	2	PR	Lakeshore Park	Parking lot to 12 1/2	3,513	10	A	L	
4011	3	2	PR	Lakeshore Park	West Park to parking lot	5,759	10	A	R	
4012	15	2	PP	I-96	RR to Meadowbrook	9,677	10	A	L	
4020	25	2	PP	Village Wood Lake	Meadowbrook to Village Wood	1,147	10	A	L	
4022	27	2	PP	Power Park	Taft to existing path	1,772	10	A	P	
4023	27	2	PP	Power Park	Jonathan to park path	1,079	10	A	P	
4028	17	2	PP	Beck to ITC	ITC to Cheltenham	1,878	10	A	L	
4037	26	2	PP	Orchard Hills West	Meadowbrook to Balcombe	1,804	10	A	L	
4039	26	2	PP	Novi Ridge Orchard Hills	Balcombe to RR	1,068	10	A	L	
4040	26	2	PP	Ice Arena	RR to River Oaks	1,540	10	A	L	
4049	4	2	PR	Beck North	Spring Lake to West Park	4,209	10	A	R	
4050	4	2	PR	The Springs Apartments	Fireside to Beck North	1,256	10	A	R	
4066	3	2	PR	Lakeshore Park	Parking to South Lake	1,388	10	A	R	

TABLE 4.2: Proposed Off-Road Recreational Pathways and On-Road Regional Pathway



Legend

No Mo Phase=: Former Top 20=0, Initial=1, Major Corridor=2, Neighborhood Connector=3

Surface: C=concrete, A=asphalt, D=dirt

Classification: L=local, R=regional, P=park

PR=Planned Regional; PP=Planned Paved; PF= Planned Foot Trail; OR=On-Road Regional; DP=Dirt to be paved

 Scheduled Segment  CIP Budget Year

Segment Item #	Section #	No Mo Phase	Type	Location	From / To	Length (ft.)	Width (ft)	Surface	Classification	CIP Budget Year or Scheduled Segment Notes
4067	3	2	PR	Lakeshore Park	trail head to parking	291	10	A	R	
4005	17	3	PP	ITC Corridor	s. Providence to Mid Providence	1,999	10	A	L	
4006	17	3	PP	ITC Corridor	Grand River to 12 Mile	773	10	A	R	
4007	17	3	PP	Providence Park Hospital	Central Providence to Grand River	1,366	10	A	R	
4015	29	3	PP	Nottingham Woods	Woodworth to ITC	1,777	10	A	L	
4016	20	3	PP	Mockingbird	Sandpiper to ITC	557	10	A	L	
4017	22	3	PP	East of Taft Rd.	Kerri to Taft a	1,590	10	A	L	
4018	22	3	PP	Cedar Springs	Kerri to Taft b	312	10	A	L	
4021	26	3	PP	River Oaks	Portage Way east boundary	353	10	A	L	
4024	27	3	PP	Dunbarton Pines	midway to Park	2,002	10	A	L	
4025	11	3	PP	Tollgate Farms	Steinbeck to 12 Mile	4,407	10	A	L	
4026	21	3	PP	Yorkshire to Taft Rd	Emerald Forest to Taft	767	10	A	L	
4027	35	3	PP	Chase to Novi Rd.	Novi to Asbury	306	10	A	L	
4031	2	3	PP	Maples Chateau Estates	Independence to La Roi	1,270	10	A	L	
4033	27	3	PP	Orchard Ridge Arowon	Greening to Algonquin	787	10	A	L	
4035	26	3	PP	Whispering Meadows Orchard Hill	Sovoio to Orchard Hills	1,324	10	A	L	
4038	27	3	PP	Arrowon Pines	Algonquin to Mystic Forest	135	10	A	L	
4041	26	3	PP	Orchard Hill	Tammera to Aspen	578	10	A	L	
4042	25	3	PP	Willowbrook	Le Bost to Park	324	10	A	L	
4044	36	3	PP	Haverhill Maples	Collingdale to Kingsley	2,807	10	A	L	
4045	19	3	PP	Knightsbridge Old Dutch	Victoria to Island Lake	2,832	10	A	L	
4046	22	3	PP	Churchill to Clark	Clark to Thatcher	147	10	A	L	

TABLE 4.2: Proposed Off-Road Recreational Pathways and On-Road Regional Pathway



Legend

No Mo Phase=: Former Top 20=0, Initial=1, Major Corridor=2, Neighborhood Connector=3

Surface: C=concrete, A=asphalt, D=dirt

Classification: L=local, R=regional, P=park

PR=Planned Regional; PP=Planned Paved; PF= Planned Foot Trail; OR=On-Road Regional; DP=Dirt to be paved

 Scheduled Segment  CIP Budget Year

Segment Item #	Section #	No Mo Phase	Type	Location	From / To	Length (ft.)	Width (ft)	Surface	Classification	CIP Budget Year or Scheduled Segment Notes
4047	15	3	PP	CSX	under 96	403	10	A	L	
4048	15	3	PP	I-96	Taft to RR	2,065	10	A	L	
4051	11	3	PP	Tollgate Woods	Steinbeck to west	164	10	A	L	
4052	11	3	PP	Tollgate Woods to Vista	Steinbeck to Sandstone	646	10	A	L	
4053	21	3	PP	Walden Simmons Orchard	Arcadia to Cidermill	1,137	10	A	L	
4054	22	3	PP	Legacy Park	10 Mile to Laurel	2,766	10	A	L	
4055	22	3	PP	Churchill to Novi Rd	Thatcher to Novi	1,624	10	A	L	
4063	16	3	PP	Taft Rd	GR to 96	1,373	10	A	L	
4116	4	3	PR	Portsmouth	Pontiac Trail to Spring Lake	1,198	8	A	R	
4198	30	3	PP	Singh Trail	10 to 9 mile	10,106	10	A	L	
Off-Road Trails & Paths Total						86,006				
Planned On-Road Regional										
4340	12	2	OR	Thirteen Mile S. side	M-5 to Meadowbrook	2,817	10	A	R	19-20 Metro Connector Phase 2
4341	11	3	OR	Meadowbrook E. side	12 to 13 Mile	5,117	10	A	R	
4345	9	3	OR	West Park W. side	West to 12 Mile	4,982	10	A	R	
4348	16	3	OR	Beck E. side	GR north 250 ft	250	10	A	R	
4343	17	3	OR	Eleven Mile N. side	ITC to Wixom	2,550	10	A	R	
4346	17	3	OR	Beck E. side	Providence to Grand River	2,200	10	A	R	
4344	19	3	OR	Wixom W. side	590 ft N. of Ten Mile to Eleven Mile	4,752	10	A	R	
4351	19	3	OR	Wixom W. side	Ten Mile 590 ft north	590	10	A	R	was seg 48
4347	9, 16	3	OR	Beck E. side & 12 Mile S. side	Bank, I-96, West Park	4,488	10	A	R	was seg 151 & 161
Planned On-Road Regional Total						27,746				
Dirt Trails to be Paved										
4297	27	2	DP	Power Park		1,185	10	A	P	
4298	27	2	OR	Power Park		853	10	A	P	

TABLE 4.2: Proposed Off-Road Recreational Pathways and On-Road Regional Pathway



Legend

No Mo Phase=: Former Top 20=0, Initial=1, Major Corridor=2, Neighborhood Connector=3

Surface: C=concrete, A=asphalt, D=dirt

Classification: L=local, R=regional, P=park

PR=Planned Regional; PP=Planned Paved; PF= Planned Foot Trail; OR=On-Road Regional; DP=Dirt to be paved

 Scheduled Segment  CIP Budget Year

Segment Item #	Section #	No Mo Phase	Type	Location	From / To	Length (ft.)	Width (ft)	Surface	Classification	CIP Budget Year or Scheduled Segment Notes
4299	35	3	OR	Rotary Park		3,294	10	A	P	
4300	35	3	OR	Chase Farms		596	10	A	P	
4301	35	3	OR	Rotary Park		2,577	10	A	P	
4302	35	3	OR	Chase Farms		2,831	10	A	P	
4303	35	3	OR	Rotary Park		750	10	A	P	
Dirt Trails To Be Paved Total						12,086				

TABLE 4.3: Proposed Crossings

Crossing Item #	No Mo Phase	Proposed	Location	Notes
5131	0	ramps crosswalks	Twelve Mile & Haggerty	NW to NE, NW to SW & SW to SE previously identified in PSPAP
5132	0	ramps crosswalks	Beck & Eleven Mile	NW to NE & NE to SE previously identified in PSPAP with ADA
5133	0	ramps crosswalks	Wixom & Eleven Mile	
5142	0	ramps crosswalks	Ten Mile & Churchill	NW to SW & NE to SE previously identified in PSPAP with ADA
5024	1	crosswalk & signals	Twelve Mile & Donelson	
5026	1	crosswalk & signals	Twelve Mile & Cabaret	
5059	1	ramps cross signals	M-5 & Fourteen Mile west	SW to SE with pathway seg 1
5060	1	ramps cross signals	M-5 & Fourteen Mile east	SW to SE with pathway seg 1 NE to SE with Commerce
5061	1	crosswalk & signals	Haggerty & JR	NW to NE with seg 25
5064	1	ramps crosswalk	Twelve Mile & Meadowbrook south	SW-NW w/path seg 30 or 29
5001	2	mid-block	Novi & Algonquin	signage, ramps and crosswalk with neighborhood connector route seg 9067 mid block crossing with road project

TABLE 4.3: Proposed Crossings

Crossing Item #	No Mo Phase	Proposed	Location	Notes
5012	2	mid-block	Meadowbrook north of Chattman	with local off road path seg 3020 & 3037
5027	2	mid-block	Eleven Mile & ITC path	signage, ramps and crosswalk with foot trail seg 3004 mid block crossing with road project
5029	2	ramps signs	Nine Mile & ITC path	
5030	2	ramps signs	Garfield & ITC path	
5039	2	bike crossing signs	Twelve Mile & West Park	with regional trail seg 122d
5048	2	mid-block	Taft & White Pines	signage, ramps and crosswalk with neighborhood connector route seg 9006 mid block crossing with road project
5056	2	NW to SW & NE to SE	West Park & West	NW- SW w/regional seg 3049 NE-SE w/path seg 8
5002	3	mid-block	Nine Mile west of Center	signage, ramps and crosswalk with neighborhood connector route seg 9128 mid block crossing with road project
5003	3	mid-block	Nine Mile & Ennishore	signage, ramps and crosswalk with local path seg 3034 or neighborhood connector route seg 9058 mid block crossing with road project
5005	3	mid-block	Ten Mile west of Ripple Creek	with neighborhood connector route seg 9124
5006	3	mid-block	Ten Mile & Hampton Hill	with neighborhood connector route seg 9007 & 9070
5008	3	crosswalk & signs	Thirteen & Plateau	with neighborhood connector route 9052
5010	3	mid-block	Meadowbrook & Marks	signage, ramps and crosswalk and crosswalk with neighborhood connector route seg 9043 or 9103 mid block crossing with road project
5011	3	mid-block	Novi & Galway	with neighborhood connector route seg 9071
5013	3	ramps signs	Nine Mile & Singh	with foot trail seg 3001
5015	3	mid-block	Wixom & Delmont	with neighborhood connector route seg 9016
5017	3	mid-block	Taft & Galway	signage, ramps and crosswalk with neighborhood connector route seg 9046 mid block crossing with road project
5018	3	mid-block	Taft & Addington	signage, ramps and crosswalk with local off-road path seg 3022 mid block crossing with road project
5019	3	mid-block	Taft & Novi Woods	signage, ramps and crosswalk with off-road path 4017 mid block crossing with road project

TABLE 4.3: Proposed Crossings

Crossing Item #	No Mo Phase	Proposed	Location	Notes
5020	3	ramps cross signs	West Park & Bristol	with neighborhood connector route signage and crosswalk
5021	3	mid-block	Nine Mile & Darcey	signage, ramps and crosswalks with neighborhood connector route seg 9046 mid block crossing with road project
5022	3	mid-block	Ten Mile & Simmons	with neighborhood connector route seg 9020
5023	3	mid-block	Fourteen Mile & Kingswood	with road project
5025	3	ramps cross signals	Twelve Mile & Twelve Oaks	with local off road trail seg 3025
5028	3	mid-block	Ten Mile & ITC path	with foot trail seg 3004
5031	3	mid-block crossing	Twelve Mile & ITC path	with regional trail segment 3006
5032	3	mid-block crossing	Grand River & ITC path	with regional trail segment 3006
5036	3	ramps crosswalk	Eleven Mile & Arcadia	with neighborhood connector route seg 9053
5040	3	crosswalk & signals	Twelve Mile & Taft	with road project
5041	3	mid-block	Grand River & Fountain Park	with road project
5042	3	mid-block	Grand River west of Karim	with road project
5045	3	mid-block	Taft north of Byrne	with road project
5046	3	mid-block	Nine Mile west of Connemara	with road project
5047	3	mid-block	Taft & Dunbarton	with road project
5050	3	mid-block	Ten Mile & Bramblewood	with road project
5051	3	mid-block	Ten Mile & Linwood	with road project
5052	3	mid-block	Nine Mile & Autum Park	with road project
5053	3	mid-block	Beck north of Stratford	with road project
5054	3	mid-block or signals	Wixom & Glenwood or Deerfield	Completed. New traffic signal & non-motorized mid-block crossing
5055	3	mid-block	Novi & Ledgeview	with road project
5057	3	ramps crosswalk	Fourteen & Novi	SE to NE with road or ADA project
5058	3	ramps cross signal	Fourteen & Welch	with road or ADA project
5062	3	ramp signal improv	Beck & Pontiac Trail	with ADA project
5063	3	crosswalk signs	Beck & Tamarack	with road project
55		TOTAL PLANNED CROSSING IMPROVEMENTS		

TABLE 4.4: Proposed Neighborhood Connector Routes

Segment Item #	No Mo Master Plan Priority	Location	From/To	Length (ft.)	Notes
9067	0	Algonquin Little Falls	Little Rapids west	2,521	
9060	0	Bristol	West Park to Pennington	1,713	
9113	0	Caberet	Twelve Mile to Fountainwalk	2,427	
9047	0	Chellenham	Novi west	2,120	
9112	0	Dixon	Twelve Mile to 12 1/2 Mile	2,688	
9071	0	Galway	Center to Novi	2,715	
9069	0	High Meadow	Greening to Jonathan	1,017	
9008	0	Jonathan	High Meadow to west end	297	
9031	0	Village Wood	Heatherbrie to School	876	
9049	0	Village Wood	School to Haggerty	3,720	
9006	0	White Pine	Taft to Moorgate	2,778	
9009	0	White Pine	Beck to Moorgate	3,488	
9034	1	Addington	Taft to Devonshire	602	
9019	1	Addington Jaslyn	Westmont 10 to Devonshire	2,917	
9123	1	Bethany Cherry Hill	Brenda to Highlands	5,984	
9124	1	Bethany Ripple Creek	MaudeLea to Brenda	3,238	
9103	1	Broquet Glenn Haven	Meadowbrook to 8 Mile	4,287	
9094	1	Center	Galway to Northville	483	
9127	1	Christina Sussex	Sullivan to Churchill link	715	
9021	1	Cidermill	Beck to Riverview Ln	3,972	
9145	1	Clark	Eleven Mile south end	2,613	
9082	1	Congress	Constitution to Capitol	759	
9057	1	CortlandHickoryGrove	Ten Mile to Russet Power Park	1,596	
9025	1	Eleven_Clark	Taft to Grand River	3,739	
9140	1	Emerald Forest	school link to west end	1,037	
9029	1	Flint	bend to Grand River	213	
9028	1	Flint_Main	Potomic to bend in Flint	2,595	
9046	1	Galway	Hillridge to Dartmouth	7,058	
9075	1	Galway	Nine Mile to Dartmoor	530	
9129	1	Galway	Center to Hillridge	621	
9043	1	HeatherbraeMarks	Meadowbrook to Villagewood	6,138	
9054	1	Kerri_Sullivan	west end to Christine	1,012	
9072	1	Moorsgate	White Pine to Thornton School	713	
9027	1	Potomic	Main to Congress	1,025	
9020	1	RiverviewSimmons	Ten Mile to Cidermill	3,596	
9126	1	SealyJosephBrenda	Eleven Mile to Bethany	4,604	
9041	1	Seely_Old11	Eleven Mile to 275 trail	713	
9056	1	ThatcherCavendish	Sussex link to 10 Mile	2,631	
9090	2	Eleven Mile	verizon access to Town Center	1,860	
9125	2	Eleven Mile	Meadowbrook to Sealey	2,726	
9053	2	Arcadia	Eleven Mile to end	1,569	

TABLE 4.4: Proposed Neighborhood Connector Routes

Segment Item #	No Mo Master Plan Priority	Location	From/To	Length (ft.)	Notes
9134	2	Arcadia	Cordoba to west end	1,675	
9119	2	Bristol	West Park west part off road	3,060	
9012	2	Brownstone	Meadowbrook to Hemingway	1,105	
9058	2	Chase	Reindeer to 9 Mile	1,436	
9026	2	Crescentwood Drakes Bay	Glenwood ReyesPoint loop	16,523	
9001	2	Eleven Mile	Meadowbrook to Verizon access	1,880	
9042	2	Ennishore Balcombe	Nine Mile to Chattman	2,699	
9044	2	Fawn ReinDeer	Meadowbrook to Nine Mile	1,867	
9111	2	Garfield	ITC to Eight Mile	5,596	
9007	2	HamptonHill Ridge	Cherry Hill to Ten Mile	2,563	
9052	2	Liberty Montmorency	Chateau to LaRoi	2,435	
9128	2	NorthHill Midway	Danbarton to Galway	3,983	
9011	2	Plateau Hemingway Wolf	Burroughs to Liberty	2,474	
9070	2	Quincey Tamara	Ten Mile to school	1,252	
9015	2	Reeds Pointe Kelsey	Drakes Bay to Wixom	1,894	
9066	2	Silvery	Borchart to Orchard Park cut	940	
9010	2	Steinbeck	Crane to Burroughs	1,418	
9098	2	Thatcher	at eyebrow	179	
9143	2	Thatcher	Clark link to Novi link	899	
9101	2	Town Center Main	Eleven Mile to Potomic	1,417	
9122	2	Twelve Oaks	East loop	4,093	
9133	2	Waverly Independence	Novi to Chateau link	581	
9121	3	12 1/2 Mile	All	2,696	
9013	3	12 Mile	Grand River to Napier	4,616	
9107	3	AlbertKnightsbridge	Twelve Mile Island Lake link	2,416	
9051	3	AmyLadeneSavoie	Orchard Hill link to Meridian	4,051	
9014	3	ApplebrookeRoberts	Deer Run to Nine Mile	2,885	
9018	3	CiderMill Sandpiper	Beck to ITC connector	2,688	
9110	3	Deer Run	Garfield to Applebrooke	2,238	
9016	3	Delmont	Wixom to Woodworth	1,545	
9093	3	Galway	Novi to Center	2,715	
9139	3	Hillside Sunday	Nine Mile to Roberts	2,242	
9132	3	Independance	Sleepy Hollow to Chateau link	606	
9106	3	KingswoodKingsley	Fourteen Mile Chateau link	2,380	
9138	3	LaurelTorino	Nine Mile to Links of Novi	3,531	
9142	3	Orchard Hill	Eight Mile to Whispering link	2,314	
9120	3	Sandstone	Novi to Tollgate link	2,040	
9104	3	SleepyHollow Colling	Independence to HaverHill link	1,743	
9136	3	Terra Del Mar	Ten Mile to Drakes Bay	2,900	
9017	3	Woodworth	Delmont to ITC loop	542	
Total Planned Routes (ft.)				200,023	

**MAP 3:
Non-Motorized Plan 2016-2017 Update**

TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings

All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																																									
OVERALL SEGMENT RANK	Segment Item #	Section #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN	TOTAL TIER 1 POINTS	TIER 1 RANKING																	
																									Short Segments (400 ft or less)	Scheduled Segment	CIP Budget Year	points available per category													
																									Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity	Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity	5 points = 1 accident 10 = 2 accidents 15 = 3 accidents 20 = 4 or more accidents	0 = <10K ADTs", 5 = 10K-20K ADTs 10 = >20K ADTs Then multiplied by 1<35mph, 1.2 for 35-40mph & 1.5 for >=45 mph	4.5 = 1 school 9 = 2+ schools	4 = 1 park 8 = 2+ parks	3.5 = 1 hotel 7 = 2+ hotels	3.5 = 1 shopping area 7 = 2+ shopping areas	3.5 = 1 places of worship 7 = 2+ places of worship	3.5 = connecte d to neighboring sidewalk system 7 = connecte d to regional trail system	0 = low density 8 = medium density 16 = high density	3.5 = 1/2 to 1 mile 7 = over 1 mile	5 = top 15 survey responses , resident petitions & documented segments requeste d by groups & govt agencies	20 = initial investme nt 15 = major corridor			
1	81B	23	P	south	Ten Mile	Willowbrook	Haggerty	1	2,750	23-24	20	7.5	9	8	0	7	7	3.5	16	7	5	20	110	1																	
1	80B	24	S	north	Ten Mile	Meadowbrook	Willowbrook Estates	1	189		10	7.5	9	8	0	7	7	3.5	16	7	5	20	100	3																	
3	120A	36	S	west	Haggerty	Eight Mile	N of Orchard Hill	2	1,390	18-19	15	15	4.5	0	7	7	3.5	7	16	7	0	0	82	10																	
4	81A	25	P	south	Ten Mile	Meadowbrook	Willowbrook	1	2,530	23-24	20	7.5	9	8	0	7	7	3.5	16	0	5	20	103	2																	
5	39	17	P	west	Beck	Eleven Mile	Providence	1	76	18-19	10	15	9	4	3.5	3.5	0	0	8	7	0	15	75	18																	
6	62	22	S	north	Ten Mile	Eaton Center	Churchill Crossing	1	400	21-22	0	7.5	9	8	0	3.5	7	0	16	7	5	20	83	7																	
7	84B	25	S	east	Meadowbrook	Nine Mile	Chattman	1	2,050	23-24	0	7.5	9	8	0	3.5	7	0	16	7	5	20	83	7																	
7	93B	27	S	north	Nine Mile	Plaissance	Taft	2	650	23-24	10	0	9	8	0	3.5	0	0	16	7	5	20	78.5	15																	
9	119A	36	S	east	Meadowbrook	Nine Mile	Singh Blvd	1	1,300	21-22	5	0	9	8	0	0	7	3.5	16	0	5	20	73.5	19																	
10	25	13	S	west	Haggerty	Twelve Mile	section line	2	4,300	23-24	10	7.5	9	0	3.5	3.5	0	3.5	16	0	0	20	73	22																	
11	82B	25	S	west	Haggerty	Pavilion Ct Apartments	Nine Mile	1	492		10	15	4.5	4	3.5	3.5	7	7	16	7	5	0	82.5	9																	
12	70	23	P	west	Meadowbrook	Eleven Mile	Gateway Village	3	900	18-19	5	7.5	9	0	3.5	7	3.5	7	16	3.5	5	15	82	10																	

Legend S= 6 ft. sidewalk P= 8 ft. pathway

- Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity
- Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity
- Short Segments (400 ft. or less)
- Scheduled Segment
- CIP Budget Year
- Deferred until construction

TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																																												
OVERALL SEGMENT RANK	Segment Item #	SECTION #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN	TOTAL TIER 1 POINTS	TIER 1 RANKING																				
																									Short Segments (400 ft or less)	Scheduled Segment	points available per category																	
																									CIP Budget Year		5 points = 1 accident 10 = 2 accidents 15 = 3 accidents 20 = 4 or more accidents	0 = <10K ADTs", 5 = 10K-20K ADTs 10 = >20K ADTs Then multiplied by 1<35mph, 1.2 for 35-40mph & 1.5 for >=45 mph	4.5 = 1 school 9 = 2+ schools	4 = 1 park 8 = 2+ parks	3.5 = 1 hotel 7 = 2+ hotels	3.5 = 1 shopping area 7 = 2+ shopping areas	3.5 = 1 places of worship 7 = 2+ places of worship	3.5 = connecte d to neighbori ng sidewalk system 7 = connecte d to regional trail system	0 = low density 8 = medium density 16 = high density	3.5 = 1/2 to 1 mile 7 = over 1 mile	5 = top 15 survey responses , resident petitions & document ed segments requeste d by groups & govt agencies	20 = initial investme nt 15 = major corridor						
12	119C	36	S	east	Meadowbrook	Eight Mile	N of Llewelyn	1	1,200	21-22	5	0	9	8	0	0	7	3.5	16	7	5	20	80.5	14																				
14	119B	36	S	east	Meadowbrook	Singh Blvd	N of Llewelyn	1	1,300	21-22	5	0	9	8	0	0	7	3.5	16	0	5	20	73.5	19																				
15	121A	36	P	south	Nine Mile	Meadowbrook	Sunrise	1	2,900		5	0	9	8	0	7	7	7	16	0	5	20	84	5																				
15	121B	36	P	south	Nine Mile	Sunrise	Haggerty	1	2,380		5	0	9	8	0	7	7	7	16	0	5	20	84	5																				
17	120B	36	S	west	Haggerty	Orchard Hill	High Pointe	1	375	18-19	15	15	4.5	0	7	7	3.5	7	16	7	0	0	82	10																				
18	90	26	P	south	Ten Mile	Novi Rd.	Maly Dental	1	2,319	23-24	5	7.5	9	8	0	7	7	0	16	7	5	20	91.5	4																				
19	84A	25	S	east	Meadowbrook	Ten Mile	Chatman	1	2,350	23-24	0	7.5	9	8	0	3.5	7	0	16	0	5	20	76	17																				
20	120C	36	S	west	Haggerty	High Pointe	Nine Mile	1	600	18-19	15	15	4.5	0	7	7	3.5	7	16	7	0	0	82	10																				
21	66	23	P	south	Grand River	Sixth Gate	Main Street	2	312	18-19	20	7.5	9	0	7	7	0	0	16	7	0	0	73.5	19																				
22	79	24	S	east	Meadowbrook	Ten Mile	Grand River	3	2,000		15	7.5	9	8	3.5	7	7	0	8	7	5	0	77	16																				
23	64	22	S	east	Taft	Ten Mile	Eleven Mile	2	3,840	23-24	15	0	9	8	3.5	0	7	0	16	7	5	0	70.5	23																				
24	99A	29	P	south	Ten Mile	Wixom	400' E of Lynwood	1	2,900	23-24	5	7.5	9	4	0	3.5	7	0	8	0	5	20	69	24																				

Legend S= 6 ft. sidewalk P= 8 ft. pathway

Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity

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Short Segments (400 ft. or less) Scheduled Segment CIP Budget Year Deferred until construction

TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings

All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																																									
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24	99B	29	P	south	Ten Mile	400' E of Lynwood	Beck	1	1,100	23-24	5	7.5	9	4	0	3.5	7	0	8	0	5	20	69	24																	
26	6	3	P	west	West Park	Bristol Corners	Pontiac Trail	3	2,100		20	0	9	4	0	3.5	0	3.5	16	7	5	0	68	26																	
27	169	17	P	west	Beck	across 96		1	1,346		5	15	9	4	0	7	0	0	0	7	5	15	67	27																	
27	72	23	P	north	Grand River	Town Center	Amstaff building	1	830		10	7.5	9	0	7	7	3.5	0	16	7	0	0	67	27																	
29	38	16	S	east	Beck	Eleven Mile	Grand River	2	2,100	23-24	15	15	9	4	3.5	3.5	0	0	8	7	0	0	65	29																	
29	32A	15	S	west	Novi Rd.	I-96 north side	I-96 south side	1	1,612		15	15	9	0	7	7	0	0	0	7	5	0	65	29																	
31	68	23	P	south	Grand River	Funeral Home	Meadowbrook	1	800		10	7.5	9	0	3.5	7	3.5	0	16	7	0	0	63.5	31																	
32	87	26	S	north	Nine Mile	Meadowbrook	Venture	1	2,100		0	0	9	8	0	3.5	7	7	16	7	5	0	62.5	32																	
33	153	36	S	east	Haggerty	City limits	Taco Bell	1	520		10	15	0	0	0	7	0	7	16	7	0	0	62	33																	
34	97C	29	P	west	Beck	Iriquois	Ten Mile	1	990		15	7.5	9	4	0	3.5	7	0	8	7	0	0	61	34																	
35	44	18	P	east	Napier	Knights Bridge	Island Lake	1	2,700		10	0	9	0	0	0	0	0	8	3.5	10	20	60.5	35																	
35	88	26	S	north	Nine Mile	RR crossing	Novi Rd.	2	1,900	23-24	10	0	9	8	0	3.5	7	0	16	7	0	0	60.5	35																	
37	3	1	S	north	Thirteen Mile	Haggerty Rd.	M-5	2	1,800		10	0	9	0	0	0	3.5	7	8	7	0	15	59.5	37																	

Legend S= 6 ft. sidewalk P= 8 ft. pathway

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- Short Segments (400 ft. or less)
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- CIP Budget Year
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TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																																									
OVERALL SEGMENT RANK	Segment Item #	SECTION #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN	TOTAL TIER 1 POINTS	TIER 1 RANKING																		
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38	58B	21	S	east	Beck	Cider Mill	Sierra	1	2,600	0	7.5	9	4	3.5	3.5	3.5	0	16	7	5	0	59	38																		
38	168	14	P	east	Novi Rd.	across 96		1	2,077	0	15	9	0	7	7	0	0	16	0	5	0	59	38																		
38	18	11	S	north	Twelve Mile	Novi Rd.	Meadowbrook	1	5,280	10	7.5	9	0	7	7	3.5	0	8	7	0	0	59	38																		
41	112	33	S	east	Beck	Nine Mile	City Limits	1	1,400	10	15	9	0	0	0	3.5	0	16	3.5	0	0	57	41																		
41	21A	13	P	south	Twelve Mile	Meadowbrook	Energy Way	1	3,385	15	7.5	9	0	3.5	7	3.5	3.5	8	0	0	0	57	41																		
41	21B	13	P	south	Twelve Mile	Energy Way	Haggerty	2	675	15	7.5	9	0	3.5	7	3.5	3.5	8	0	0	0	57	41																		
44	78D	24	P	south	Grand River	Karim	Haggerty	1	500	10	7.5	9	4	0	7	0	3.5	8	7	0	0	56	44																		
45	53	20	P	west	Beck	Eleven Mile	Kirkway Place	1	1,300	0	7.5	9	4	3.5	3.5	0	0	16	7	5	0	55.5	45																		
45	58A	21	S	east	Beck	Ashley	Cider Mill	1	1,200	0	7.5	9	4	0	3.5	3.5	0	16	7	5	0	55.5	45																		
45	115	34	S	west	Novi Rd.	Timber Ridge development	City Limits	1	1,600	5	7.5	9	4	0	7	0	0	16	7	0	0	55.5	45																		
45	32B	15	S	west	Novi Rd.	Twelve Mile	West Oaks	1	1,443	20	7.5	9	0	0	7	0	0	0	7	5	0	55.5	45																		
49	1A	1	S	south	Fourteen Mile	Haggerty Rd.	M-5	1	1,620	0	7.5	9	4	0	3.5	3.5	7	8	7	5	0	54.5	49																		

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49	31	15	S	south	Twelve Mile	Novi Rd.	Hino Motors	2	1,512		15	7.5	9	4	3.5	3.5	0	0	0	7	5	0	54.5	49																	
49	43	18	P	west	Wixom	Catholic Central	Island Lake	2	620	18-19	0	7.5	9	4	3.5	3.5	7	0	8	7	5	0	54.5	49																	
52	97A	29	P	west	Beck	Nine Mile	Cheltenham	1	825		15	7.5	9	4	0	3.5	7	0	8	0	0	0	54	52																	
52	97B	29	P	west	Beck	Cheltenham	Iriquois	1	1,200		15	7.5	9	4	0	3.5	7	0	8	0	0	0	54	52																	
54	78a	24	P	south	Grand River	Meadowbrook	Joseph	1	1,900		10	7.5	9	4	3.5	7	0	3.5	8	0	0	0	52.5	54																	
55	75	24	P	north	Grand River	Seeley	Meadowbrook	2	1,600		10	7.5	9	0	3.5	7	3.5	0	8	3.5	0	0	52	55																	
56	40	17	P	south	Grand River	Providence Hospital	Wixom	3	620		5	7.5	9	4	3.5	7	0	3.5	0	7	5	0	51.5	56																	
57	60B	22	P	south	Eleven Mile	Clark	Creek Crossing	1	225		0	0	9	0	3.5	7	3.5	0	16	7	5	0	51	57																	
57	17	11	S	east	Old Novi	Novi Rd.	Thirteen Mile	1	2,300		5	0	9	8	3.5	7	0	3.5	8	7	0	0	51	57																	
59	51	20	S	north	Ten Mile	Dinser	Woodham	1	1,780	23-24	0	7.5	4.5	4	7	3.5	7	3.5	8	0	5	0	50	59																	
59	67	23	P	south	Grand River	Fountain Park	Huntley Manor	1	167		0	7.5	9	0	3.5	7	0	0	16	7	0	0	50	59																	
59	77	24	S	west	Haggerty	Grand River	section line	1	3,100		5	7.5	4.5	4	3.5	7	0	7	8	3.5	0	0	50	59																	
59	113B	33	P	south	Nine Mile	Galway	Anna Maria	2	2,100		5	0	9	8	0	0	3.5	0	16	3.5	5	0	50	59																	

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59	33	15	S	west	Novi Rd.	I-96	Crescent	2	240		0	15	9	0	7	7	0	0	0	7	5	0	50	59						
64	30	14	P	west	Meadowbrook	Twelve Mile	Bridge	2	1,750		5	7.5	9	0	3.5	7	3.5	7	0	7	0	0	49.5	64						
64	7	3	S	south	South Lake	Elm	Henning	1	2,800		10	0	9	4	0	3.5	0	0	16	7	0	0	49.5	64						
64	12	9	S	north	Twelve Mile	West Park	Liberty Park	1	2,435		10	7.5	9	4	3.5	3.5	0	0	0	7	5	0	49.5	64						
67	78B	24	P	south	Grand River	Joseph	Bashian	1	300		10	7.5	9	4	0	7	0	3.5	8	0	0	0	49	67						
67	78C	24	P	south	Grand River	Olde Orchard	Karim	1	300		10	7.5	9	4	0	7	0	3.5	8	0	0	0	49	67						
69	11	9	S	north	Twelve Mile	Novi Concrete	West Park	1	1,100		0	7.5	9	4	3.5	0	0	0	0	3.5	5	15	47.5	69						
70	114B	34	S	east	Taft	Nine Mile	Byrne	1	1,400		0	0	9	8	0	3.5	0	3.5	16	7	0	0	47	70						
71	113A	33	P	south	Nine Mile	Beck	Barclay	1	660		5	0	9	8	0	0	3.5	0	16	0	5	0	46.5	71						
71	113C	33	P	south	Nine Mile	Anna Maria	Taft	1	400		5	0	9	8	0	0	3.5	0	16	0	5	0	46.5	71						
71	116A	34	P	south	Nine Mile	Chelsea	Center	1	2,200		5	0	9	8	0	3.5	0	0	16	0	5	0	46.5	71						
71	116B	34	P	south	Nine Mile	Center	Taft	1	2,700		5	0	9	8	0	3.5	0	0	16	0	5	0	46.5	71						

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All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																																									
OVERALL SEGMENT RANK	Segment Item #	SECTION #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN	TOTAL TIER 1 POINTS	TIER 1 RANKING																	
																									Short Segments (400 ft or less)	Scheduled Segment	CIP Budget Year	points available per category													
																												5 points = 1 accident 10 = 2 accidents 15 = 3 accidents 20 = 4 or more accidents	0 = <10K ADTs", 5 = 10K-20K ADTs 10 = >20K ADTs Then multiplied by 1<35mph, 1.2 for 35-40mph & 1.5 for >=45 mph	4.5 = 1 school 9 = 2+ schools	4 = 1 park 8 = 2+ parks	3.5 = 1 hotel 7 = 2+ hotels	3.5 = 1 shopping area 7 = 2+ shopping areas	3.5 = 1 places of worship 7 = 2+ places of worship	3.5 = connecte d to neighboring sidewalk system 7 = connecte d to regional trail system	0 = low density 8 = medium density 16 = high density	3.5 = 1/2 to 1 mile 7 = over 1 mile	5 = top 15 survey responses , resident petitions & documented segments requeste d by groups & govt agencies	20 = initial investme nt 15 = major corridor		
					Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity		Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity																																		
71	8	4	P	west	West Park	Bristol Corners	West	2	1,500		0	0	9	4	0	3.5	3.5	3.5	16	7	0	0	46.5	71																	
76	161	16	P	east	Beck	across 96		1	1,387		5	15	9	0	0	3.5	0	0	0	7	5	0	44.5	76																	
77	37B	16	S	north	Eleven Mile	Mandalay Cir E	Taft	1	1,650		0	0	9	4	3.5	3.5	3.5	0	8	7	5	0	43.5	77																	
77	52A	20	P	south	Eleven Mile	Wixom	E side ITC Corridor	1	2,380		0	0	9	4	3.5	3.5	3.5	0	8	7	5	0	43.5	77																	
79	41	17	S	east	Wixom	Target	Deerfield Elementary	1	1,100		0	7.5	9	4	3.5	3.5	0	3.5	0	7	5	0	43	79																	
80	28	14	P	east	Novi Rd.	south Twelve Oaks entrance	North Twelve Oaks entrance	1	1,300		0	7.5	9	0	7	7	0	0	0	7	5	0	42.5	80																	
81	162A	3	S	north	South Lake	West Park	E of Lilley Trail	1	2,000		0	0	9	8	0	0	0	0	16	7	0	0	40	81																	
81	114A	34	S	east	Taft	Byrne	City Limits	1	1,200		0	0	9	8	0	3.5	0	3.5	16	0	0	0	40	81																	
83	35	15	S	east	Taft	Eleven Mile	Grand River	1	1,680		0	0	9	0	7	0	3.5	0	8	7	5	0	39.5	83																	
84	171	35	P	south	Eight Mile	Griswold	City Limits	1	1,416		0	15	9	0	0	3.5	0	3.5	8	0	0	0	39	84																	
84	26	13	S	north	Eleven Mile	Campus Tech	Seeley	1	900		0	0	9	0	3.5	3.5	0	7	16	0	0	0	39	84																	
84	74	24	S	east	Seeley	Eleven Mile	Grand River	1	2,700		0	0	9	0	0	7	3.5	0	16	3.5	0	0	39	84																	
84	49	19	S	north	Ten Mile	Wixom	Island Lake	1	200		0	7.5	9	4	0	0	3.5	0	8	7	0	0	39	84																	

Legend S= 6 ft. sidewalk P= 8 ft. pathway

- Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity
- Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity
- Short Segments (400 ft. or less)
- Scheduled Segment
- CIP Budget Year
- Deferred until construction

TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																																											
OVERALL SEGMENT RANK	Segment Item #	SECTION #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN	TOTAL TIER 1 POINTS	TIER 1 RANKING																				
																								of Pieces in Segment	Short Segments (400 ft or less)	Scheduled Segment	CIP Budget Year	points available per category															
																												5 points = 1 accident 10 = 2 accidents 15 = 3 accidents 20 = 4 or more accidents	0 = <10K ADTs", 5 = 10K-20K ADTs 10 = >20K ADTs Then multiplied by 1.2 for 35-40mph & 1.5 for >=45 mph	4.5 = 1 school 9 = 2+ schools	4 = 1 park 8 = 2+ parks	3.5 = 1 hotel 7 = 2+ hotels	3.5 = 1 shopping area 7 = 2+ shopping areas	3.5 = 1 places of worship 7 = 2+ places of worship	3.5 = connecte d to neighboring sidewalk system 7 = connecte d to regional trail system	0 = low density 8 = medium density 16 = high density	3.5 = 1/2 to 1 mile 7 = over 1 mile	5 = top 15 survey responses , resident petitions & documented segments requeste d by groups & govt agencies	20 = initial investme nt 15 = major corridor				
Legend S= 6 ft. sidewalk P= 8 ft. pathway																																											
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <div style="background-color: #e0ffff; border: 1px solid black; padding: 2px; margin-bottom: 5px;">Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity</div> <div style="background-color: #ffe4c4; border: 1px solid black; padding: 2px; margin-bottom: 5px;">Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity</div> </div> <div style="width: 50%;"> <div style="background-color: #add8e6; border: 1px solid black; padding: 2px; margin-bottom: 5px; display: inline-block;">Short Segments (400 ft. or less)</div> <div style="background-color: #ff69b4; border: 1px solid black; padding: 2px; margin-bottom: 5px; display: inline-block; margin-left: 20px;">Scheduled Segment</div> <div style="background-color: #ffff00; border: 1px solid black; padding: 2px; margin-bottom: 5px; display: inline-block; margin-left: 20px;">CIP Budget Year</div> <div style="background-color: #808080; border: 1px solid black; padding: 2px; margin-bottom: 5px; display: inline-block; margin-left: 20px;">Deferred until construction</div> </div> </div>																																											
84	19	12	S	north	Twelve Mile	Meadowbrook	Cabot	2	3,735	5	7.5	9	0	3.5	0	3.5	3.5	0	7	0	0	39	84																				
89	110A	32	P	west	Beck	Eight Mile	Casa Loma	1	1,383	10	15	9	0	0	0	3.5	0	0	0	0	0	37.5	89																				
89	110B	32	P	west	Beck	Casa Loma	Nine Mile	1	1,400	10	15	9	0	0	0	3.5	0	0	0	0	0	37.5	89																				
91	37A	16	S	north	Eleven Mile	Beck	Mandalay Cir E	2	2,030	0	0	9	4	3.5	3.5	3.5	0	8	0	5	0	36.5	91																				
91	52B	20	P	south	Eleven Mile	E side ITC Corridor	1300' W of Beck	1	645	0	0	9	4	3.5	3.5	3.5	0	8	0	5	0	36.5	91																				
91	52C	20	P	south	Eleven Mile	1300' W of Beck	Beck	1	1,300	0	0	9	4	3.5	3.5	3.5	0	8	0	5	0	36.5	91																				
94	14	10	S	north	Twelve Mile	Carlton Forest	BP	1	600	0	0	9	4	3.5	7	0	0	0	7	5	0	35.5	94																				
95	2	1	S	west	Haggerty	Fourteen Mile	Thirteen Mile	2	1,800	0	7.5	9	0	0	3.5	0	3.5	8	3.5	0	0	35	95																				
96	34	15	S	north	Eleven Mile	Clark	Taft	1	2,600	0	0	9	0	3.5	3.5	3.5	0	8	7	0	0	34.5	96																				
97	20	12	S	west	Haggerty	Thirteen Mile	Twelve Mile	4	1,570	0	7.5	9	0	3.5	0	0	7	0	7	0	0	34	97																				
98	163	3	P	north	South Lake	Lakeshore Park	Landings Park	1	1,304	0	0	9	8	0	0	0	0	16	0	0	0	33	98																				
98	164	3	P	south	South Lake	Lakeshore Park	Elm	1	918	0	0	9	8	0	0	0	0	16	0	0	0	33	98																				

TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings

All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																										
OVERALL SEGMENT RANK	Segment Item #	SECTION #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN				
											points available per category														TOTAL TIER 1 POINTS	TIER 1 RANKING
											5 points = 1 accident 10 = 2 accidents 15 = 3 accidents 20 = 4 or more accidents	0 = <10K ADTs", 5 = 10K-20K ADTs 10 = >20K ADTs Then multiplied by 1<35mph, 1.2 for 35-40mph & 1.5 for >=45 mph	4.5 = 1 school 9 = 2+ schools	4 = 1 park 8 = 2+ parks	3.5 = 1 hotel 7 = 2+ hotels	3.5 = 1 shopping area 7 = 2+ shopping areas	3.5 = 1 places of worship 7 = 2+ places of worship	3.5 = connecte d to neighboring sidewalk system 7 = connecte d to regional trail system	0 = low density 8 = medium density 16 = high density	3.5 = 1/2 to 1 mile 7 = over 1 mile	5 = top 15 survey responses , resident petitions & documented segments requeste d by groups & govt agencies	20 = initial investme nt 15 = major corridor				
					Segments with pathways or sidewalks on most of the opposite side of the street - <i>note that these segments may be critical for system connectivity & must be analyzed separately for connectivity</i>				Short Segments (400 ft or less)	Scheduled Segment																
					Segments with a higher ranking segment planned for the opposite side of the street - <i>note that these segments may be critical for system connectivity & must be analyzed separately for connectivity</i>						CIP Budget Year															
98	165	3	P	south	South Lake	Henning	Lakeshore Park	1	2,055		0	0	9	8	0	0	0	0	16	0	0	0	33	98		
98	162B	3	S	north	South Lake	E of Lilley Trail	Lakeshore Park	1	3,177		0	0	9	8	0	0	0	0	16	0	0	0	33	98		
102	149	15	P	east	Clark	Eleven Mile	Grand River	1	208		0	0	9	0	0	3.5	3.5	0	8	7	0	0	31	102		
103	111	32	P	south	Nine Mile	Garfield	Beck	2	6,000		5	0	9	4	0	0	3.5	0	0	3.5	5	0	0	30	103	
104	155	30	P	south	Ten Mile	Links of Novi		1	1,693		0	7.5	9	4	0	0	7	0	0	0	0	0	0	27.5	104	
104	156	30	P	south	Ten Mile	Links of Novi		1	1,008		0	7.5	9	4	0	0	7	0	0	0	0	0	0	27.5	104	
104	157	30	P	south	Ten Mile	Links of Novi		1	1,503		0	7.5	9	4	0	0	7	0	0	0	0	0	0	27.5	104	
104	159	19	S	north	Ten Mile	Oak Point Church	Oak Point Church	1	309		0	7.5	9	4	0	0	7	0	0	0	0	0	0	27.5	104	
108	172	35	P	west	Griswold	Eight Mile	City Limits	1	767		5	0	9	0	0	3.5	0	0	8	0	0	0	0	25.5	108	
109	45	18	S	south	Twelve Mile	Helper Drive (Wixom)	Albert	1	979		0	0	9	4	0	3.5	0	0	8	0	0	0	0	24.5	109	
110	98	29	S	north	Nine Mile	Beck	Garfield	2	4,800		0	0	0	4	0	0	0	0	8	7	5	0	0	24	110	
110	100	30	P	south	Ten Mile	Wixom	Napier	4	1,200		0	7.5	9	4	0	0	0	0	0	3.5	0	0	0	24	110	
112	167	9	P	south	West	West Park	City Limits	1	1,377		0	0	9	4	0	0	0	3.5	0	7	0	0	0	23.5	112	

Legend S= 6 ft. sidewalk P= 8 ft. pathway

- Segments with pathways or sidewalks on most of the opposite side of the street - *note that these segments may be critical for system connectivity & must be analyzed separately for connectivity*
- Segments with a higher ranking segment planned for the opposite side of the street - *note that these segments may be critical for system connectivity & must be analyzed separately for connectivity*
- Short Segments (400 ft. or less)
- Scheduled Segment
- CIP Budget Year
- Deferred until construction

TABLE 4.5: Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 1 Category Rankings

All proposed adjacent to road pathway & sidewalk segments are reviewed against a set of Tier 1 criteria & assigned points based on the segment's potential service benefits to the citizens of the City, the segments are ranked by the Tier 1 points & the segments receiving the top 20 points are assigned Tier 2 points

TIER 1 CATEGORIES																											
OVERALL SEGMENT RANK	Segment Item #	SECTION #	S= 6 ft. sidewalk P= 8 ft. pathway	Side of Street	Location	From	To	of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	points available per category															TOTAL TIER 1 POINTS	TIER 1 RANKING
											BICYCLE & PEDESTRIAN ACCIDENTS (intersection accidents only included when sidewalk or pathway connection is missing (1/98 to 9/14)	TRAFFIC SAFETY (ADT) 2010 Non-Motorized MP & Traffic Speed	ACCESS TO SCHOOLS (# elem & intermediate schools within 1 mile); (# middle & high schools within 2 miles); (# private schools over 100 students within 2 miles)	ACCESS TO PARKS (# within 1 mile)	ACCESS TO HOTELS (# hotels within 1 mile)	ACCESS TO SHOPPING (# shopping areas within 1 mile)	ACCESS TO PLACES OF WORSHIP (# places of worship within 1 mile)	CONNECTED TO NEIGHBORING SIDEWALK/ REGIONAL TRAIL SYSTEM	POPULATION SERVED	SEGMENT COMPLETION	CONSIDERABLE PUBLIC INTEREST	NON-MOTORIZED MASTER PLAN					
											5 points = 1 accident 10 = 2 accidents 15 = 3 accidents 20 = 4 or more accidents	0 = <10K ADTs", 5 = 10K-20K ADTs 10 = >20K ADTs Then multiplied by 1.2 for 35-40mph & 1.5 for >=45 mph	4.5 = 1 school 9 = 2+ schools	4 = 1 park 8 = 2+ parks	3.5 = 1 hotel 7 = 2+ hotels	3.5 = 1 shopping area 7 = 2+ shopping areas	3.5 = 1 places of worship 7 = 2+ places of worship	3.5 = connecte d to neighbori ng sidewalk system 7 = connecte d to regional trail system	0 = low density 8 = medium density 16 = high density	3.5 = 1/2 to 1 mile 7 = over 1 mile	5 = top 15 survey responses , resident petitions & documente d segments requeste d by groups & govt agencies	20 = initial investme nt 15 = major corridor					
											Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity	Short Segments (400 ft or less)	Scheduled Segment	CIP Budget Year													
											Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity																
113	106	31	P	west	Garfield	Eight Mile	Nine Mile	1	5,300																		
114	101	30	P	east	Napier	Ten Mile	Nine Mile	2	4,000																		
114	158	30	P	east	Napier	Links of Novi		1	1,321																		
116	104	31	P	east	Napier	Eight Mile	Community Sports Park	1	2,100																		
117	108A	32	S	east	Garfield	Eight Mile	Chianti	1	1,950																		
117	108b	32	S	east	Garfield	Chianti	Nine Mile	1	2,650																		
119	166	4	P	north	West	Hudson	City Limits	1	368																		
120	103	31	P	east	Napier	Park Place	Community Sports Park	1	572																		
120	102	30	S	north	Nine Mile	Napier	Garfield	2	4,700																		
122	170	4	S	north	West	West Park	American Interiors	1	608																		
123	107	31	P	south	Nine Mile	Garfield	Hillside	2	4,000																		
123	147	31	S	south	Nine Mile	Hillside	Napier	1	118																		

Legend S= 6 ft. sidewalk P= 8 ft. pathway

Segments with pathways or sidewalks on most of the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity

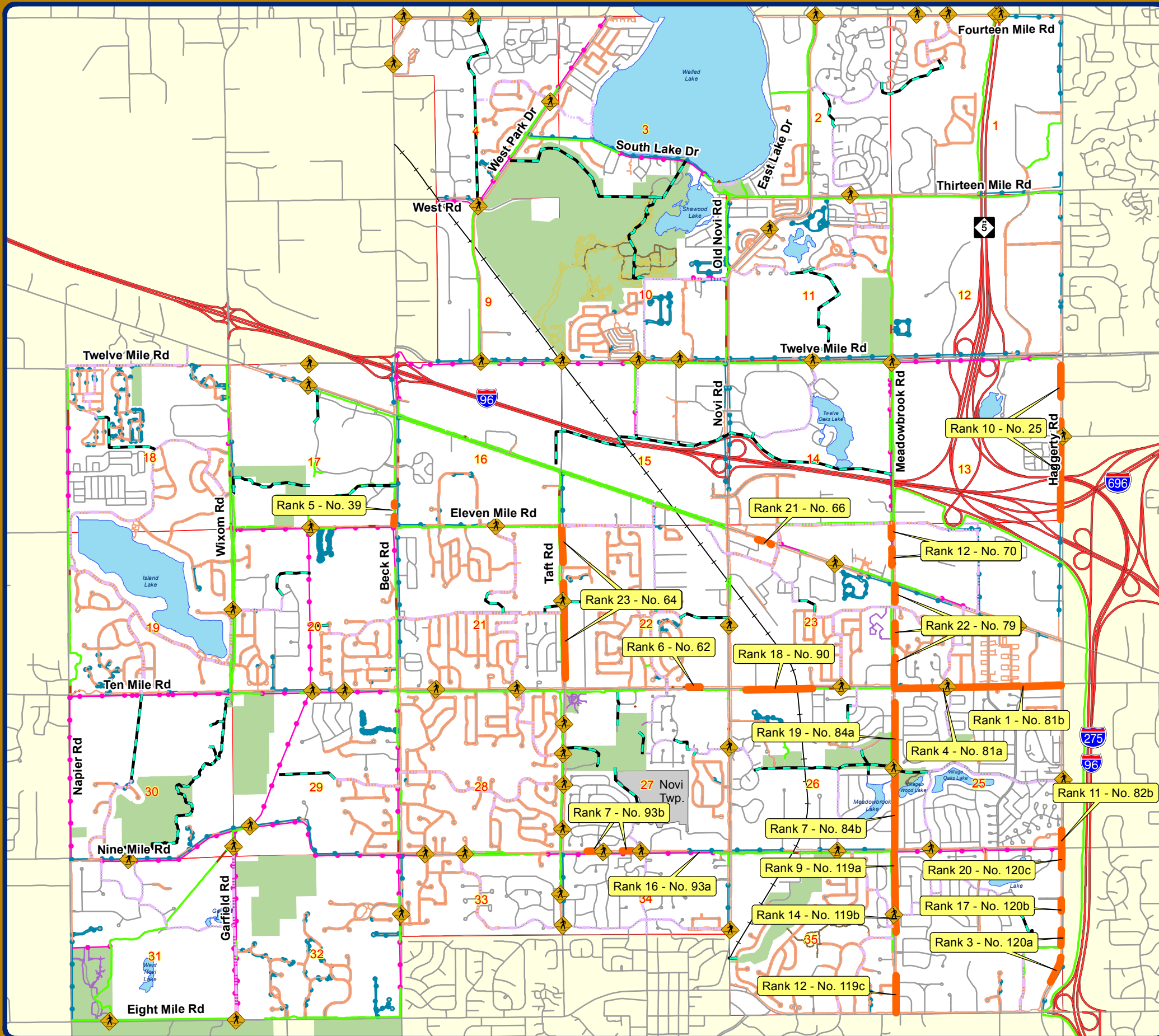
Segments with a higher ranking segment planned for the opposite side of the street - note that these segments may be critical for system connectivity & must be analyzed separately for connectivity

Short Segments (400 ft. or less) Scheduled Segment CIP Budget Year Deferred until construction

TABLE 4.6 Proposed Adjacent to Major Roads Pathway and Sidewalk Segments: Tier 2 Category Rankings Top 20 Tier 1 segments are reviewed against a set of Tier 2 criteria & assigned points based on financial considerations to give priority to segments that provide more economical value

OVERALL SEGMENT RANK	Segment Item #	Section #	S = 6 ft. sidewalk P = 8 ft. pathway	Side of Street	Location	From	To	# of Pieces in Segment	Segment Length (ft.) excluding Developer Planned & Completed Pieces	Notes	TIER 2 CATEGORIES Criteria Points (only top 20 Tier 1 segments receive tier 2 points)						TOTALS			OTHER INFO			
											EASE OF CONSTRUCTION (easy/hard)	RIGHT-OF-WAY AVAILABILITY (based on % available)	OTHER FUNDING SOURCES (based on % available)	OPPOSITE SIDE SIDEWALK OR PATHWAY (road < 12,000 ADT & 35 mph < existing or planned with higher priority ranking)	PRIVATE DEVELOPMENT POTENTIAL	EVIDENCE OF EXTENSIVE PEDESTRIAN USE (0 = No Evidence; 10 = Worn Path)	TOTAL TIER 1 POINTS	TIER 1 RANKING	TOTAL TIER 2 POINTS	TOTAL POINTS	TOTAL POINTS (OVERALL) RANK FOR TOP 20	Greenway/Pathway Study Survey Rank	Opposite Side of Road Pathway or Sidewalk
											points available per category						0 = hard 8 = medium hard 16 = easy	0 = 0% 4.5 = 25% 9 = 50% 13.5 = 75% 18 = 100%	0 = 0% 4.5 = 25% 9 = 50% 18 = 80%+	-20 = complete section link -10 = one direction section link	8 = little potential 4 = partial potential within 10 years 2 = dev potential within 10 years 0 = SP submitted	0 = No Evidence 10 = Worn Path	
1	81B	23	P	south	Ten Mile	Willowbrook	Haggerty	1	2,750	23-24	8	13.5	0	-20	8.0	10	110	1	19.5	129.5	1	14	yes
1	80B	24	S	north	Ten Mile	Meadowbrook	Willowbrook Estates	1	189		8	13.5	0	0	8.0	0	100	3	29.5	129.5	1	31	no
3	120A	36	S	west	Haggerty	Eight Mile	N of Orchard Hill	2	1,390	18-19	8	18	0	0	8.0	10	82	10	44	126	3	none	no
4	81A	25	P	south	Ten Mile	Meadowbrook	Willowbrook	1	2,530	23-24	8	13.5	0	-20	8.0	10	103	2	19.5	122.5	4	14	yes
5	39	17	P	west	Beck	Eleven Mile	Providence	1	767	18-19	16	9	0	0	8.0	10	75	18	43	118	5	31	no
6	62	22	S	north	Ten Mile	Eaton Center	Churchill Crossing	1	400	21-22	8	0	0	0	4.0	10	83	7	22	105	6	9	yes
7	84B	25	S	east	Meadowbrook	Nine Mile	Chattman	1	2,050	23-24	8	18	0	-20	8.0	0	78.5	15	14	97	7	3	yes
7	93B	27	S	north	Nine Mile	Plaissance	Taft	2	650	23-24	0	4.5	0	0	4.0	10	83	7	18.5	97	7	5	no
9	119A	36	S	east	Meadowbrook	Nine Mile	Singh Blvd	1	1,300	21-22	8	13.5	0	-20	8.0	10	73.5	19	19.5	93	9	14	yes
10	25	13	S	west	Haggerty	Twelve Mile	section line	2	4,300	23-24	0	0	0	0	8.0	10	73	22	18	91	10	none	most
11	82B	25	S	west	Haggerty	Pavilion Ct Apartments	Nine Mile	1	492		0	0	0	-10	8.0	10	82.5	9	8	90.5	11	none	partial
12	70	23	P	west	Meadowbrook	Eleven Mile	Gateway Village	3	900	18-19	0	0	0	0	8.0	0	80.5	14	8	90	12	14	most
12	119c	36	S	east	Meadowbrook	Eight Mile	N of Llewelyn	1	1,200	21-22	8	13.5	0	-20	8.0	0	82	10	9.5	90	12	14	yes
14	119b	36	S	east	Meadowbrook	Singh Blvd	N of Llewelyn	1	1,300	21-22	8	13.5	0	-20	4.0	10	73.5	19	15.5	89	14	14	yes
15	121A	36	P	south	Nine Mile	Meadowbrook	Sunrise	1	2,900		0	13.5	0	-20	8.0	0	84	5	1.5	85.5	15	1	yes
15	121B	36	P	south	Nine Mile	Sunrise	Haggerty	1	2,380		0	13.5	0	-20	8.0	0	84	5	1.5	85.5	15	1	yes
17	120B	36	S	west	Haggerty	Orchard Hill	High Pointe	1	375	18-19	0	4.5	0	-10	8.0	0	82	10	2.5	84.5	17	none	no
18	90	26	P	south	Ten Mile	Novi Rd.	Maly Dental	1	2,319	23-24	0	4.5	0	-20	8.0	0	91.5	4	-7.5	84	18	14	yes
19	84A	25	S	east	Meadowbrook	Ten Mile	Chattman	1	2,350	23-24	0	18	0	-20	8.0	0	76	17	6	82	19	3	yes
20	120C	36	S	west	Haggerty	High Pointe	Nine Mile	1	600	18-19	0	4.5	0	-20	8.0	0	69	24	-7.5	74.5	20	none	no
21	66	23	P	south	Grand River	Sixth Gate	Main Street	2	312	18-19	16	0	0	-20	4.0	0	82	10	0	73.5	21	31	no
22	79	24	S	east	Meadowbrook	Ten Mile	Grand River	3	2,000		0	4.5	0	-20	8	0	73.5	19	-7.5	69.5	22	14	no
23	64	22	S	east	Taft	Ten Mile	Eleven Mile	2	3,840	23-24	8	0	0	-20	8	0	70.5	23	-4	66.5	23	14	yes

Map 3: Non-Motorized Plan 2016-2017 Update



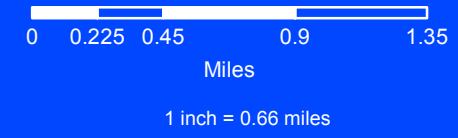
Annual Non-Motorized Prioritization: 2016-2017 Update

- Proposed Crossing Improvement
 - Proposed Paved Path
 - Proposed Unpaved Path
 - Proposed Neighborhood Connector Route
 - Top 20 Priority Segments
- ### Existing Sidewalks and Pathways
- Existing Sidewalk
 - Existing Pathway
- ### Future Sidewalks and Pathways
- Proposed Pathway
 - Proposed Sidewalk
- ### Existing Off Road Paths & Trails
- Paved Path
 - Unpaved Trail
 - Mountain Biking Trail



City of Novi
 Dept. of Community Development
 City Hall / Civic Center
 45175 W Ten Mile Rd
 Novi, MI 48375
 cityofnovi.org

Map Author: Keri Blough
 Date: September 19, 2017
 Project: 2017 Non-Motorized Update
 Version #: 3.0



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.



WALKABLE NOVI MEETING SCHEDULE FOR 2018



Walkable Novi Committee: 2018 Tentative Meeting Schedule (2018)

January

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February

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18	19	20	21	22	23	24
25	26	27	28			

March

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April

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May

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20	21	22	23	24	25	26
27	28	29	30	31		

June

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17	18	19	20	21	22	23
24	25	26	27	28	29	30

July

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August

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12	13	14	15	16	17	18
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September

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23	24	25	26	27	28	29
30						

October

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21	22	23	24	25	26	27
28	29	30	31			

November

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18	19	20	21	22	23	24
25	26	27	28	29	30	

December

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

May 17 Alternate Meeting Date
 Jun 21 Implementation Update
 Jul 11 Alternate Meeting Date
 Aug 16 Alternate Meeting Date

Sep 20 2018-19 Annual Non-motorized
 Prioritization Update
 Oct 18 Alternate Meeting Date
 Nov 15 Alternate Meeting Date

Dec 20 Regular Meeting (If determined to be necessary)

STAFF UPDATES

Planning Update

- a. City Council Goal Setting Session: Budget for Non-motorized infrastructure

MEMORANDUM



TO: WALKABLE NOVI COMMITTEE
THRU: BARBARA MCBETH, A/CP, CITY PLANNER
FROM: SRI RAVALI KOMARAGIRI, PLANNER
SUBJECT: BUDGET FOR NON-MOTORIZED INFRASTRUCTURE: CIP FY2018-24
DATE: APRIL 13, 2018

On January 14, 2017, at an Early Input Budget Session, the Novi City Council met to discuss Strategic Themes & Broad Goal categories. One of the short term goals from that session as it relates non-motorized improvements is listed below.

"Direct Walkable Novi Committee to identify critical sidewalk/pathway gaps for 2018-19 budget with focus on connections to new ITC trail segments and completing major corridors (including CIP millage funding to \$1.5 million)."

It was determined that a total of \$1.5 million would be dedicated to complete sidewalk segments, the gaps between pathway connections and boardwalks. Of those \$ 1.5 million, \$500,000 are dedicated to Boardwalk Extension & Repairs/Replacement. Please see below for a list of non-motorized infrastructure items that made it to the budget draft. These funds address some of the top gaps as identified by the Walkable Novi Committee. As part of the session, some of the projects were pulled forward to be addressed during fiscal year 2018-19.

The Planning Commission held a public hearing on a draft budget plan presented to them on February 28, 2018. The draft was presented to the Council on March 26, 2018. Additional budget sessions will happen during April and May. The budget will be finalized on May 21, 2018.

CIP website (includes all information on the pdf): <https://cip.cityofnovi.org/>

ITEM	Assigned Fiscal Year	Budget (FY18-19)/ Projected (FY 19-21)/ Forecast (FY21-24)
Americans with Disabilities Act (ADA) Compliance Plan Annual Implementation	FY 2018-19	\$ 300,000 (\$50,000 each year)
Boardwalk Extension & Repairs/Replacement Program	FY 2018-19	\$ 500,000
Segment 43 -- Wixom Road (West side; Catholic Central to Island Lake) - 8' Pathway	FY 2018-19	\$ 363,387

Segment 70 -- Meadowbrook Road (West side; Gateway Village to 11 Mile Road) - 8' Pathway	FY 2018-19	\$ 349,636
Segment 120C -- Haggerty Road (West side; 9 Mile Road to High Pointe) - 6' Sidewalk	FY 2018-19	\$ 228,338
Segment 120A -- Haggerty Road Pathway (8 Mile Road to North of Orchard Hill Place) - 6' Sidewalk	FY 2018-19	\$ 166,752
Segment 66 -- Grand River Avenue (South side; Sixth Gate to Main Street) - 8' Pathway	FY 2018-19	\$ 110,284
Segment 39 -- Beck Road (West side; 11 Mile Road to Providence) - 8' Pathway	FY 2018-19	\$ 102,394
Segment 120B -- Haggerty Road Pathway (South of High Pointe Blvd) - 6' Sidewalk	FY 2018-19	\$ 78,766
Segment 53 -- Beck Road (West Side; 11 Mile Road to Kirkway Place) - 8' Pathway	FY 2020-21	\$ 330,428
Segment 119 -- Meadowbrook Road (East Side; 8 Mile Road to 9 Mile Road) - 6' Sidewalk	FY 2021-22	\$ 888,436
Segment 62 -- 10 Mile Road (North side; Eaton Center to Churchill) - 6' Sidewalk and Boardwalk	FY 2021-22	\$ 507,174
Non-Motorized Crossing of I-96 at Novi Road - 5' Sidewalk, realigning bridge lanes, and construct barrier wall	FY 2022-23	\$ 1,599,169
Segment NC4 -- Neighborhood Connection Between Main Street and Meadowbrook Glens - 6' Sidewalk	FY 2022-23	\$ 393,030
Non-Motorized Crossing of I-96 at Taft Road - 12' Pedestrian Bridge and 8' Sidewalk	FY 2023-24	\$ 3,675,524
Segment 84 -- Meadowbrook Road (East side; 9 Mile Road to 10 Mile Road) - 6' Sidewalk	FY 2023-24	\$ 2,5814,767
M-5/I-275 Regional Trail Connection - Phase II (Meadowbrook Road and 13 Mile Road; Between 12 Mile Road and M-5) - 10' Pathway	FY 2023-24	\$ 2,188,558
Segment 81A&81B -- 10 Mile Road (South side; Meadowbrook Road to Haggerty) - 8' Pathway	FY 2023-24	\$ 1,721,571
Segment 64 -- Taft Road (East side; 10 Mile Road to 11 Mile Road) - 6' Sidewalk	FY 2023-24	\$ 1,309,909
Segment 93 -- 9 Mile Road (North side; Novi Road to Taft) - 6' Sidewalk	FY 2023-24	\$ 1,282,424

Segment 38 -- Beck Road (East side; 11 Mile Road to Grand River Avenue) - 6' Sidewalk	FY 2023-24	\$ 1,030,349
Segment 90 -- 10 Mile Road (South side; Novi Road to Chipmunk Trail) - 8' Pathway	FY 2023-24	\$ 1,009,718
Segment 99 -- 10 Mile Road (South Side; Wixom Road to Beck Rd) - 8' Pathway	FY 2023-24	\$ 1,000,396
Segment 88 -- 9 Mile Road (North side; Novi Road to Railroad) - 6' Sidewalk	FY 2023-24	\$ 654,123
Segment 51 -- 10 Mile Road (North side; Dinser to Woodham) - 6' Sidewalk	FY 2023-24	\$ 530,206
Segment 25 -- Haggerty Road (West side; 12 Mile Road to 13 Mile Road) - 6' Sidewalk	FY 2023-24	\$ 522,547
Wildlife Woods Trail	FY 2023-24	\$ 241,435

STAFF UPDATES

Planning Update

- b. SEMCOG region-wide bicycle and pedestrian count pilot program

Will be provided prior to the meeting

STAFF UPDATES

Planning Update

c. Pedestrian and Bicycle Accidents: June 2017 to current

City of Novi
Pedestrian and Bicycle Accidents

June 2017 to current

(Source: Kevin Gilmore, Detective Sergeant, City of Novi Police Department)

PEDESTRIAN INJURY- 6

6/24/17 0251 hours **8 Mile near Meadowbrook**

A pedestrian was attempting to cross Eight Mile Rd, walking south through the road. The pedestrian was wearing dark colored clothing and was struck by an eastbound vehicle. There was no cross walk in the area where pedestrian was crossing.

7/24/17 1238 hours **40400 Grand River**

A pedestrian was walking eastbound on Grand River and was crossing the parking lot entrance near 40400 Grand River. A vehicle moved forward to exit the lot and struck the pedestrian. There is not a sidewalk in that portion of roadway.

10/18/17 1459 hours **46010 9 Mile**

A pedestrian (landscape worker) was directing traffic on Nine Mile Rd as part of a landscaping project at 46010 Nine Mile Rd. According to the witness, an eastbound vehicle failed to stop and hit the pedestrian.

12/27/17 2018 hours **Pontiac Trail / Beck (east of the intersection)**

A pedestrian attempted to cross Pontiac Trail east of Beck and was struck by an eastbound vehicle. The pedestrian was wearing dark clothing and there is no cross-walk where the pedestrian chose to cross; however there is a crosswalk at the intersection of Pontiac Trail and Beck.

12/27/17 2136 hours **Meadowbrook / Clermont Dr**

A pedestrian was crossing Meadowbrook Road westbound in the crosswalk from Clermont Drive towards Cherry Hill Drive. A turning vehicle struck the pedestrian while in the crosswalk.

3/14/18 1720 hours **9 Mile / Taft**

A pedestrian was crossing 9 Mile in the crosswalk at Taft. A turning vehicle struck the pedestrian while in the crosswalk.

BICYCLE INJURY- 6

7/11/17 1814 hours **Meadowbrook / Malott**

A bicyclist was n/b on Meadowbrook at Malott using the sidewalk on the west side of Meadowbrook. A vehicle failed to stop at the stop sign and struck the bicyclist while he was crossing Malott Dr.

9/16/17 1430 hours **Cascade / Singh**

A bicyclist was southbound on Cascade Dr. near Singh and struck a vehicle as it was passing.

9/21/17 1908 hours **10 Mile / Cortland**

A bicyclist was crossing the intersection of Cortland Blvd traveling west on 10 Mile Rd. A turning vehicle from 10 Mile struck the bicyclist in the crosswalk.

9/25/17 0630 hours **Cider Mill / Fairway Hills**

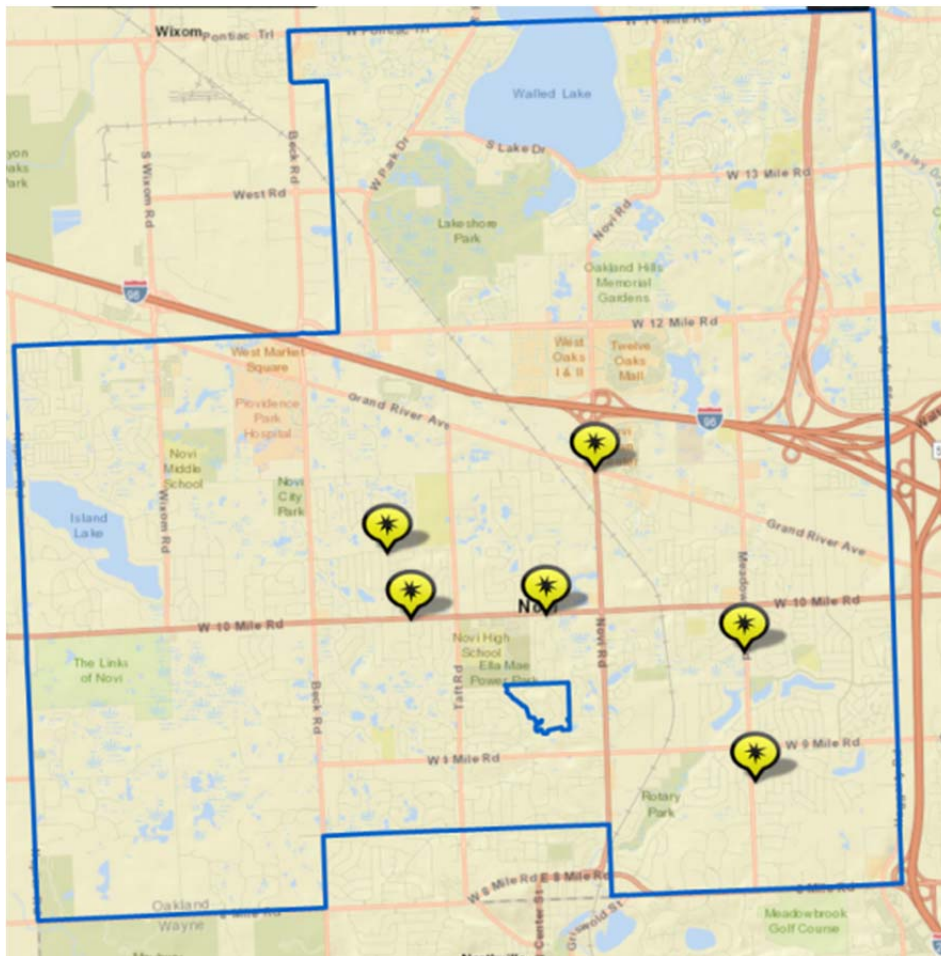
A bicyclist was in the street eastbound on Cider Mill along the right side curb. A turning vehicle from Fairway Hills struck the bicyclist.

9/28/17 1825 hours **Novi / Grand River**

A bicyclist was travelling on the sidewalk southbound on Novi near Grand River. A vehicle exiting a parking lot struck the bicyclist.

11/14/17 0653 hours **10 Mile / Simmons**

A bicyclist was traveling on the sidewalk eastbound 10 Mile near Simmons Dr. A vehicle turned in front of the bicyclist causing the bicyclist to hit the left rear side of the vehicle.



STAFF UPDATES

Parks, Recreation and Cultural Services Update
a. ITC Trail Update

Will be provided prior to the meeting

STAFF UPDATES

Engineering Update

a. Active Non-Motorized Project Portfolio for Engineering Division

ACTIVE NON-MOTORIZED PROJECT PORTFOLIO FOR ENGINEERING DIVISION

Project Description	FY 2018-2019			
	2018 July-Sep Q1	2018 Oct-Dec Q2	2019 Jan-Mar Q3	2019 Apr-June Q4
FY17-18 PROJECTS				
Pontiac Trail Pathway (Segment 9) (West Park Drive to Beck Road)	CONSTRUCT			
2017 Sidewalk Pathway and ADA Compliance Program (Segment 5 -Fourteen Mile Rd from East Lake Dr to Beachwalk Apts)	CONSTRUCT			
Eight Mile Pathway (Garfield Road to Napier Road - north side)	CONSTRUCT			
FY18-19 PROJECTS				
Wixom Road Segment 43 - West Side Catholic Central to Island Lake	BID	CONSTRUCT		
Beck Road Segment 39 - West side of Beck, 11 to Providence	BID	CONSTRUCT		
Meadowbrook Road Segment 70 - West Side, Gateway Village to 11 Mile	ROW	DESIGN	BID	CONSTRUCT
Haggerty Road Pathway Segment 120A - 8 Mile to North of Orchard Hill Place	ROW	DESIGN	BID	CONSTRUCT
Haggerty Road Pathway Segment 120B - South of High Pointe Blvd	ROW	DESIGN	BID	CONSTRUCT
Haggerty Road Pathway Segment 120C - 9 Mile Road to High Pointe	ROW	DESIGN	BID	CONSTRUCT
Grand River Ave. Segment 66 - Sixth Gate to Main Street.	DESIGN			

CORRESPONDENCE

Komaragiri, Sri

From: Jeremy Wise <wise@uvic.ca>
Sent: Wednesday, March 28, 2018 10:01 PM
To: Komaragiri, Sri
Subject: Expansion of Sidewalks down Napier Road

Sri,

Following up from a conversation we had in the winter... are there any plans to expand the sidewalks on the East side of Napier, between Park Place Dr. and ITC Park?

In Photo 1, you can see the sidewalk is currently disconnected and non-functional between Park Place Dr. and Chamberlain Court.

In Photo 2, you can see the sidewalk ends at the power lines and does not continue to ITC park.

Expanding the sidewalk in these two areas would be very beneficial to the residents of Park Place and adjoining subdivisions to enable access to ITC Park.

Thanks

—
JW



