

## **MEMORANDUM**

TO: Mayor and City Council

FROM: Howard S. Lazarus, City Administrator

DATE: April 3, 2019

SUBJECT: Response to Council Resolution R-18-497 – Resolution to Address Crosswalk Improvements

and Maintenance

This memorandum is provided in response to approved Council Resolution R-18-497 – Resolution to Address Crosswalk Improvements and Maintenance which directed the City Administrator to provide information about the cost to bring crosswalks into compliance with the crosswalk design guidelines. Specifically, the resolution states:

Incorporate crosswalk infrastructure elements into the City's asset database and provide an estimate of the costs and schedule to bring significant crosswalks into substantial compliance with the guidelines. The cost and schedule data for the next two years will be presented as an attachment to the City Administrator's FY2020/2021 Financial Plan submittal to Council.

Staff used the previously submitted "Draft Crosswalk Assessment" and added cost estimates, which show a 'typical' cost range to bring crosswalks into compliance with the targeted design standard. Of the 215 identified crosswalks:

- 139 crosswalks meet or exceed the target design and are not anticipated to need additional investment at this time.
- 63 crosswalks need further analysis and field verification to determine the existing design, the target design, or both. Staff will conduct this field work now that this compilation work and methodology has been completed. This work is expected to result in an increase to the estimates provided below.
- 13 crosswalks do not meet the target design. This analysis shows a **low-end estimate of \$148,687** and a **high-end cost estimate of \$557,153** to bring these crosswalks into compliance. A few things to note about this estimate range:
  - Costs vary widely because the exact treatment will be defined by the physical characteristics of the area and other relevant opportunities and constraints. The methodology for how these costs were derived is described in more detail below.
  - While these costs are deemed reasonable by staff, it is important to re-emphasize that more detailed analysis will be warranted on a location-by-location basis and that this information is best used as a prioritization and programming tool.
  - Estimates are based on the most recent costs available for these improvements. These
    costs have not been inflated for future years nor do they account for ongoing
    operations/maintenance or future replacement.

Methodology for Crosswalk Cost Assignment

The methodology to develop these estimates is described below. It was developed in a stepwise fashion in which typical costs were developed (Attachment A) which informed cost ranges (Attachment B) which then was applied to the specific crosswalk location (Attachment C):

- 1. Device Cost Assignment (Attachment A) recent expenditures on pedestrian enhancements were used to develop typical costs. Annual maintenance costs are also identified for informational purposes (note: this does not include replacement costs and other operation costs like electricity). The applicability of each device is also identified in the remaining fields based on the street type and crossing design type.
- 2. Treatment Cost Ranges (Attachment B) the information from the "Device Cost Assignments" was then added up to determine a range of possible costs for each road type and crossing design type.
- 3. Crosswalk Cost Assignment (Attachment C) the ranges from the Treatment Cost Ranges were then applied to the specific locations. Fields labeled as "Insufficient Data" or "Under Review" have costs identified as "TBD" since further investigation is warranted to determine the appropriate treatment.

In order to bring the identified crosswalks into substantial compliance with the crosswalk design guidelines, funding in the amount of \$557,153 (the high-end cost estimate) will be programmed over the course of fiscal years 2020 and 2021 in the Washtenaw County Mental Health and Public Safety Millage budget. The high-end estimate is proposed because it provides greater flexibility to address cost increases and unforeseen engineering or construction challenges. Additionally, other locations (such as those 'TBD' crosswalks that require field verification) can be addressed if funds remain.

It is proposed that the improvements largely be completed with in-house staff resources with a focus to address the most deficient and high-risk crosswalk locations first. Based loosely on past implementation, staff believes it can address the deficient crosswalks over the course of the two identified fiscal years.

Lastly, we will continue to report in response to the additional items directed in the resolution. As always, please do not hesitate to contact me if I can be of further assistance.

## **Attachments**

cc: J Fournier

R Hess

**S** Higgins

C Hupy

N Hutchinson

C Redinger

## Attachment A Device Cost Assignment

			Recomended Local Treatments		Recomende	ed Minor/Maj Treatments	or Collector		ed Minor/ Major Arterial ≤ Lanes Treaments		Recomended Minor/ Major Arterial ≥ 3 Lanes Treaments			
	Installation	Annual Maintenance												
Device	Cost	Cost	Standard	Standard+	High Risk	Standard	Standard+	High Risk	Standard	Standard+	High Risk	Standard	Standard+	High Risk
Pedestrain Warning Series (W11-2)	\$ 725.00	\$ 72.50			X		Х			Х		Х		
School Warning Sign (S1-1)	\$ 770.00	\$ 77.00			Χ		Х			Х		Х		
Bright Sides	\$ 340.00	\$ 34.00						Χ		Х		Х		
In-lane Signs (R1-6a)	\$ 930.00	\$ 325.00						Х		X			Х	
In-island Sign (R1-6a)	\$ 790.00	\$ 140.00						Х		X			Х	
Stop Here for Pedestrains (R1-5b)	\$ 410.00	\$ 41.00						Х		Х		Х	X	
Pedestrain Hybrid Beacon (PHB)	\$ 48,000.00	\$ 480.00									Х			Х
RRFB Side Mount	\$ 19,000.00	\$ 35.00									Х			Х
RRFB Overhead	\$ 40,800.00	\$ 408.00												Х
RRFB on Island	\$ 21,000.00	\$ 210.00												Х
"Local Law" Overhead (R1-9a)	\$ 25,000.00	\$ 250.00												Х
Pedestrain Signal	\$ 4,800.00	\$ 48.00									Х			Х
Pavement Markings*	\$ 123.00	\$ -		Х										
High Visability Markings*	\$ 328.00	\$ -			Χ	Χ			Χ			Χ		
Pedestrain Island	\$ 23,500.00	\$ -						Χ		Х			Х	
Bump Outs	\$ 20,000.00	\$ -			_			Х		Х			Х	
Enhanced Lighting	\$ 8,250.00	\$ -									Χ			Х

<sup>\*</sup>The average crosswalk length of 30ft was used

## Attachment B Treatment Cost Ranges

	Stan	dard	Star	ndard+	High Risk		
Road Type	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	
Local	0	0	\$ 123.00	\$ 123.00	\$ 1,053.00	\$ 1,098.00	
Minor/Major Collector	\$ 328.00	\$ 328.00	\$ 725.00	\$ 770.00	\$ 1,202.50	\$ 26,047.00	
Minor/Major Arterial ≤ 3 Lanes	\$ 328.00	\$ 328.00	\$ 1,995.00	\$ 26,740.00	\$ 19,431.50	\$ 56,826.00	
Minor/Major Arterial ≥ 3 Lanes	\$ 1,053.00	\$ 1,848.00	\$ 862.50	\$ 24,811.00	\$ 21,397.50	\$ 81,727.00	

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Huron Pkwy Huron Pkwy Huron Pkwy Horon of Glazier Way Minor/Major Arterial ≥ 3 Lanes Maiden Ln Maiden Ln at Island Dr Minor/Major Arterial ≥ 3 Lanes Under review Standard+ TBD Maiden Ln Maiden Ln at Nisland Dr Minor/Major Arterial ≤ 3 Lanes Under review Standard+ TBD Miller Awe Miller Awe Miller Awe at Miller Standard+ Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe at Miller Awe at Miller Standard+ Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe at Gott St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe at Gott St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe ast of Fulmer St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe ast of Fulmer St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe ast of Hatcher Cres Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe at Chapin St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe at Chapin St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe at Chapin St. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Niller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Miller Awe Miller Awe and Pine Tree Dr. Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Ninor/Major Arte						ł	TBD TBD
Maiden In   Maiden In at Nelsen Ct   Minor/Major Arterial \$ 3 Lanes   Standard+   TBD	n Pkwy I	luron Pkwy just north of Glazier Way	Minor/Major Arterial ≥ 3 Lanes	Under review	High Risk	TBD	TBD
Miller Ave   Miller Ave axt of Newport Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt Miner \$t\$   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave axt of Standard+   No Improvemen   Miller Ave   Miller Ave axt of Standard+   No Improvemen   Miller Ave   Miller Ave axt of Standard+   No Improvemen   Miller Ave   Miller Ave axt of Standard+   No Improvemen   Miller Ave   Miller Ave axt of Fulmer \$t\$   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave east of Fulmer \$t\$   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   Minor/Major Arterial \$ 3 Lanes   Standard+   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   No Improvemen   Miller Ave   Miller Ave axt of Pomona Rd   No Improvemen   Miller Ave   Miller Ave							TBD TBD
Miller Ave Miller Ave at Gott St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave east of Saunders Cres Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave east of Fulmer St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave east of Huther Cres Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave east of Hatcher Cres Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave Ave Tonona Rd Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave Ave at Chapin St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave at Bruce St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Prine Tree Dr Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Rd Miller Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Rd Miller Ave Ave Miller Mill	r Ave N	Ailler Ave east of Newport Rd	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improvem	ent Anticipated
Miller Ave         Miller Ave east of Faunders Cres         Minor/Major Arterial ≤ 3 Lanes         Standard+         Standard+         No Improvemen           Miller Ave         Miller Ave east of Fulmer St         Minor/Major Arterial ≤ 3 Lanes         Standard+         Standard+         No Improvemen           Miller Ave         Miller Ave at Order of Hatcher Cres         Minor/Major Arterial ≤ 3 Lanes         Standard+         Standard+         No Improvemen           Miller Ave         Miller Ave at Chapin St         Minor/Major Arterial ≤ 3 Lanes         Standard+         Standard+         No Improvemen           Miller Ave         Miller Ave at Chapin St         Minor/Major Arterial ≤ 3 Lanes         Standard+         Standard+         No Improvemen           Miller Ave         Miller Ave and Pine Tree Dr         Minor/Major Arterial ≤ 3 Lanes         Standard+         Standard+         No Improvemen           Miller Ave         Miller Ave and Brooks St         Minor/Major Arterial ≤ 3 Lanes         Standard+         No Improvemen           Miller Ave         Miller Ave and Brooks St         Minor/Major Arterial ≤ 3 Lanes         Standard+         No Improvemen           Miller Ave         Miller Ave and Brooks St         Minor/Major Arterial ≤ 3 Lanes         Standard+         No Improvemen           Miller Ave         Miller Ave         Minor/Major Arterial ≤ 3			·				
Miller Ave Miller Ave at Pomona Rd Miller Ave at Pomona Rd Miller Ave at Pomona Rd Miller Ave Miller Ave at Pomona Rd Miller Ave Standard+ No Improvemen Miller Ave Miller Ave at Chapin St Miller Ave Miller Ave Standard+ No Improvemen Miller Ave Miller Ave At Chapin St Miller Ave At Bruce St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Pine Tree Dr Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Mil	r Ave N	Miller Ave east of Saunders Cres	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improvem	ent Anticipated
Miller Ave Miller Ave at Pomona Rd Milnor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave at Chapin St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave at Bruce St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Pine Tree Dr Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Rd Miller Rd Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Rd Miller Rd Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Minor/Major Collector Standard+ Insufficient Data TBD Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N Seventh St at Major Rd Major Rd Major Rd Minor/Major Collector Standard+ Standard+ No Improvemen N Seventh St at Bath St Minor/Major Collector Standard+ Insufficient Data TBD Minor/M							
Miller Ave Miller Ave at Bruce St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Pine Tree Dr Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave and Brooks St Miller Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Rd Miller Rd at Kuehnle Ave Minor/Major Arterial ≤ 3 Lanes High Risk No Improvemen N Division St Miller Rd at Kuehnle Ave Minor/Major Arterial ≤ 3 Lanes High Risk No Improvemen N Division St N Divisions St at Detroit St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St at E Ann St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St N Division St at E Ann St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St	r Ave N	Miller Ave at Pomona Rd		Standard+	Standard+	No Improvem	ent Anticipated
Miller Ave Miller Ave and Pine Tree Dr Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen Miller Ave Miller Ave and Brooks St Miller Ave Miller Rd at Kuehnle Ave Miller Rd at			_ · · · ·		+		· · · · · · · · · · · · · · · · · · ·
Miller Ave Miller Ave and Brooks St Minor/Major Arterial ≤ 3 Lanes Miller Rd Miller Rd at Kuehnle Ave Minor/Major Arterial ≤ 3 Lanes High Risk No Improvemen N Division St N Division St at Detroit St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St at E Ann St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St and Lawrence St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St and Lawrence St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD N Ingalls St N Ingalls St at Lawrence N Ingalls St N Ingalls							•
N Division St N Divisions St at Detroit St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD N Division St Division St N Division St Division St N	r Ave N	Лiller Ave and Brooks St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improvem	ent Anticipated
N Division St N Division St at E Ann St Minor/Major Arterial ≤ 3 Lanes Standard+ Under review TBD  N Division St N Division St and Lawrence St Minor/Major Collector Standard+ Under review TBD  N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD  N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD  N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD  N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD  N Ingalls St N Ingalls St at Lawrence Local Standard+ Insufficient Data TBD  N Maple Rd N Maple Rd at Maple Village Ct Minor/Major Arterial ≥ 3 Lanes High Risk No Improvemen N Seventh St N Seventh St at Willow St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N Seventh St N Seventh St at Bath St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N State St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at Ungfl M CCTC Minor/Major Collector Standard+ Insufficient Data TBD N University Ave At University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD N University Ave At N University Ave At U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave At U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave At N D Improvemen N Minor/Major Collector Standard+ No Improvemen N No Improvemen N No R Nixon R No R			_ · · · ·	_	_	·	ent Anticipated TBD
N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD N Ingalls St N Ingalls St at Lawrence Local Standard+ Insufficient Data TBD N Maple Rd N Maple Rd at Maple Village Ct Minor/Major Arterial ≥ 3 Lanes High Risk High Risk No Improvemen N Seventh St N Seventh St at Willow St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N Seventh St N Seventh St at Bath St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N State St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD Newport Rd Newport Rd north of Red Oak Rd Minor/Major Collector Standard+ Standard No Improvemen Nixon Rd Nixon Rd north of Plymouth Rd Minor/Major Collector High Risk Standard+ No Improvemen Nixon Rd Nixon Rd at Bluett Dr	rision St N	N Division St at E Ann St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD  N Fifth Ave N Fifth Ave at Detroit St Minor/Major Collector Standard+ Under review TBD  N Ingalls St N Ingalls St at Lawrence Local Standard+ Insufficient Data TBD  N Maple Rd N Maple Rd at Maple Village Ct Minor/Major Arterial ≥ 3 Lanes High Risk High Risk No Improvemen  N Seventh St N Seventh St at Willow St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen  N Seventh St N Seventh St at Bath St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen  N Seventh St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD  Newport Rd Newport Rd north of Red Oak Rd Minor/Major Collector Standard+ Standard No Improvemen  Nixon Rd Nixon Rd north of Plymouth Rd Minor/Major Collector High Risk Standard+ No Improvemen  Nixon Rd Nixon Rd at Bluett Dr Minor/Major Collector High Risk Standard+ No Improvemen			' '				TBD TBD
N Ingalls St N Ingalls St at Lawrence Local Standard+ Insufficient Data TBD  N Maple Rd N Maple Rd at Maple Village Ct Minor/Major Arterial ≥ 3 Lanes High Risk High Risk No Improvemen  N Seventh St N Seventh St at Willow St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen  N Seventh St N Seventh St at Bath St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen  N State St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD  Newport Rd Newport Rd north of Red Oak Rd Minor/Major Collector Standard+ Standard No Improvemen  Nixon Rd Nixon Rd north of Plymouth Rd Minor/Major Collector High Risk Standard+ No Improvemen  Nixon Rd Nixon Rd at Bluett Dr Minor/Major Collector High Risk Standard+ No Improvemen	th Ave	N Fifth Ave at Detroit St	Minor/Major Collector	Standard+	Under review	TBD	TBD
N Maple Rd N Maple Rd at Maple Village Ct Minor/Major Arterial ≥ 3 Lanes High Risk High Risk No Improvement N Seventh St N Seventh St at Willow St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvement N Seventh St N Seventh St at Bath St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvement N Seventh St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave A University Ave N University Ave N University Ave A University Ave N N N N N N N N N N N N N N N N N N N			1				TBD TBD
N Seventh St N Seventh St at Willow St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N Seventh St N Seventh St at Bath St Minor/Major Arterial ≤ 3 Lanes Standard+ Standard+ No Improvemen N State St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD Newport Rd Newport Rd Newport Rd Newport Rd Newport Rd Nixon Rd Nixon Rd Nixon Rd Nixon Rd Nixon Rd Nixon Rd Bluett Dr Minor/Major Collector High Risk Standard+ No Improvemen Nixon Rd Nixon Rd Standard+ No Improvemen Minor/Major Collector High Risk Standard+ No Improvemen Nixon Rd Nixon Rd at Bluett Dr							TBD ent Anticipated
N State St N State St at Lawrence St Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD  Newport Rd Newport Rd north of Red Oak Rd Minor/Major Collector Standard+ Insufficient Data TBD  Newport Rd Newport Rd north of Red Oak Rd Minor/Major Collector Standard+ Standard No Improvemen  Nixon Rd Nixon Rd north of Plymouth Rd Minor/Major Collector High Risk Standard+ No Improvemen  Nixon Rd Nixon Rd at Bluett Dr Minor/Major Collector High Risk Standard+ No Improvemen	venth St	N Seventh St at Willow St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improvem	ent Anticipated
N University Ave N University Ave at Ingalls Mall Minor/Major Collector Standard+ Insufficient Data TBD  N University Ave N University Ave at U of M CCTC Minor/Major Collector Standard+ Insufficient Data TBD  Newport Rd Newport Rd north of Red Oak Rd Minor/Major Collector Standard+ Standard No Improvemen  Nixon Rd Nixon Rd north of Plymouth Rd Minor/Major Collector High Risk Standard+ No Improvemen  Nixon Rd Nixon Rd at Bluett Dr Minor/Major Collector High Risk Standard+ No Improvemen			, ,				ent Anticipated TBD
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Nixon RdNixon Rd north of Plymouth RdMinor/Major CollectorHigh RiskStandard+No ImprovemenNixon RdNixon Rd at Bluett DrMinor/Major CollectorHigh RiskStandard+No Improvemen		,	· · ·		+		TBD
Nixon Rd Nixon Rd at Bluett Dr Minor/Major Collector High Risk Standard+ No Improvemen		,	1				
Batters Del Jacobs of Terror Delect	n Rd N	vixon Rd at Bluett Dr	Minor/Major Collector	High Risk	Standard+		· ·
Nixon Rd Nixon Rd south of Traver Blvd Minor/Major Collector Standard+ Standard+ No Improvemen  Nixon Rd Nixon Rd at Aurora St Minor/Major Collector Standard Standard+ \$ 725.00 \$	-						
Observatory St Observatory St at Washington Hts Local Standard Standard No Improvemen			·				

					Cost of Impro	vement (est)
Street	Location	Road Type	Existing Design	Target Design Level*	Minimum	Maximum
Observatory St	Observatory St N of Geddes Ave	Local	Standard+	Standard	No Improveme	
Packard Rd Packard Rd	Packard Rd just east of Hikone Dr at Buhr Park  Packard Rd near Burton Rd	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≥ 3 Lanes	High Risk High Risk	High Risk High Risk	No Improveme No Improveme	· · · · · · · · · · · · · · · · · · ·
Packard Rd	Packard Rd at Woodmanor Ct/Buhr Park	Minor/Major Arterial ≥ 3 Lanes	High Risk	High Risk	No Improveme	nt Anticipated
Packard St Packard St	Packard St at Rosewood  Packard St NW of Stone School	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≥ 3 Lanes	Standard+ Standard+	Standard+ Standard+	No Improveme No Improveme	
Packard St	Packard St and Morton Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard	No Improveme	•
Packard St	Packard St and Gardner Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard	No Improveme	<u> </u>
Packard St Packard St	Packard St and Brooklyn Ave Packard St and Brooklyn Ave	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard Standard	Standard Standard	No Improveme	
Packard St	Packard St and Woodlawn Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard	No Improveme	<u> </u>
Packard St	Packard St and Sylvan Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard	No Improveme	<u> </u>
Packard St Packard St	Packard St and Brookwood Pl Packard St and E University	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard Standard	Standard Standard	No Improveme No Improveme	
Packard St	Packard St and Vaughn St	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard	No Improveme	nt Anticipated
Packard St Packard St	Packard St and Arch St  Packard St at Coler	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard Standard	Standard Standard	No Improveme No Improveme	· · · · · · · · · · · · · · · · · · ·
Pauline Blvd	Pauline Blvd at Redeemer Ave	Minor/Major Collector	Standard+	Standard	No Improveme	
Pauline Blvd	Pauline Blvd at Fifth St	Minor/Major Collector	Standard+	Standard	No Improveme	•
Pauline Blvd Pauline Blvd	Pauline Blvd west of W Stadium Blvd Pauline Blvd at Hutchins Ave	Minor/Major Collector Minor/Major Collector	Standard+ Standard+	Standard Standard	No Improveme No Improveme	
Pauline Blvd	Pauline Blvd at Edgewood	Minor/Major Collector	Standard	Standard	No Improveme	
Pauline Blvd	Pauline Blvd at Arbordale St	Minor/Major Collector	Standard	Standard	No Improveme	· · · · · · · · · · · · · · · · · · ·
Platt Rd Platt Rd	Platt Rd at Edgewood Dr Platt Rd south of Redwood Ave	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Standard+ Standard+	No Improveme No Improveme	•
Platt Rd	Platt Rd north of Williamsburg Dr	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improveme	•
Platt Rd	Platt Rd north of Redwood Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improveme	•
Platt Rd Plymouth Rd	At Summers Knoll school  Plymouth Rd east of Traverwood Dr	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≥ 3 Lanes	Standard+ High Risk	Standard High Risk	No Improveme	•
Plymouth Rd	Plymouth Rd east of Traverwood Dr  Plymouth Rd west of Commonwealth Blvd	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≥ 3 Lanes	High Risk	High Risk	No Improveme	•
Plymouth Rd	Plymouth Rd west of Beal Ave	Minor/Major Arterial ≥ 3 Lanes	High Risk	High Risk	No Improveme	nt Anticipated
Plymouth Rd Pontiac St	Plymouth Rd west of Bishop St  Pontiac Trl at Taylor St	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	High Risk Standard+	High Risk Standard	No Improveme No Improveme	
Pontiac St Pontiac St	Pontiac Tri at Taylor St  Pontiac St at Apple St	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Standard	No Improveme	•
Pontiac St	Pontiac St at Bowen St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard	No Improveme	nt Anticipated
Pontiac St	Pontiac St at Moore/Longshore Pontiac Trl south of Arrowwood Trl	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard	No Improveme	
Pontiac Trl Pontiac Trl	Pontiac Tri south of Arrowwood Tri  Pontiac Tri at Montana Way	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Standard Standard	No Improveme	<u> </u>
Pontiac Trl	Pontiac Trl at Polson St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard	No Improveme	•
S Ashley St S Division St	S Ashley St at W Jefferson S Division St at E Jefferson St	Minor/Major Collector Minor/Major Arterial ≤ 3 Lanes	Under review Standard+	Insufficient Data Under review	TBD TBD	TBD TBD
S First St	S First St at W Jefferson	Minor/Major Collector	Standard+ Standard+	Insufficient Data	TBD	TBD
S Forest Ave	S Forest Ave at Willard	Local	Standard+	Insufficient Data	TBD	TBD
S Industrial Blvd	S Industrial Blvd and Rosewood St	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard+	\$ 1,995.00	
S Industrial Hwy S Industrial Hwy	S Industrial Hwy at Jewett Ave S Industrial Hwy at Astor Ave	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard Standard	Standard+ Standard+	\$ 1,995.00 \$ 1,995.00	· · · · ·
S Main St	S Main St at W Oakbrook Dr	Minor/Major Arterial ≤ 3 Lanes	Under review	Under review	TBD	TBD
S Main St	S Main St at Fieldcrest St	Minor/Major Arterial ≤ 3 Lanes	Under review	Under review	TBD	TBD
S Main St S Main St	S Main St and E Hoover Ave S Main St at Keech Ave	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≥ 3 Lanes	Under review Under review	Under review Under review	TBD TBD	TBD TBD
S Maple Rd	S Maple Rd at Dicken Dr	Minor/Major Arterial ≤ 3 Lanes	Standard	Under review	TBD	TBD
S Maple Rd	S Maple Rd at Pennsylvania S Maple Rd at Winewood Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Under review	TBD	TBD
S Maple Rd S Seventh St	S Seventh St south of W Washington St	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard High Risk	Under review Standard+	TBD No Improveme	TBD nt Anticipated
S Seventh St	S Seventh St near Pioneer High School	Minor/Major Arterial ≤ 3 Lanes	High Risk	High Risk	No Improveme	
S Seventh St S Seventh St	S Seventh at Lutz Ave S Seventh St at Murray Ct	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Standard+ Standard+	No Improveme No Improveme	•
S Seventh St	S Seventh St at Princeton Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improveme	
S Seventh St	S Seventh St at W Davis St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improveme	
S Seventh St S Seventh St	S Seventh St at Franklin Blvd S Seventh St at Delaware Dr	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Standard+ Standard+	No Improveme No Improveme	
S Seventh St	S Seventh St north of Jefferson	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improveme	
S Seventh St	S Seventh St at Potter	Minor/Major Arterial ≤ 3 Lanes	Standard+	Standard+	No Improveme	
S State St S State St	S State St at U of M Angell Hall S State St at Granger Ave	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard Standard	High Risk High Risk	\$ 19,431.50 \$ 19,431.50	
S State St	S State St Mid-Block at Stadium Bridge	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	
S State St	S State St Mid-Block near Michigan Union	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	
S State St S State St	S State St at Arch St S State St at McKinley Ave	Minor/Major Arterial ≤ 3 Lanes Minor/Major Arterial ≤ 3 Lanes	Standard Standard	High Risk High Risk	\$ 19,431.50 \$ 19,431.50	
S University Ave	S University Ave and Walnut St	Local	Standard+	Insufficient Data	TBD	TBD
S University Ave	S University Ave at Tappa St	Local	Standard+	Insufficient Data	TBD	TBD
S University Ave Scio Church Rd	S University Ave at Tappan St Scio Church Rd at Greenview Dr	Local  Minor/Major Arterial ≤ 3 Lanes	Standard+ High Risk	Insufficient Data Under review	TBD TBD	TBD TBD
Scio Church Rd	Scio Church Rd and Chaucer Ct	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
Stone School Rd	Stone School Rd at Phascant Run	Minor/Major Collector	Standard+	Standard	No Improveme	•
Stone School Rd Stone School Rd	Stone School Rd at Pheasant Run Stone School Rd at Birch Hollow Dr	Minor/Major Collector Minor/Major Collector	Standard+ Standard+	Standard Standard	No Improveme No Improveme	
Stone School Rd	Stone School Rd at Pebble Creek	Minor/Major Collector	Standard+	Standard	No Improveme	nt Anticipated
Stone School Rd	Stone School Rd at Baylis N	Minor/Major Collector	Standard+	Standard	No Improveme	
Thompson St Traver Blvd	Thompson St  Traver Blvd west of Nixon Rd	Minor/Major Arterial ≤ 3 Lanes Local	Standard+ High Risk	Insufficient Data Under review	No Improveme TBD	nt Anticipated TBD
Tuebingen Pkwy	Tuebingen Pkwy at Lancashire	Local	Standard	Insufficient Data	No Improveme	
Victors Way	Victors Way at S State St	Local Advisor Arterial C 2 Longo	Standard	Insufficient Data	No Improveme	· · · · · · · · · · · · · · · · · · ·
W Liberty St W Liberty St	W Liberty St west of Dartmoor Rd W Liberty St just west of Virginia Ave	Minor/Major Arterial ≤ 3 Lanes Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Under review Under review	TBD TBD	TBD TBD
W Liberty St	W Liberty St at Liberty Point Dr	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St just east of Virgina Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St W Liberty St	W Liberty St at Crest Ave W Liberty St at Fourth St	Minor/Major Arterial ≤ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	Standard+ Standard+	Under review Under review	TBD TBD	TBD TBD
W Liberty St	W Liberty St at Houring Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at Fourth St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Madison St W Madison St	W Madison St at Fifth St W Madison St at Third St	Minor/Major Collector Minor/Major Collector	Standard+ Standard+	Under review Under review	TBD TBD	TBD TBD
W Madison St	W Madison St at Filling St W Madison St at Second St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at S Ashley St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Oakbrook Dr W Stadium Blvd	W Oakbrook Dr Midblock at Cranbrook Park W Stadium Blvd at Greenview Dr	Minor/Major Collector Minor/Major Arterial ≤ 3 Lanes	Under review High Risk	Under review High Risk	TBD No Improveme	TBD nt Anticipated
W Stadium Blvd	W Stadium Blvd at Greenview Di	Minor/Major Arterial ≤ 3 Lanes	High Risk	High Risk	No Improveme	<u> </u>
	W Stadium Blvd at Thaler Ave	Minor/Major Arterial ≥ 3 Lanes	High Risk	High Risk	No Improveme	nt Anticipated
W Stadium Blvd						nt Anticinated
W Stadium Blvd	W Stadium Blvd at Collingwood Dr W Stadium Blvd at Kay Pkwy	Minor/Major Arterial ≥ 3 Lanes  Minor/Major Arterial ≤ 3 Lanes	High Risk High Risk	High Risk High Risk	No Improveme	
	W Stadium Blvd at Collingwood Dr W Stadium Blvd at Kay Pkwy W Stadium between W Liberty St and Federal Blvd	Minor/Major Arterial ≥ 3 Lanes Minor/Major Arterial ≤ 3 Lanes Minor/Major Arterial ≥ 3 Lanes	High Risk High Risk High Risk	High Risk High Risk High Risk	No Improveme No Improveme No Improveme	nt Anticipated
W Stadium Blvd W Stadium Blvd	W Stadium Blvd at Kay Pkwy	Minor/Major Arterial ≤ 3 Lanes	High Risk	High Risk	No Improveme	nt Anticipated

					Cost of Impro	ovement (est)
Street	Location	Road Type	Existing Design	Target Design Level*	Minimum	Maximum
Nixon Rd	Nixon Rd at Aurora St	Minor/Major Collector	Standard	Standard+	\$ 725.00	
Depot St	Depot St at N Fourth Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard+	\$ 1,995.00	
Depot St	Depot St at Carey St	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard+	\$ 1,995.00	\$ 26,740.00
S Industrial Blvd	S Industrial Blvd and Rosewood St	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard+	\$ 1,995.00	\$ 26,740.00
S Industrial Hwy	S Industrial Hwy at Jewett Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard+	\$ 1,995.00	\$ 26,740.00
S Industrial Hwy	S Industrial Hwy at Astor Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Standard+	\$ 1,995.00	\$ 26,740.00
S State St	S State St at U of M Angell Hall	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	\$ 56,826.00
S State St	S State St at Granger Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	\$ 56,826.00
S State St	S State St Mid-Block at Stadium Bridge	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	
S State St	S State St Mid-Block at Michigan Union	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	
S State St	S State St at Arch St	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	\$ 56,826.00
S State St	S State St at McKinley Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	High Risk	\$ 19,431.50	
E Huron St	E Huron St at N Thayer St	Minor/Major Arterial ≥ 3 Lanes	Standard+	High Risk	\$ 21,397.50	\$ 81,727.00
Catherine St Catherine St	Catherine St at Detroit St  Catherine St at N Ingalls	Local Local	Standard+ Standard+	Insufficient Data Insufficient Data	TBD TBD	TBD TBD
	Catherine St at N Thayer St	<b>+</b>	Standard+	Insufficient Data	TBD	TBD
Catherine St Catherine St	Catherine St near Zina Pitcher	Local Local	Standard+	Insufficient Data	TBD	TBD
Church St	Church St Mid-block	Local	High Risk	Insufficient Data	TBD	TBD
Commerce Dr	Commerce Dr at Pennsylvania	Local	Standard	Under review	TBD	TBD
Depot St	Depot St at N Fifth Ave	Minor/Major Arterial ≤ 3 Lanes	Under review	Standard+	TBD	TBD
E Hoover Ave	E Hoover Ave at S Division St	Minor/Major Collector	Standard	Under review	TBD	TBD
E Hoover Ave	E Hoover Ave at 5 Division St  E Hoover Ave at Sybil St	Minor/Major Collector	Standard	Under review	TBD	TBD
E Kingsley St	E Kingsley St and N Ingalls St	Local	Standard+	Insufficient Data	TBD	TBD
E Kingsley St	E Kingsley St at N Thayer St	Local	Standard	Insufficient Data	TBD	TBD
E University Ave	E University Ave at Willard St	Local	Standard	Insufficient Data	TBD	TBD
E Washington St	E Washington - Division/State	Local	Standard+	Insufficient Data	TBD	TBD
Fletcher St	Fletcher St at University Health Services	Local	Standard+	Insufficient Data	TBD	TBD
Fletcher St	Fletcher St at E Washtington St	Local	Standard	Insufficient Data	TBD	TBD
Greenview Dr	Greenview Dr at Glen Leven	Local	Standard+	Insufficient Data	TBD	TBD
Huron Pkwy	Huron Pkwy south of Lakehaven Dr at Huron High School Entrance	Minor/Major Arterial ≥ 3 Lanes	Under review	High Risk	TBD	TBD
Huron Pkwy	Huron Pkwy just south of Glazier Way	Minor/Major Arterial ≥ 3 Lanes	Under review	High Risk	TBD	TBD
Huron Pkwy	Huron Pkwy at Baxter	Minor/Major Arterial ≥ 3 Lanes	Under review	High Risk	TBD	TBD
Huron Pkwy	Huron Pkwy just north of Glazier Way	Minor/Major Arterial ≥ 3 Lanes	Under review	High Risk	TBD	TBD
Maiden Ln	Maiden Ln at Island Dr	Minor/Major Arterial ≤ 3 Lanes	Under review	Standard+	TBD	TBD
Maiden Ln	Maiden Ln at Nielsen Ct	Minor/Major Arterial ≤ 3 Lanes	Under review	Standard+	TBD	TBD
N Division St	N Divisions St at Detroit St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
N Division St	N Division St at E Ann St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
N Division St	N Division St and Lawrence St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
N Fifth Ave	N Fifth Ave at Detroit St	Minor/Major Collector	Standard+	Under review	TBD	TBD
N Fifth Ave	N Fifth Ave at Detroit St	Minor/Major Collector	Standard+	Under review	TBD	TBD
N Fifth Ave	N Fifth Ave at Detroit St	Minor/Major Collector	Standard+	Under review	TBD	TBD
N Ingalls St	N Ingalls St at Lawrence	Local	Standard+	Insufficient Data	TBD	TBD
N State St	N State St at Lawrence St	Minor/Major Collector	Standard+	Insufficient Data	TBD	TBD
N University Ave	N University Ave at Ingalls Mall	Minor/Major Collector	Standard+	Insufficient Data	TBD	TBD
N University Ave	N University Ave at U of M CCTC	Minor/Major Collector	Standard+	Insufficient Data	TBD	TBD
S Ashley St	S Ashley St at W Jefferson	Minor/Major Collector	Under review	Insufficient Data	TBD	TBD
S Division St	S Division St at E Jefferson St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
S First St	S First St at W Jefferson	Minor/Major Collector	Standard+	Insufficient Data	TBD	TBD
S Forest Ave	S Forest Ave at Willard	Local	Standard+	Insufficient Data	TBD	TBD
S Main St	S Main St at W Oakbrook Dr	Minor/Major Arterial ≤ 3 Lanes	Under review	Under review	TBD	TBD
S Main St	S Main St at Fieldcrest St	Minor/Major Arterial ≤ 3 Lanes	Under review	Under review	TBD	TBD
S Main St	S Main St and E Hoover Ave	Minor/Major Arterial ≥ 3 Lanes	Under review	Under review	TBD	TBD
S Main St	S Main St at Keech Ave	Minor/Major Arterial ≥ 3 Lanes	Under review	Under review	TBD	TBD
S Maple Rd	S Maple Rd at Dicken Dr	Minor/Major Arterial ≤ 3 Lanes	Standard	Under review	TBD	TBD
S Maple Rd	S Maple Rd at Pennsylvania	Minor/Major Arterial ≤ 3 Lanes	Standard	Under review	TBD	TBD
S Maple Rd	S Maple Rd at Winewood Ave	Minor/Major Arterial ≤ 3 Lanes	Standard	Under review	TBD	TBD
S University Ave	S University Ave and Walnut St	Local	Standard+	Insufficient Data	TBD	TBD
S University Ave	S University Ave and Linden St	Local	Standard+	Insufficient Data	TBD	TBD
S University Ave	S University Ave at Tappan St	Local	Standard+	Insufficient Data	TBD	TBD
Scio Church Rd	Scio Church Rd at Greenview Dr	Minor/Major Arterial ≤ 3 Lanes	High Risk	Under review	TBD	TBD
Scio Church Rd	Scio Church Rd and Chaucer Ct	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
Traver Blvd	Traver Blvd west of Nixon Rd	Local	High Risk	Under review	TBD	TBD
W Liberty St	W Liberty St west of Dartmoor Rd	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St just west of Virginia Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St at Liberty Point Dr	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St just east of Virgina Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St at Crest Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St at Fourth St	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Liberty St	W Liberty St at Murray Ave	Minor/Major Arterial ≤ 3 Lanes	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at Fourth St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at Fifth St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at Third St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at Second St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Madison St	W Madison St at S Ashley St	Minor/Major Collector	Standard+	Under review	TBD	TBD
W Oakbrook Dr	W Oakbrook Dr Midblock at Cranbrook Park	Minor/Major Collector	Under review	Under review	TBD	TBD
Washtenaw Ave	Washtenaw Ave at Tappan Middle School	Minor/Major Arterial ≥ 3 Lanes	High Risk	Under review	TBD	TBD
				Total Cost Range:	\$ 148,686.50	\$ 557,153.00