

1. City Council Meeting Agenda

Documents:

[REGULAR COUNCIL - 07 APR 2020 - AGENDA.PDF](#)

2. City Council Meeting Packet

Documents:

[REGULAR COUNCIL - 07 APR 2020 - PACKET.PDF](#)



**CITY OF YPSILANTI
REGULAR COUNCIL MEETING
Tuesday, April 7, 2020 @ 7:00 PM
Virtual Meeting
One South Huron, Ypsilanti, MI 48197**

Page

I. CALL TO ORDER

II. ROLL CALL

III. AGENDA APPROVAL

IV. PUBLIC COMMENT (3 MINUTES)

V. CONSENT AGENDA

- A. Resolution No. 2020-072, approving the Consent Agenda.
- B. Resolution No. 2020-073, approving the minutes of March 3 and March 17, 2020.
- C. Resolution No. 2020-074, approving appointments to Boards and Commissions.
- D. Resolution No. 2020-066, approving Ordinance 1356 - An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58-61. **(Second Reading). (Postponed March 17th)**

VI. RESOLUTIONS/MOTIONS/DISCUSSIONS

- A. Resolution No. 2020-064, authorizing the City Manager to adjust the Capital Budget for Parking Equipment. **(Postponed March 17th)**
- B. Resolution No. 2020-065, approving an agreement with Ypsilanti Community Utilities Authority for the reimbursement of water main costs. **(Postponed March 17th)**
- C. Resolution No. 2020-075, authorizing The Director of Public Services and OHM to apply to the Michigan Department of Transportation's Local Bridge Program for rehabilitation of the Forest Ave bridge.
- D. Resolution No. 2020-076, authorizing the Director of Public Services and OHM to apply to the Michigan Department of Transportation's Local Bridge Program seeking financial assistance for preventative maintenance work on the LeForge Street and Factory Street bridges.

- E. Resolution No. 2020-077, approving the ballot language for a Charter Amendment extending nomination power to the Mayor and Two Council Members for the Board of Ethics.
- F. Resolution No. 2020-078, approving the ballot language for a Charter Amendment extending nomination power to the Mayor and Two Council Members for Boards and Commissions.

VII. COMMUNICATIONS FROM THE MAYOR

A. NOMINATION

PARKS AND RECREATION COMMISSION

Cathy Thorburn **(Exp 7/1/2023) - Reappointment**

1212 Sherman

Ypsilanti, MI 48197

VIII. ADJOURNMENT

- A. Resolution No. 2020-079, adjourning the City Council Meeting.
- B. Please click [here](#) to access the City Council Contact Form. This form can be used to submit any comments/concerns you might have about this agenda.



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I. CALL TO ORDER

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IV. PUBLIC COMMENT (3 MINUTES)

V. CONSENT AGENDA

- 3** A. Resolution No. 2020-072, approving the Consent Agenda.
[2020-072 - Pdf](#)
- 4 - 16** B. Resolution No. 2020-073, approving the minutes of March 3 and March 17, 2020.
[2020-073 - Pdf](#)
- 17** C. Resolution No. 2020-074, approving appointments to Boards and Commissions.
[2020-074 - Pdf](#)
- 18 - 22** D. Resolution No. 2020-066, approving Ordinance 1356 - An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58-61. **(Second Reading). (Postponed March 17th)**
[2020-066 - Pdf](#)

VI. RESOLUTIONS/MOTIONS/DISCUSSIONS

- 23 - 25** A. Resolution No. 2020-064, authorizing the City Manager to adjust the Capital Budget for Parking Equipment. **(Postponed March 17th)**
[2020-064 - Pdf](#)
- 26 - 35** B. Resolution No. 2020-065, approving an agreement with Ypsilanti Community Utilities Authority for the reimbursement of water main costs. **(Postponed March 17th)**
[2020-065 - Pdf](#)
- 36 - 57** C. Resolution No. 2020-075, authorizing The Director of Public Services and OHM to apply to the Michigan Department of Transportation's Local Bridge Program for rehabilitation of the Forest Ave bridge.
[2020-075 - Pdf](#)

- 58 - 106** D. Resolution No. 2020-076, authorizing the Director of Public Services and OHM to apply to the Michigan Department of Transportation's Local Bridge Program seeking financial assistance for preventative maintenance work on the LeForge Street and Factory Street beidges.
[2020-076 - Pdf](#)
- 107 - 109** E. Resolution No. 2020-077, approving the ballot language for a Charter Amendment extending nomination power to the Mayor and Two Council Members for the Board of Ethics.
[2020-077 - Pdf](#)
- 110 - 111** F. Resolution No. 2020-078, approving the ballot language for a Charter Amendment extending nomination power to the Mayor and Two Council Members for Boards and Commissions.
[2020-078 - Pdf](#)

VII. COMMUNICATIONS FROM THE MAYOR

A. NOMINATION

PARKS AND RECREATION COMMISSION

Cathy Thorburn (**Exp 7/1/2023**) - **Reappointment**

1212 Sherman

Ypsilanti, MI 48197

VIII. ADJOURNMENT

- 112** A. Resolution No. 2020-079, adjourning the City Council Meeting.
[2020-079 - Pdf](#)
- B. Please click [here](#) to access the City Council Contact Form. This form can be used to submit any comments/concerns you might have about this agenda.



Resolution No. 2020-072
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:
That the following items be approved:

1. **Resolution No. 2020-073, approving the minutes of March 3 and March 17, 2020.**
2. **Resolution No. 2020-074, approving appointments to Boards and Commissions.**
3. **Resolution No. 2020-066, approving Ordinance 1356 - An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58-61. (Second Reading). (Postponed March 17th)**

OFFERED BY: _____

SECONDED BY: _____

YES:

NO:

ABSENT:

VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this
7 day of April 2020

#Resolution No. 2020-072



Resolution No. 2020-073
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

THAT the minutes of March 3 and March 17, 2020 be approved.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this
7 day of April 2020

#Resolution No. 2020-073



MINUTES REGULAR COUNCIL Meeting

7:00 PM - Tuesday, March 3, 2020
Council Chambers

The REGULAR COUNCIL of the City of Ypsilanti was called to order on Tuesday, March 3, 2020, at 7:00 PM, in the Council Chambers, with the following members present:

PRESENT: Mayor Beth Bashert, Council Member Jennifer Symanns, Council Member Steven Wilcoxon, Council Member Nicole Brown, Mayor Pro-Tem Lois Richardson, Council Member Anthony Morgan, and Council Member Annie Somerville

I. CALL TO ORDER

The meeting was called to order at 6:30 p.m.

II. ROLL CALL

Council Member Steven Wilcoxon moved, seconded by Mayor Pro-Tem Lois Richardson, to excuse Council Member Morgan.

RESULT:	CARRIED.
MOVER:	Council Member Steven Wilcoxon
SECONDER:	Mayor Pro-Tem Lois Richardson
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, and Annie Somerville
ABSENT:	Anthony Morgan

III. INVOCATION

IV. PLEDGE OF ALLEGIANCE

- a) I pledge allegiance to the flag, of the United States of America, and to the Republic for which it stands, one nation, under God, indivisible, with liberty and justice for all.

V. AGENDA APPROVAL

The agenda was approved as submitted.

VI. CLOSED SESSION - 6:30 PM TO 7:00 PM

- a) Pending Litigation, Collins v the City of Ypsilanti. *MCL 15.268(e)*

The meeting was adjourned to closed session 6:03 p.m.

Council Member Jennifer Symanns moved, seconded by Council Member Steven Wilcoxon, to adjourn to closed session.

RESULT:	CARRIED.
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MOVER:	Council Member Jennifer Symanns
SECONDER:	Council Member Steven Wilcoxen
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxen, Nicole Brown, Lois Richardson, and Annie Somerville
ABSENT:	Anthony Morgan

Mayor Pro-Tem Lois Richardson moved, seconded by Council Member Jennifer Symanns, to reconvene to open session.

The meeting reconvened at 7:00 p.m.

RESULT:	CARRIED.
MOVER:	Mayor Pro-Tem Lois Richardson
SECONDER:	Council Member Jennifer Symanns
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxen, Nicole Brown, Lois Richardson, and Annie Somerville
ABSENT:	Anthony Morgan

VII. INTRODUCTIONS

Mayor Bashert introduced the following individuals: Deputy City Clerk Sarah Stachnik, DDA Director Christopher Jacobs, Economic Development Director Joe Meyers, City Manager Frances McMullan, City Attorney John Barr, City Clerk Andrew Hellenga, and Project Manager Bonnie Wessler.

VIII. PRESENTATIONS

IX. PUBLIC COMMENT (3 MINUTES)

X. PUBLIC HEARING

- a) Approving a redevelopment liquor license for 101 Huron.
 - 1. Resolution No. 2020-050, determination.
 - 2. Public Hearing
 - 3. Resolution No. 2020-051. close the public hearing

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, Richard Muszynski, owner of Shelter Bay Realty, LLC, has applied to the Ypsilanti Downtown Development Authority, City of Ypsilanti and Michigan Liquor Control Commission requesting the following:

Approval of a Redevelopment Class C license, MCL 436.1521(a)(1)(b), with a Dance/Entertainment permit, a Class C license, as defined by MCL 436.1107(2), is a place licensed to sell, at retail, beer, wine, mixed spirit drink, and spirits for consumption on the premises at 101 W. Michigan, Ypsilanti, MI 48197, Washtenaw County; and

WHEREAS, a public hearing to consider the application to Class C for Shelter Bay Realty, LLC was duly noticed and held on March 3, 2020

NOW, THEREFORE, BE IT RESOLVED THAT the request of Richard Muszynski, owner of the property located at 101 W. Michigan be approved

contingent upon Building Department approval and Issuance of Certificate of Occupancy as well as Washtenaw County Health Department approval.

DDA Director Jacobs presented the redevelopment liquor license application.

Mayor Bashert opened the public hearing:
One person spoke.

**Council Member Nicole Brown moved, seconded by Council Member Jennifer Symanns, to approve Resolution No. 2020-051.
RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:**

That the public hearing to consider a redevelopment liquor license for Shelter Bay Realty, LLC be officially closed.

RESULT:	CARRIED.
MOVER:	Council Member Nicole Brown
SECONDER:	Council Member Jennifer Symanns
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, and Annie Somerville
ABSENT:	Anthony Morgan

Council Member Nicole Brown moved, seconded by Council Member Jennifer Symanns, to approve Resolution No. 2020-050.

RESULT:	CARRIED.
MOVER:	Council Member Nicole Brown
SECONDER:	Council Member Jennifer Symanns
AYES:	Jennifer Symanns, Nicole Brown, Beth Bashert, Steven Wilcoxon, and Lois Richardson
NAYS:	Annie Somerville
ABSENT:	Anthony Morgan

XI. ORDINANCES FIRST READING

- a) *Ordinance 1356* - An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58-61.
1. Resolution No. 2020-052, determination.
 2. Public Hearing
 3. Resolution No. 2020-053. close the public hearing

IT IS RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI that:

An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58 – 61 Intent, to add felony ~~criminal~~ conviction to the anti-discrimination ordinance as a city protected class be adopted on first reading.

Mayor Bashert opened the public hearing.

Six people spoke.

Council Member Annie Somerville moved, seconded by Council Member Steven Wilcoxon, to approve Resolution No. 2020-053.

IT IS RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI that:

That the public hearing for an ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58 – 61 Intent, to add felony criminal conviction to the anti-discrimination ordinance as a city protected class be officially closed.

RESULT:	CARRIED.
MOVER:	Council Member Annie Somerville
SECONDER:	Council Member Steven Wilcoxon
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

Council Member Annie Somerville moved, seconded by Council Member Nicole Brown, to approve Resolution No. 2020-052 as amended.

RESULT:	CARRIED.
MOVER:	Council Member Annie Somerville
SECONDER:	Council Member Nicole Brown
AYES:	Nicole Brown, Annie Somerville, Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Lois Richardson, and Anthony Morgan

XII. CONSENT AGENDA

- a)** Resolution No. 2020-054, approving the Consent Agenda.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

That the following items be approved:

1. Resolution No. 2020-055, approving the minutes of February 18, 2020.
1. Resolution No. 2020-056, approving appointments to Boards and Commissions.

Council Member Steven Wilcoxon moved, seconded by Council Member Annie Somerville, to approve resolution No. 2020-057.

RESULT:	CARRIED.
MOVER:	Council Member Steven Wilcoxon
SECONDER:	Council Member Annie Somerville
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- b)** Resolution No. 2020-055, approving the minutes of February 18, 2020.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

THAT the minutes of February 18, 2020 be approved.

- c) Resolution No. 2020-056, approving appointments to Boards and Commissions.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

THAT, the following individuals be appointed to the City of Ypsilanti Boards and Commissions as indicated below:

<u>NAME</u>	<u>BOARD</u>	<u>EXPIRATION</u>
Eric Bettis New Member 303 N. Wallace Blvd. Ypsilanti, MI48197	Planning Commission	5/1/2023

XIII. RESOLUTIONS/MOTIONS/DISCUSSIONS

- a) Resolution No. 2020-057, approving resolution of support for state approval of pre-trial incarceration alternatives.

Council Member Nicole Brown moved, seconded by Council Member Jennifer Symanns, move to postpone Resolution No. 2020-057.

RESULT:	CARRIED.
MOVER:	Council Member Nicole Brown
SECONDER:	Council Member Jennifer Symanns
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- b) Resolution No. 2020-058, approving Ordinance 1356 - an Ordinance entitled 2019 Winter Traffic Control Orders. **(Second Reading)**

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, the Traffic Review Committee has reviewed several traffic control requests and made appropriate recommendations based on best practices, City ordinance, and City policy; and

WHEREAS, the City Council reviewed and approved policy direction for parking system changes in Downtown, Depot Town, and West Cross; and

WHEREAS, the Traffic Review Committee reviewed and recommended a public request to remove obsolete time-limited signage on Woodward; and

WHEREAS, the City Manager has seen fit to issue temporary Traffic Control Orders 2019-20, 21, 22, 23, 24, 25, 26, 28, and 30 based on said recommendations; and

WHEREAS, the City Manager recommends City Council provide final approval for the Traffic Control Orders listed above.

NOW THEREFORE BE IT RESOLVED, THAT the City Council hereby approves Traffic Control Orders as listed and adopts an ordinance entitled 2019 Winter Traffic Control Orders on Second and Final Reading.

Council Member Jennifer Symanns moved, seconded by Council Member Nicole Brown, to approve Resolution No. 2020-058.

RESULT:	CARRIED.
MOVER:	Council Member Jennifer Symanns
SECONDER:	Council Member Nicole Brown
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- c) Resolution No. 2020-059, approving MDOT Contract # 19-5640 for reconstruction of W. Cross from Courtland to Wallace.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

Whereas, Urban funding has been programmed in the Washtenaw County Transportation Improvement Program for the road reconstruction of W. Cross Street between Courtland and Wallace; and,

Whereas, the Michigan Department of Transportation has received bids for this project in which the scope of work includes hot mix asphalt (HMA) pavement full-depth reconstruction, concrete sidewalk ramp, concrete curb and gutter, storm sewer, pavement marking work, and all other necessary related work; and,

Whereas, it is necessary to enter into a contract with the Michigan Department of Transportation for the implementation of this project; and,

Now therefore be it resolved that that the City of Ypsilanti City Council approves the Michigan Department of Transportation Contract No. 19-5640; and

THAT the Mayor and City Clerk are authorized to sign this contract, subject to approval by the City Attorney, to facilitate completion of this work and any change orders shall be approved by the City Manager.

Council Member Jennifer Symanns moved, seconded by Council Member Anthony Morgan, to approve Resolution No. 2020-059.

RESULT:	CARRIED.
MOVER:	Council Member Jennifer Symanns
SECONDER:	Council Member Anthony Morgan
AYES:	Jennifer Symanns, Beth Bashert, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- d) Resolution No. 2020-060, authorizing the acceptance of the proposal from Harvey Electronics Inc for parking meter kiosks.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, City Council adopted the Ypsilanti Central Business District Parking Study and Strategy; and

WHEREAS, said document identifies a number of opportunities for improvement of Central Business District parking; and

WHEREAS, the proposed agreement would provide visitors with the ability to pay at multi-space meters using credit cards or coins, improving convenience and maintenance;

NOW THEREFORE BE IT RESOLVED that the Ypsilanti City Council authorize the acceptance of the proposal from Harvey Electronics, Inc, in the amount of \$88,318, and authorize the City Manager to execute the acceptance of the proposal on behalf of the City after approval by the City Attorney as to form.

Council Member Nicole Brown moved, seconded by Council Member Annie Somerville, to approve Resolution No. 2020-060.

RESULT:	CARRIED.
MOVER:	Council Member Nicole Brown
SECONDER:	Council Member Annie Somerville
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

XIV. BOARD AND COMMISSIONS - COMMUNICATIONS

- a) Board of Ethics - Recommendation for amendment to Article II of the City Code

Council Member Somerville, seconded by Council Member Wilcoxon moved to add the item to the next agenda.

XV. LIAISON REPORTS

1. SEMCOG Update
2. Washtenaw Area Transportation Study
3. Urban County - applying for \$125,000 grant for the train platform.
4. Ypsilanti Downtown Development Authority - city app upcoming.
5. Friends of Rutherford Pool - received bids for the roof. New board members.
6. Housing Equity Leadership Team
7. Youth Community Connection - gathering resources for youth centralized locations.

XVI. COUNCIL PROPOSED BUSINESS

Richardson

- Will be attending MML conference in DC.

Morgan

- Office hours have changed.

Symanns

- Elected Officials Academy Conference went well.

Somerville

- Email was out of commission for several days.
- Cannabis ordinance and application process needs to be amended. Will not support liquor licenses until cannabis is treated the same.

XVII. COMMUNICATIONS FROM THE MAYOR

- Excited about the snow event without complaints on social media. Thanked DPS and City Manager for the changes.
- Asked for report on metrics on the livestream.

XVIII. COMMUNICATIONS FROM THE CITY MANAGER

- In the middle of budget preparations.
- Next meeting will have DDA officer reports.
- First Freighthouse transition meeting was on Friday. Next meeting in two weeks. Staff is beginning to schedule events and is working to collaborate with social media presence.

XIX. COMMUNICATIONS

XX. PUBLIC COMMENT (3 MINUTES)

XXI. REMARKS FROM THE MAYOR

XXII. ADJOURNMENT

- a) Resolution No. 2020-061, adjourning the City Council Meeting.

The meeting adjourned at 8:45 p.m.

Council Member Annie Somerville moved, seconded by Council Member Anthony Morgan, to approve Resolution No. 2020-061.

RESULT:	CARRIED.
MOVER:	Council Member Annie Somerville
SECONDER:	Council Member Anthony Morgan
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- b) Please click [here](#) to access the City Council Contact Form. This form can be used to submit any comments/concerns you might have about this agenda.



MINUTES REGULAR COUNCIL Meeting

7:00 PM - Tuesday, March 17, 2020
Council Chambers

The REGULAR COUNCIL of the City of Ypsilanti was called to order on Tuesday, March 17, 2020, at 7:00 PM, in the Council Chambers, with the following members present:

PRESENT: Mayor Beth Bashert, Council Member Jennifer Symanns, Council Member Steven Wilcoxon, Council Member Nicole Brown, Mayor Pro-Tem Lois Richardson, Council Member Anthony Morgan, and Council Member Annie Somerville

I. CALL TO ORDER

The meeting was called to order at 7:00 p.m.

II. ROLL CALL

III. AGENDA APPROVAL

The agenda was approved as submitted.

IV. PRESENTATIONS

- a) Presentation regarding the NRTF Grant Application - Bonnie Wessler, Projects Manager

V. PUBLIC COMMENT (3 MINUTES)

2 comments were submitted electronically.

VI. RESOLUTIONS/MOTIONS/DISCUSSIONS

- a) Resolution No. 2020-064A, authorizing the submission of a development application to the Michigan Department of Natural Resources Trust Fund for the Huron Pathway Project.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, the City strongly supports safe nonmotorized transportation and safe access to recreation opportunities for people of all abilities and incomes; and

WHEREAS, the need for a safe crossing of I-94 at Huron Street for pedestrians and bicyclists is incorporated in the City's Master Plan, Nonmotorized Plan, and 5-year approved Parks and Recreation Master Plan; and

WHEREAS, a TAP grant has been awarded for the design and construction of such a crossing, administered by Washtenaw County Road Commission and MDOT, for an anticipated amount of \$3.3 million dollars for the construction, for which any NRTF award would be used as match; and

WHEREAS, the need for a safe crossing is incorporated in the City's Master Plan and Nonmotorized Plan; and

NOW THEREFORE BE IT RESOLVED, THAT the City Council hereby authorizes the submission of a development application to the Michigan Department of Natural Resources Natural Resources Trust Fund in the amount of \$300,000 for the Huron Pathway Project, matched by the conditional TAP award for State of Michigan fiscal year 2022, City fiscal year 2021-22.

Council Member Jennifer Symanns moved, seconded by Council Member Nicole Brown, to approve Resolution No. 2020-064A.

RESULT:	CARRIED.
MOVER:	Council Member Jennifer Symanns
SECONDER:	Council Member Nicole Brown
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- b) ~~Resolution No. 2020-064, authorizing the City Manager to adjust the Capital Budget for Parking Equipment. (Removed)~~
- c) ~~Resolution No. 2020-065, approving an agreement with Ypsilanti Community Utilities Authority for the reimbursement of water main costs. (Removed)~~
- d) ~~Resolution No. 2020-066, approving Ordinance 1356 – An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58-61. (Second Reading) (Removed)~~
- e) ~~Resolution No. 2020-067 approving a Request for Proposals for 206-210 N. Washington. (Removed)~~
- f) ~~Resolution No. 2020-068, approving the proposed Intergovernmental Agreement between the city and the Ypsilanti DDA. (Removed)~~
- g) Resolution No. 2020-069, awarding the Rutherford Pool Roof Construction bid to Duke Roofing.

IT IS RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI that:

The attached contract with Duke Roofing for the renovation of the Rutherford Poolhouse Roof for the sum of Forty Two Thousand Five Hundred Dollars (\$42,500.00) is approved and City Manager is authorized to sign for and on behalf of the City, subject to the approval of the City Attorney.

The City Manager is authorized to make technical amendments and adjustments to the contract and to approve change orders, subject to the approval of the City Attorney.

Council Member Steven Wilcoxen moved, seconded by Mayor Pro-Tem Lois Richardson, to approve Resolution No. 2020-069.

RESULT:	CARRIED.
MOVER:	Council Member Steven Wilcoxen
SECONDER:	Mayor Pro-Tem Lois Richardson
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxen, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- h) Resolution No. 2020-070, authorizing the City Manager to adjust the budget as provided to support the operational management of the Historic Ypsilanti Freighthouse.

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, on February 4, 2020 City Council approved Resolution No. 2020-030, initiating a sixty day termination of the Freighthouse Operation and Management Agreement; and

WHEREAS, 22 events have been booked between April 1-June 30, 2020 and City Council wishes to honor those commitments; and

WHEREAS, The City desires to continue to take reservations using the existing fee schedule adopted by the Friends of the Freighthouse; and

NOW THEREFORE BE IT RESOLVED THAT the Ypsilanti City Council authorizes the City Manager to adjust the budget as provided to support the operational management of Historic Ypsilanti Freighthouse.

Council Member Annie Somerville moved, seconded by Mayor Pro-Tem Lois Richardson, to approve Resolution No. 2020-070.

RESULT:	CARRIED.
MOVER:	Council Member Annie Somerville
SECONDER:	Mayor Pro-Tem Lois Richardson
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxen, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

VII. BOARD AND COMMISSION - NOMINATIONS

a) **YPSILANTI DOWNTOWN DEVELOPMENT AUTHORITY**

Patton Doyle
16 1/2 N Washington St.
Ypsilanti, MI 48197

VIII. COMMUNICATIONS

- a) 2019 Planning Commission Annual Report

IX. ADJOURNMENT

- a) Resolution No. 2020-071, adjourning the City Council Meeting.

The meeting was adjourned at 7:09 p.m.

Mayor Pro-Tem Lois Richardson moved, seconded by Council Member Steven Wilcoxon, to approve Resolution No. 2020-071.

RESULT:	CARRIED.
MOVER:	Mayor Pro-Tem Lois Richardson
SECONDER:	Council Member Steven Wilcoxon
AYES:	Beth Bashert, Jennifer Symanns, Steven Wilcoxon, Nicole Brown, Lois Richardson, Anthony Morgan, and Annie Somerville

- b) Please click [here](#) to access the City Council Contact Form. This form can be used to submit any comments/concerns you might have about this agenda.



Resolution No. 2020-074
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

THAT, the following individuals be appointed to the City of Ypsilanti Boards and Commissions as indicated below:

<u>NAME</u>	<u>BOARD</u>	<u>EXPIRATION</u>
Patton Doyle New Member 16 ½ N. Washington Ypsilanti, MI 48197	DDA	7/1/2022

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this
7 day of April 2020

#Resolution No. 2020-074



REQUEST FOR LEGISLATION

TO: Mayor and City Council
FROM: John Barr
DATE: March 17, 2020
SUBJECT: Amendments to Discrimination Ordinance to add Felony as protected class

DESCRIPTION:

Amendments to Discrimination Ordinance to add Felony as protected class

SUMMARY:

Councilmember Sommerville, on behalf of herself and Councilmember Brown requested an ordinance amendment to add conviction of a felony as a protected class to the City anti-discrimination ordinance.

A draft ordinance is attached for consideration.

CITY MANAGER APPROVAL: _____ COUNCIL AGENDA DATE: _____

CITY MANAGER COMMENTS: _____

FISCAL SERVICES DIRECTOR APPROVAL: _____



Resolution No. 2020-066
March 17, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58 – 61 Intent, to add felony conviction to the anti-discrimination ordinance as a city protected class be adopted on Second and Final Reading.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this 17 day of March 2020

#Resolution No. 2020-066



**CITY OF YPSILANTI
NOTICE OF ADOPTED ORDINANCE
Ordinance No. 1357**

An ordinance to amend Article III Discrimination of Chapter 58 Human Relations, being Section 58 – 61 Intent, to add felony conviction to the anti-discrimination ordinance as a city protected class.

1. **THE CITY OF YPSILANTI HEREBY ORDAINS** That Article III Discrimination, Division 1 Generally, of Chapter 58 Human Relations, being Section 58-61 Intent of the Ypsilanti City Code is hereby amended to read as follows:

**ARTICLE III. - DISCRIMINATION
DIVISION 1. - GENERALLY**

Sec. 58-61. - Intent.

- (a) It is the intent of the city that no person be denied the equal protection of the laws; nor shall any person be denied the enjoyment of their civil or political rights or be discriminated against because of actual or perceived race, color, religion, national origin, immigration status, sex, sexual orientation, gender identity, gender expression age, marital status, disability status, familial status, educational association, source of income, height or weight, or felony conviction (unless there is a direct relationship between the conviction offense and the housing, the job, the opportunity or unless hiring or accepting the person would create an unreasonable risk to property or safety).
- (b) Nothing herein contained shall be construed to prohibit any affirmative action laws passed by any level of government. Further, nothing in this article shall be construed to establish affirmative action for any of the classes defined herein.

2. Severability. If any clause, sentence, section, paragraph, or part of this ordinance, or the application thereof to any person, firm, corporation, legal entity, or circumstances, shall be for any reason adjudged by a court of competent jurisdiction to be unconstitutional or invalid, such judgment shall not effect, impair, or invalidate the remainder of this Ordinance and the application of such provision to other persons, firms, corporations, legal entities, or circumstances by such judgment shall be confined in its operation to the clause, sentence, section, paragraph, or part of this Ordinance thereof directly involved in the case or controversy in which such judgment shall have been rendered and to the person, firm, corporation, legal entity, or circumstances then

and there involved. It is hereby declared to be the legislative intent of this body that the Ordinance would have been adopted had such invalid or unconstitutional provisions not have been included in this Ordinance.

3. Repeal. All other Ordinances inconsistent with the provisions of this Ordinance are, to the extent of such inconsistencies, hereby repealed.

4. Savings Clause. The balance of the Code of Ordinances, City of Ypsilanti, Michigan, except as herein or previously amended, shall remain in full force and effect. The repeal provided herein shall not abrogate or affect any offense or act committed or done, or any penalty or forfeiture incurred, or any pending fee, assessments, litigation, or prosecution of any right established, occurring prior to the effective date hereof.

5. Copies to be available. Copies of the Ordinance are available at the office of the city clerk for inspection by, and distribution to, the public during normal office hours.

6. Publication and Effective Date. The City Clerk shall cause this Ordinance, or a summary of this Ordinance, to be published according to Section 11.13 of the City Charter. This Ordinance shall become effective after publication at the expiration of 30 days after adoption.

MADE, PASSED AND ADOPTED BY THE YPSILANTI CITY COUNCIL THIS _____ DAY OF _____, 2020.

Andrew Hellenga, City Clerk

Attest

I do hereby confirm that the above Ordinance No. _____ was published according to Section 11.13 of the City Charter on the _____ day of _____, 2020.

Andrew Hellenga, City Clerk

CERTIFICATE OF ADOPTING

I hereby certify that the foregoing is a true copy of the Ordinance passed at the regular meeting of the City Council held on the _____ day of _____, 2020.

Andrew Hellenga, City Clerk

Notice Published: _____

First Reading: _____

Second Reading: _____

Published: _____

Effective Date: _____



REQUEST FOR LEGISLATION

TO:

FROM: Bonnie Wessler

DATE:

SUBJECT: Budget Amendment: Parking Rollout

DESCRIPTION:

Budget Amendment: Parking Rollout

SUMMARY:

The City adopted the parking strategy and study in early 2019. The costs, at the time of the budget development for 19/20, were as yet unknown. We now have costs for multi-space meter installations and signage that is proposed to be installed in April/May.

- Meters and installation, per accepted proposal from Harvey Electronics/Parkeon: **\$88,318**
 - Includes 11 Parkeon Strada PAL meters
- Wayfinding signage, quote from A2Benchmarks: **\$40,000**
 - Includes entry sign per parking lot, refacing CVB parking "flag" signs, rules signs for kiosks
- Regulatory signage, estimate of DPS overtime labor, material: **\$35,000**
 - Includes new posts where needed, signage (both space numbering signage and rules/regulatory signage), installation

Total approximate capital expenditure: \$153,318. Note that the October 2019 implementation proposal forecast approximately \$175,000 in capital expenditure, without including wayfinding signage. These estimates are still subject to change as signage plans are not yet final, and meter placement and style may change.

As the parking fund is not established for FY19/20, these funds would come from the general capital improvements budget, as parking revenues currently go into the general fund. The parking fund is established for FY20/21.

RECOMMENDED ACTION: Approval

CITY MANAGER APPROVAL: _____ COUNCIL AGENDA DATE: _____

CITY MANAGER COMMENTS: _____

FISCAL SERVICES DIRECTOR APPROVAL: _____



Resolution No. 2020-064
March 17, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, City Council adopted the Ypsilanti Central Business District Parking Study and Strategy; and

WHEREAS, said document identifies a number of opportunities for improvement of Central Business District parking; and

WHEREAS, additional information has become available regarding the cost of many of the desired improvements including signage and meters;

NOW THEREFORE BE IT RESOLVED that the Ypsilanti City Council authorizes the City Manager to adjust the Capital budget for parking equipment, account 414-7-9370-987-63, to \$160,000 for FY19/20.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this 17 day of March 2020

#Resolution No. 2020-064



REQUEST FOR LEGISLATION

TO: Mayor and City Council
FROM: Ron Akers
DATE: March 17, 2020
SUBJECT: Agreement between the City of Ypsilanti and the Ypsilanti Community Utilities Authority (YCUA) for Reimbursement of Water Main Costs

DESCRIPTION:

Agreement between the City of Ypsilanti and the Ypsilanti Community Utilities Authority (YCUA) for Reimbursement of Water Main Costs

SUMMARY:

As a part of the W. Cross road reconstruction project, the Ypsilanti Community Utilities Authority (YCUA) has proposed to replace the water main in that stretch of road. For cost saving purposes this portion of the project has been included as a "non-participating" item of the scope of work in the road construction project. Non participating items are those items that are included in the scope of the project but are required to be paid by the local agency in full as they are not eligible for federal transportation dollars. The City of Ypsilanti has entered into an agreement with the Michigan Department of Transportation (MDOT) and has responsibility for the administration of the project including the water main component. Due to this it is necessary for the City to enter into an agreement with YCUA to outline roles and responsibilities regarding construction engineering and reimbursement of the cost of the water main portion of the project.

The bid price for YCUA's portion of the project cost is \$517,543.00. Per the agreement the City will invoice YCUA for 40% of the costs at the time of contract award, and after sixty (60) days we will invoice them for an additional 40%. The City will send a final invoice at the end of the project after the final accounting has occurred. As both the City and YCUA use OHM Advisors to provide construction engineering services, the City and YCUA will each sign a separate agreement with OHM for provide construction engineering and observation services for our respective portion of the construction project.

This contract has been reviewed by our City Attorney and has been approved to form. We are currently waiting to hear back from YCUA's legal counsel, but we are not anticipating any major

concerns based on discussion with YCUA staff. If there are any proposed changes to the agreement staff will summarize the changes at the City Council meeting.

RECOMMENDED ACTION:

Staff recommends City Council authorize the Mayor and the City Clerk to execute the agreement between the City of Ypsilanti and the Ypsilanti Community Utilities Authority (YCUA) for the reimbursement for the costs of the improvements made to the water system and for quality control measures for the project.

ATTACHMENTS: Agreement, bid tabulation

CITY MANAGER APPROVAL: _____ COUNCIL AGENDA DATE: _____

CITY MANAGER COMMENTS: _____

FISCAL SERVICES DIRECTOR APPROVAL: _____



Resolution No. 2020-065
March 17, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, Urban funding has been programmed in the Washtenaw County Transportation Improvement Program for the road reconstruction of W. Cross Street between Courtland and Wallace; and,

WHEREAS, the City of Ypsilanti has signed a contract with the Michigan Department of Transportation (MDOT) for the City to administer this project; and,

WHEREAS, the Ypsilanti Community Utility Authority (YCUA) has requested that improvements to their water system be included in the project; and,

WHEREAS, an agreement between the City of Ypsilanti and YCUA is necessary to outline the responsibilities of both parties with regards to cost reimbursement and quality control.

NOW THEREFORE BE IT RESOLVED THAT that the City of Ypsilanti City Council approves the agreement with YCUA for the reimbursement of water main costs; and

THAT the Mayor and City Clerk are authorized to sign this contract, subject to approval by the City Attorney.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this
17 day of March 2020

#Resolution No. 2020-065

W. CROSS STREET IMPROVEMENT AGREEMENT

City of Ypsilanti - Ypsilanti Community Utilities Authority

This Agreement is made and entered into by and between:

The Ypsilanti Community Utilities Authority, a Michigan Municipal Corporation, constituted under Act 233 of 1955, as amended, Michigan Compiled Laws, with offices at 2777 State Street, Ypsilanti, Michigan 48198 ("YCUA"); and

The City of Ypsilanti, a public entity, with offices at 1 S. Huron St. Ypsilanti, Michigan 48197

1.1 ACKNOWLEDGEMENTS

1.2 The City of Ypsilanti intends to undertake the following road improvement project: Reconstruct W. Cross Street from Courtland Street to Wallace Boulevard in the City of Ypsilanti. Work shall include pavement removal, concrete curb, gutter, sidewalk, and ramps, paving and other associated items (the "Project").

1.3 YCUA has requested certain improvements to be made to the water system and/or wastewater system infrastructure in the area of the Project ("Water & Sewer Improvements").

1.4 The City of Ypsilanti and YCUA agree that the Water & Sewer Improvements will be included in the Project, the Project will be constructed by the City of Ypsilanti, and YCUA will reimburse the City of Ypsilanti for the cost of the Water & Sewer Improvements.

1.5 YCUA and the City of Ypsilanti will be responsible for signing a separate agreement with our mutual contract engineering firm, OHM Advisors, to provide contract administration, construction engineering, construction observation, and any other service required to ensure the quality of the work that is performed by the selected contractor.

NOW, THEREFORE, in exchange for their mutual promises as set forth herein the parties agree as follows:

2.1 FUNDING & RESPONSIBILITIES OF THE PARTIES

2.2 The City of Ypsilanti will administer the Project through the Michigan Department of Transportation ("MDOT") Local Agency Program ("LAP") in accordance with MDOT and City of Ypsilanti standard practices and procedures. The City of Ypsilanti will enter into a Contract with MDOT and MDOT will enter into a Contract with the Contractor with the lowest qualified bid.

2.3 YCUA will not be a party to the Project's Contracts and will not be made a party thereto by virtue of this Agreement.

2.4 The City of Ypsilanti will submit an invoice to YCUA for 40% of the costs for the Water & Sewer Improvements portion of the Project submitted by the selected bidder at the time of MDOT's Notice of Contract Award for the Project. The bid tabulations for the project are outlined in Attachment A. The City of Ypsilanti will submit a second invoice for an additional 40% of the same costs 60 days after the initial City of Ypsilanti invoice. Following a final accounting of the Project costs, the City of Ypsilanti will submit a final invoice for the actual remaining unpaid costs. All invoices shall provide supporting detail and information which reasonably identifies and isolates the costs of the Water & Sewer Improvements.

2.5 YCUA will promptly reimburse the City of Ypsilanti upon receipt of such invoices for all costs and expenses attributed to the Water & Sewer Improvements portion of the Project.

2.6 MDOT has received bids for the project and based on the lowest bid received, the estimated costs for the Water & Sewer Improvements portion of the Project are \$296,727,517,543.00. YCUA will be responsible for providing Construction Engineering and Construction Observation services for the Water & Sewer Improvements portion of the Project. The City of Ypsilanti does not represent, warrant, or guarantee YCUA's actual cost for the Water & Sewer Improvements will not exceed YCUA's cost estimates or the project bid. However, YCUA will not be required to reimburse the City of Ypsilanti for any extras, over and above the contracted amount for the Water & Sewer Improvements, which have not been approved in advance by YCUA. Such approval will not be unreasonably withheld.

2.7 YCUA reserves the right to withdraw from this Agreement and to not proceed with funding of the construction and installation of the Water & Sewer Improvements, depending on the final bid for the Water & Sewer Improvements portion of the Project and YCUA shall be responsible for payment of all Project costs associated with the Water & Sewer Improvements to the date of withdrawal.

3.1 GENERAL PROVISIONS

3.1 All notices and invoices under this contract are deemed given when mailed by first class mail, postage pre-paid, or personally delivered as follows:

For YCUA
Director
Ypsilanti Community Utilities Authority
2777 State Street
Ypsilanti, MI 48198

For the City of Ypsilanti

Director
City of Ypsilanti
Department of Public Services
14 W. Forest
Ypsilanti, MI 48197

3.2 This Agreement constitutes the entire Agreement between the parties and all previous communications between the parties, whether written or oral with reference to the subject matter of this Agreement, are hereby canceled and superseded.

3.3 If any provision of this Agreement violates any law, the remaining provisions of this contract shall continue in full force and effect.

3.4 This Agreement shall be interpreted and construed in all respects in accordance with the laws of the State of Michigan.

3.5 This Agreement has been jointly drafted by the parties and, therefore, shall be construed and interpreted accordingly.

3.6 Failure or delay in performance of this Agreement by either party shall not be deemed to be a breach thereof when such failure or delay is occasioned by or due to any act of God, labor strike, lock-out, war, riot, epidemic, explosion, terrorism, breakage or accident to machinery or lines of pipe, the binding order of any court or governmental authority or any other cause, whether of the kind enumerated here or otherwise, not within the control of the party claimed to be responsible for such failure or delay or other similar alleged breach of this Agreement.

3.7 Without the prior written consent of the governing body of either party, neither this Agreement, any interest created by this Agreement, or any claim arising under this Agreement shall be transferred or assigned by either party.

3.8 The parties agree and it is specifically understood that the parties' performance under this Agreement does not and shall not confer upon the City of Ypsilanti any right, title or interest in the Water & Sewer Improvements and does not confer upon YCUA any right, title or interest in the road work improvements portion of the Project.

3.9 This Agreement does not create or vest any rights or privileges in any third party not a party to this Agreement. Notwithstanding any other provision of this Agreement, this Agreement and actions taken by either party under this Agreement, will not and shall not be construed by any third party or any court of law as vesting any rights or privileges in any third party under any circumstances.

3.10 Nothing herein shall be construed to constitute either party to this Agreement, or their member communities, contractors, agents or assigns, as a joint venturer or agent or general partner of the other, nor do the parties intend to create or engage in a joint venture or joint venture partnership by entering into and satisfying the terms and conditions of this Agreement.

3.11 This Agreement shall be effective and binding on the date on which the last of the parties signs this Agreement. It may be executed in counterpart originals, one of which shall be retained by each party and each of which may serve as the original of this Agreement.

3.12 If applicable, this Agreement will be null and void if the City of Ypsilanti does not enter into a contract between the City of Ypsilanti and MDOT.

IN WITNESS WHEREOF, the parties have set their hands to this Agreement the day and year here written.

**YPSILANTI COMMUNITY UTILITIES
AUTHORITY**

Dated: _____, 2020

By: Jeff Castro
Its: Managing Director

Dated: _____, 2020

By: Brenda Stumbo
Its: Chairperson

CITY OF YPSILANTI

Dated: _____, 2020

By: Beth Bashert
Its: Mayor

Dated: _____, 2020

By: Andrew Hellenga
Its: Clerk

W. CROSS STREET PROJECT

ESTIMATED CONSTRUCTION COST BREAK DOWN

(Lowest Bid in Bid Tabulation)

City of Ypsilanti Portion:	\$1,092,454.12
YCUA Portion:	\$517,543.00
Total:	\$1,609,997.12

Revised: RAA City of Ypsilanti, February 27, 2020

ATTACHMENT A
WEST CROSS RECONSTRUCTION BID RESULTS
PARTICIPATING ITEMS

Category	Item	Unit	Quantity	Engineers Estimate		C&D Hughes (LOW BID)		Diponio Contracting		Verdeterre		Fonson Company	
1	Mobilization, Max\$134,400.00	LSUM	1	\$ 134,400.00	\$ 134,400.00	\$134,000.00	\$134,000.00	\$134,400.00	\$134,400.00	\$107,500.00	\$107,500.00	\$66,982.19	\$66,982.19
1	Dr Structure, Rem	Ea	4	\$ 600.00	\$ 2,400.00	\$500.00	\$2,000.00	\$700.00	\$2,800.00	\$645.00	\$2,580.00	\$649.89	\$2,599.56
1	Sewer, Rem, Less than 24 inch	Ft	21	\$ 25.00	\$ 525.00	\$25.00	\$525.00	\$40.00	\$840.00	\$53.50	\$1,123.50	\$56.44	\$1,185.24
1	Sidewalk, Rem	Syd	338	\$ 15.00	\$ 5,070.00	\$15.00	\$5,070.00	\$20.00	\$6,760.00	\$18.00	\$6,084.00	\$12.07	\$4,079.66
1	_Curb and Gutter, greater than 25 feet, Rem	Ft	2,164	\$ 12.00	\$ 25,968.00	\$10.00	\$21,640.00	\$5.00	\$10,820.00	\$9.50	\$20,558.00	\$8.60	\$18,610.40
1	_Curb and Gutter, less than 25 ft, Rem	Ft	140	\$ 15.00	\$ 2,100.00	\$30.00	\$4,200.00	\$15.00	\$2,100.00	\$15.00	\$2,100.00	\$10.69	\$1,496.60
1	_Pavt, Rem, Modified	Syd	12,002	\$ 6.00	\$ 72,012.00	\$3.00	\$36,006.00	\$7.75	\$93,015.50	\$4.00	\$48,008.00	\$6.61	\$79,333.22
1	_Station Grading	Sta	22	\$ 1,500.00	\$ 33,000.00	\$1,000.00	\$22,000.00	\$3,800.00	\$83,600.00	\$4,480.00	\$98,560.00	\$3,661.53	\$80,553.66
1	_Subgrade Undercut and Refill, 21AA, Limestone	Cyd	51	\$ 65.00	\$ 3,315.00	\$70.00	\$3,570.00	\$90.00	\$4,590.00	\$64.50	\$3,289.50	\$75.53	\$3,852.03
1	Erosion Control, Inlet Protection, Fabric Drop	Ea	31	\$ 125.00	\$ 3,875.00	\$100.00	\$3,100.00	\$130.00	\$4,030.00	\$184.00	\$5,704.00	\$80.57	\$2,497.67
1	_Aggregate Base, 4 inch, Modified	Syd	665	\$ 10.00	\$ 6,650.00	\$10.00	\$6,650.00	\$10.00	\$6,650.00	\$6.50	\$4,322.50	\$23.93	\$15,913.45
1	_Aggregate Base, 8 inch, Modified	Syd	12,028	\$ 12.00	\$ 144,336.00	\$16.00	\$192,448.00	\$12.00	\$144,336.00	\$12.50	\$150,350.00	\$20.61	\$247,897.08
1	_Maintenance Aggregate, 21AA	Ton	60	\$ 20.00	\$ 1,200.00	\$40.00	\$2,400.00	\$50.00	\$3,000.00	\$26.40	\$1,584.00	\$95.74	\$5,744.40
1	_Sewer, Cl A, 12 inch, Modified	Ft	43	\$ 120.00	\$ 5,160.00	\$150.00	\$6,450.00	\$100.00	\$4,300.00	\$71.50	\$3,074.50	\$242.98	\$10,448.14
1	Dr Structure Cover, Adj, Case 1	Ea	34	\$ 650.00	\$ 22,100.00	\$500.00	\$17,000.00	\$1,100.00	\$37,400.00	\$790.00	\$26,860.00	\$868.05	\$29,513.70
1	Dr Structure Cover, Adj, Case 2	Ea	1	\$ 550.00	\$ 550.00	\$500.00	\$500.00	\$740.00	\$740.00	\$650.00	\$650.00	\$374.28	\$374.28
1	Dr Structure Cover, Type K	Ea	4	\$ 650.00	\$ 2,600.00	\$800.00	\$3,200.00	\$720.00	\$2,880.00	\$600.00	\$2,400.00	\$869.08	\$3,476.32
1	Dr Structure, 24 inch dia	Ea	1	\$ 2,500.00	\$ 2,500.00	\$2,000.00	\$2,000.00	\$1,600.00	\$1,600.00	\$1,530.00	\$1,530.00	\$1,587.20	\$1,587.20
1	Dr Structure, 48 inch dia	Ea	4	\$ 3,000.00	\$ 12,000.00	\$2,500.00	\$10,000.00	\$2,400.00	\$9,600.00	\$2,800.00	\$11,200.00	\$2,131.19	\$8,524.76
1	_Sanitary Sewer Cover, Adj, Case 1	Ea	8	\$ 750.00	\$ 6,000.00	\$1,000.00	\$8,000.00	\$1,500.00	\$12,000.00	\$1,000.00	\$8,000.00	\$1,326.65	\$10,613.20
1	HMA, 4E3	Ton	2,468	\$ 105.00	\$ 259,140.00	\$89.00	\$219,652.00	\$97.15	\$239,766.20	\$113.50	\$280,118.00	\$89.00	\$219,652.00
1	HMA, 5E3	Ton	1,235	\$ 130.00	\$ 160,550.00	\$98.50	\$121,647.50	\$101.50	\$125,352.50	\$117.50	\$145,112.50	\$98.50	\$121,647.50
1	_Driveway, Nonreinfc Conc, 6 inch, Mod	Syd	167	\$ 60.00	\$ 10,020.00	\$44.55	\$7,439.85	\$36.50	\$6,095.50	\$61.25	\$10,228.75	\$62.50	\$10,437.50
1	Curb and Gutter, Conc, Det F6	Ft	2,202	\$ 25.00	\$ 55,050.00	\$18.40	\$40,516.80	\$20.50	\$45,141.00	\$30.00	\$66,060.00	\$18.40	\$40,516.80
1	Curb Ramp Opening, Conc	Ft	252	\$ 25.00	\$ 6,300.00	\$20.20	\$5,090.40	\$20.50	\$5,166.00	\$30.00	\$7,560.00	\$20.20	\$5,090.40
1	Sidewalk, Conc, 4 inch	Sft	2,807	\$ 5.00	\$ 14,035.00	\$4.02	\$11,284.14	\$4.00	\$11,228.00	\$6.20	\$17,403.40	\$6.06	\$17,010.42
1	_Detectable Warning Surface, Modified	Ft	169	\$ 6.00	\$ 1,014.00	\$32.00	\$5,408.00	\$33.00	\$5,577.00	\$45.00	\$7,605.00	\$32.00	\$5,408.00
1	_Sidewalk Ramp, 6 inch, ADA Modified	Sft	946	\$ 6.00	\$ 5,676.00	\$6.95	\$6,574.70	\$6.50	\$6,149.00	\$11.25	\$10,642.50	\$9.00	\$8,514.00
1	Band, Sign	Ea	2	\$ 60.00	\$ 120.00	\$75.00	\$150.00	\$75.00	\$150.00	\$11.25	\$22.50	\$75.00	\$150.00
1	Post, Steel, 3 lb	Ft	438	\$ 6.50	\$ 2,847.00	\$6.00	\$2,628.00	\$6.00	\$2,628.00	\$8.70	\$3,810.60	\$6.00	\$2,628.00
1	Sign, Type III, Rem	Ea	48	\$ 12.00	\$ 576.00	\$25.00	\$1,200.00	\$25.00	\$1,200.00	\$16.85	\$808.80	\$25.00	\$1,200.00
1	Sign, Type IIIA	Sft	108	\$ 16.00	\$ 1,728.00	\$16.00	\$1,728.00	\$16.00	\$1,728.00	\$19.40	\$2,095.20	\$16.00	\$1,728.00
1	Sign, Type IIIB	Sft	137	\$ 18.00	\$ 2,466.00	\$22.50	\$3,082.50	\$17.00	\$2,329.00	\$19.70	\$2,698.90	\$17.00	\$2,329.00
1	Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike	Ea	10	\$ 120.00	\$ 1,200.00	\$135.00	\$1,350.00	\$135.00	\$1,350.00	\$152.00	\$1,520.00	\$135.00	\$1,350.00
1	Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	Ea	10	\$ 150.00	\$ 1,500.00	\$140.00	\$1,400.00	\$140.00	\$1,400.00	\$157.00	\$1,570.00	\$140.00	\$1,400.00
1	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	Ea	4	\$ 125.00	\$ 500.00	\$175.00	\$700.00	\$175.00	\$700.00	\$196.00	\$784.00	\$175.00	\$700.00
1	Pavt Mrkg, Ovly Cold Plastic, School	Ea	1	\$ 210.00	\$ 210.00	\$210.00	\$210.00	\$210.00	\$210.00	\$236.00	\$236.00	\$210.00	\$210.00
1	Pavt Mrkg, Ovly Cold Plastic, Sharrow Symbol	Ea	1	\$ 215.00	\$ 215.00	\$195.00	\$195.00	\$195.00	\$195.00	\$220.00	\$220.00	\$195.00	\$195.00
1	Pavt Mrkg, Polyurea, 4 inch, White	Ft	685	\$ 1.00	\$ 685.00	\$0.95	\$650.75	\$0.95	\$650.75	\$1.10	\$753.50	\$0.95	\$650.75
1	Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	3,711	\$ 1.00	\$ 3,711.00	\$0.95	\$3,525.45	\$0.95	\$3,525.45	\$1.10	\$4,082.10	\$0.95	\$3,525.45
1	Pavt Mrkg, Polyurea, 6 inch, Crosswalk	Ft	945	\$ 2.50	\$ 2,362.50	\$2.95	\$2,787.75	\$2.95	\$2,787.75	\$3.35	\$3,165.75	\$2.95	\$2,787.75
1	Pavt Mrkg, Polyurea, 6 inch, White	Ft	3,987	\$ 2.00	\$ 7,974.00	\$0.99	\$3,947.13	\$0.99	\$3,947.13	\$1.10	\$4,385.70	\$0.99	\$3,947.13
1	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	Ft	157	\$ 12.00	\$ 1,884.00	\$12.95	\$2,033.15	\$12.95	\$2,033.15	\$14.60	\$2,292.20	\$12.95	\$2,033.15
1	_Pavt Mrkg, Ovly Cold Plastic, Yield Triangle	Ea	9	\$ 50.00	\$ 450.00	\$95.00	\$855.00	\$95.00	\$855.00	\$106.75	\$960.75	\$95.00	\$855.00
1	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	10	\$ 85.00	\$ 850.00	\$120.00	\$1,200.00	\$120.00	\$1,200.00	\$85.50	\$855.00	\$100.00	\$1,000.00
1	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	10	\$ 1.00	\$ 10.00	\$5.00	\$50.00	\$5.00	\$50.00	\$0.01	\$0.10	\$0.01	\$0.10
1	Lighted Arrow, Type C, Furn	Ea	2	\$ 500.00	\$ 1,000.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$785.00	\$1,570.00	\$600.00	\$1,200.00
1	Lighted Arrow, Type C, Oper	Ea	2	\$ 50.00	\$ 100.00	\$200.00	\$400.00	\$200.00	\$400.00	\$0.01	\$0.02	\$0.01	\$0.02
1	Minor Traf Devices	LSUM	1	\$ 25,000.00	\$ 25,000.00	\$70,000.00	\$70,000.00	\$14,000.00	\$14,000.00	\$15,900.00	\$15,900.00	\$58,977.17	\$58,977.17
1	Sign Cover	Ea	10	\$ 25.00	\$ 250.00	\$20.00	\$200.00	\$20.00	\$200.00	\$78.70	\$787.00	\$25.00	\$250.00
1	Sign, Type A, Temp, Prismatic, Furn	Sft	240	\$ 6.00	\$ 1,440.00	\$4.00	\$960.00	\$4.00	\$960.00	\$10.00	\$2,400.00	\$6.00	\$1,440.00
1	Sign, Type A, Temp, Prismatic, Oper	Sft	240	\$ 1.00	\$ 240.00	\$1.00	\$240.00	\$1.00	\$240.00	\$0.01	\$2.40	\$0.01	\$2.40
1	Sign, Type B, Temp, Prismatic, Furn	Sft	358	\$ 6.00	\$ 2,148.00	\$4.00	\$1,432.00	\$4.00	\$1,432.00	\$8.45	\$3,025.10	\$6.00	\$2,148.00
1	Sign, Type B, Temp, Prismatic, Oper	Sft	358	\$ 1.00	\$ 358.00	\$1.00	\$358.00	\$1.00	\$358.00	\$0.01	\$3.58	\$0.01	\$3.58
1	Sign, Type B, Temp, Prismatic, Spec, Furn	Sft	302	\$ 10.00	\$ 3,020.00	\$8.00	\$2,416.00	\$8.00	\$2,416.00	\$10.70	\$3,231.40	\$12.00	\$3,624.00
1	Sign, Type B, Temp, Prismatic, Spec, Oper	Sft	302	\$ 1.00	\$ 302.00	\$1.00	\$302.00	\$1.00	\$302.00	\$0.01	\$3.02	\$0.01	\$3.02

1	Traf Regulator Control	LSUM	1	\$ 48,000.00	\$ 48,000.00	\$20,000.00	\$20,000.00	\$9,000.00	\$9,000.00	\$7,500.00	\$7,500.00	\$20,000.00	\$20,000.00
1	_Reboundable Delineator	Ea	4	\$ 250.00	\$ 1,000.00	\$375.00	\$1,500.00	\$375.00	\$1,500.00	\$500.00	\$2,000.00	\$375.00	\$1,500.00
1	_Surface Restoration, Modified	Syd	1,466	\$ 6.50	\$ 9,529.00	\$8.50	\$12,461.00	\$8.50	\$12,461.00	\$9.50	\$13,927.00	\$8.50	\$12,461.00
1	Conduit, DB, 1, 1 1/2 inch	Ft	10	\$ 18.00	\$ 180.00	\$45.00	\$450.00	\$45.00	\$450.00	\$47.20	\$472.00	\$45.00	\$450.00
1	Hh, Adj	Ea	2	\$ 300.00	\$ 600.00	\$1,200.00	\$2,400.00	\$1,200.00	\$2,400.00	\$562.00	\$1,124.00	\$1,200.00	\$2,400.00
1	Hh, Round	Ea	1	\$ 950.00	\$ 950.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,575.00	\$1,575.00	\$1,800.00	\$1,800.00
1	Case Sign, Rem	Ea	1	\$ 150.00	\$ 150.00	\$250.00	\$250.00	\$250.00	\$250.00	\$180.00	\$180.00	\$250.00	\$250.00
1	Case Sign (LED), Two Way, 24 inch by 30 inch	Ea	1	\$ 1,750.00	\$ 1,750.00	\$1,460.00	\$1,460.00	\$1,460.00	\$1,460.00	\$2,190.00	\$2,190.00	\$1,460.00	\$1,460.00
1	Pedestal, Alum	Ea	5	\$ 800.00	\$ 4,000.00	\$575.00	\$2,875.00	\$575.00	\$2,875.00	\$1,070.00	\$5,350.00	\$575.00	\$2,875.00
1	Pedestal, Fdn	Ea	6	\$ 850.00	\$ 5,100.00	\$580.00	\$3,480.00	\$580.00	\$3,480.00	\$1,350.00	\$8,100.00	\$580.00	\$3,480.00
1	Pedestal Fdn, Rem	Ea	1	\$ 150.00	\$ 150.00	\$350.00	\$350.00	\$350.00	\$350.00	\$340.00	\$340.00	\$350.00	\$350.00
1	Pedestal, Rem	Ea	1	\$ 100.00	\$ 100.00	\$250.00	\$250.00	\$250.00	\$250.00	\$225.00	\$225.00	\$250.00	\$250.00
1	Pushbutton and Sign	Ea	8	\$ 550.00	\$ 4,400.00	\$332.00	\$2,656.00	\$332.00	\$2,656.00	\$760.00	\$6,080.00	\$332.00	\$2,656.00
1	Pushbutton, Rem	Ea	4	\$ 75.00	\$ 300.00	\$332.00	\$1,328.00	\$332.00	\$1,328.00	\$395.00	\$1,580.00	\$332.00	\$1,328.00
1	Pushbutton Pedestal, Alum	Ea	1	\$ 750.00	\$ 750.00	\$554.00	\$554.00	\$554.00	\$554.00	\$1,125.00	\$1,125.00	\$554.00	\$554.00
1	Traf Loop	Ea	2	\$ 1,300.00	\$ 2,600.00	\$1,200.00	\$2,400.00	\$1,200.00	\$2,400.00	\$2,360.00	\$4,720.00	\$1,200.00	\$2,400.00
1	TS, Pedestrian, Bracket Arm Mtd, Rem	Ea	2	\$ 100.00	\$ 200.00	\$325.00	\$650.00	\$325.00	\$650.00	\$309.00	\$618.00	\$325.00	\$650.00
1	TS, Pedestrian, Pedestal Mtd, Rem	Ea	2	\$ 100.00	\$ 200.00	\$819.00	\$1,638.00	\$819.00	\$1,638.00	\$197.00	\$394.00	\$819.00	\$1,638.00
1	TS, Pedestrian, Two Way Bracket Arm Mtd (LED) Countdown	Ea	2	\$ 1,500.00	\$ 3,000.00	\$911.00	\$1,822.00	\$911.00	\$1,822.00	\$1,715.00	\$3,430.00	\$911.00	\$1,822.00
1	TS, Pedestrian, Two Way Pedestal Mtd (LED) Countdown	Ea	2	\$ 1,500.00	\$ 3,000.00	\$1,011.00	\$2,022.00	\$1,011.00	\$2,022.00	\$1,805.00	\$3,610.00	\$1,011.00	\$2,022.00
1	Flsh Beacon, Rectangular Rapid, Solar Power	Ea	4	\$ 4,250.00	\$ 17,000.00	\$2,100.00	\$8,400.00	\$2,100.00	\$8,400.00	\$3,650.00	\$14,600.00	\$2,100.00	\$8,400.00
TOTAL PARTICIPATING:				\$ 1,163,651.50		\$1,072,119.12		\$1,115,929.93		\$1,186,531.77		\$1,186,642.90	
CITY - NON-PARTICIPATING ITEMS													
3	_Aggregate Base, 8 inch, Modified	Syd	447	\$ 12.00	\$ 5,364.00	\$16.00	\$7,152.00	\$12.00	\$5,364.00	\$12.50	\$5,587.50	\$20.61	\$9,212.67
3	HMA, 4E3	Ton	95	\$ 105.00	\$ 9,975.00	\$89.00	\$8,455.00	\$97.15	\$9,229.25	\$113.50	\$10,782.50	\$89.00	\$8,455.00
3	HMA, 5E3	Ton	48	\$ 130.00	\$ 6,240.00	\$98.50	\$4,728.00	\$101.50	\$4,872.00	\$117.50	\$5,640.00	\$98.50	\$4,728.00
TOTAL CITY: NON-PARTICIPATING:				\$ 21,579.00		\$20,335.00		\$19,465.25		\$22,010.00		\$22,395.67	
WATER MAIN (YCUA): NON-PARTICIPATING ITEMS													
3	Trench Undercut and Backfill	Cyd	25	\$ 15.00	\$ 375.00	\$50.00	\$1,250.00	\$100.00	\$2,500.00	\$1.00	\$25.00	\$102.13	\$2,553.25
3	_Dewatering System, Trench	Ft	50	\$ 25.00	\$ 1,250.00	\$50.00	\$2,500.00	\$210.00	\$10,500.00	\$40.00	\$2,000.00	\$913.68	\$45,684.00
3	_Polyethylene Encasement of Water Main	Ft	1,822	\$ 1.00	\$ 1,822.00	\$2.50	\$4,555.00	\$0.50	\$911.00	\$1.00	\$1,822.00	\$1.57	\$2,860.54
3	_Sanitary Building Sewer Pipe, Rem	Ft	100	\$ 5.00	\$ 500.00	\$30.00	\$3,000.00	\$40.00	\$4,000.00	\$90.00	\$9,000.00	\$29.97	\$2,997.00
3	_Sanitary Building Sewer, PVC, 6 inch, Tr Det F	Ft	100	\$ 40.00	\$ 4,000.00	\$100.00	\$10,000.00	\$135.00	\$13,500.00	\$115.00	\$11,500.00	\$79.02	\$7,902.00
3	_Water Main, DI, 12 inch, Tr Det G, Mod	Ft	1,463	\$ 80.00	\$ 117,040.00	\$126.00	\$184,338.00	\$120.00	\$175,560.00	\$118.00	\$172,634.00	\$132.01	\$193,130.63
3	_Water Main, DI, 16 inch, Tr Det G, Mod	Ft	75	\$ 110.00	\$ 8,250.00	\$250.00	\$18,750.00	\$185.00	\$13,875.00	\$138.35	\$10,376.25	\$273.06	\$20,479.50
3	_Water Main, DI, 8 inch, Tr Det G, Mod	Ft	284	\$ 50.00	\$ 14,200.00	\$125.00	\$35,500.00	\$95.00	\$26,980.00	\$93.00	\$26,412.00	\$244.43	\$69,418.12
3	_Connection to Existing Water Main	Ea	14	\$ 2,000.00	\$ 28,000.00	\$5,000.00	\$70,000.00	\$5,500.00	\$77,000.00	\$4,325.00	\$60,550.00	\$5,779.05	\$80,906.70
3	_Curb Stop and Box, 1 inch	Ea	14	\$ 250.00	\$ 3,500.00	\$1,000.00	\$14,000.00	\$400.00	\$5,600.00	\$420.00	\$5,880.00	\$1,065.71	\$14,919.94
3	_Curb Stop and Box, Rem	Ea	14	\$ 100.00	\$ 1,400.00	\$100.00	\$1,400.00	\$70.00	\$980.00	\$250.00	\$3,500.00	\$322.41	\$4,513.74
3	_Fire Hydrant	Ea	6	\$ 4,000.00	\$ 24,000.00	\$5,000.00	\$30,000.00	\$7,000.00	\$42,000.00	\$6,900.00	\$41,400.00	\$11,062.55	\$66,375.30
3	_Gate Box, Rem	Ea	7	\$ 350.00	\$ 2,450.00	\$400.00	\$2,800.00	\$350.00	\$2,450.00	\$300.00	\$2,100.00	\$1,287.40	\$9,011.80
3	_Gate Valve and Box, 12 inch	Ea	4	\$ 1,750.00	\$ 7,000.00	\$5,000.00	\$20,000.00	\$2,600.00	\$10,400.00	\$3,800.00	\$15,200.00	\$3,494.78	\$13,979.12
3	_Gate Well, Aband	Ea	9	\$ 500.00	\$ 4,500.00	\$1,000.00	\$9,000.00	\$650.00	\$5,850.00	\$600.00	\$5,400.00	\$3,551.96	\$31,967.64
3	_Hydrant, Rem	Ea	7	\$ 500.00	\$ 3,500.00	\$500.00	\$3,500.00	\$600.00	\$4,200.00	\$310.00	\$2,170.00	\$1,881.88	\$13,173.16
3	_Line Stop, 12 inch	Ea	1	\$ 5,000.00	\$ 5,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$14,500.00	\$14,500.00	\$10,492.97	\$10,492.97
3	_Line Stop, 8 inch	Ea	1	\$ 3,000.00	\$ 3,000.00	\$6,000.00	\$6,000.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$8,980.18	\$8,980.18
3	_Tapping Sleeve, Valve and Box, 12 inch by 8 inch	Ea	1	\$ 8,000.00	\$ 8,000.00	\$6,000.00	\$6,000.00	\$9,700.00	\$9,700.00	\$6,895.00	\$6,895.00	\$8,767.62	\$8,767.62
3	_Tapping Sleeve, Valve and Box, 16 inch by 12 inch	Ea	1	\$ 10,000.00	\$ 10,000.00	\$8,000.00	\$8,000.00	\$13,000.00	\$13,000.00	\$11,000.00	\$11,000.00	\$11,024.32	\$11,024.32
3	_Water Main, 16 inch, Cut and Plug	Ea	2	\$ 1,000.00	\$ 2,000.00	\$1,500.00	\$3,000.00	\$975.00	\$1,950.00	\$3,140.00	\$6,280.00	\$3,120.79	\$6,241.58
3	_Water Main, 6 inch, Cut and Plug	Ea	17	\$ 400.00	\$ 6,800.00	\$700.00	\$11,900.00	\$400.00	\$6,800.00	\$1,650.00	\$28,050.00	\$1,725.03	\$29,325.51
3	_Water Main, Conflict, 12 inch	Ea	1	\$ 1,000.00	\$ 1,000.00	\$6,000.00	\$6,000.00	\$3,000.00	\$3,000.00	\$1,425.00	\$1,425.00	\$6,081.96	\$6,081.96
3	_Water Service, 1 inch, Jumper Connect	Ea	23	\$ 500.00	\$ 11,500.00	\$500.00	\$11,500.00	\$800.00	\$18,400.00	\$945.00	\$21,735.00	\$1,617.23	\$37,196.29
3	_Water Service, 1 inch, Long	Ea	10	\$ 1,250.00	\$ 12,500.00	\$2,500.00	\$25,000.00	\$3,300.00	\$33,000.00	\$1,450.00	\$14,500.00	\$5,694.94	\$56,949.40
3	_Water Service, 1 inch, Short	Ea	4	\$ 750.00	\$ 3,000.00	\$2,000.00	\$8,000.00	\$1,900.00	\$7,600.00	\$1,250.00	\$5,000.00	\$4,033.40	\$16,133.60
3	_Audio Video Route Survey	LSUM	1	\$ 1,500.00	\$ 1,500.00	\$1,050.00	\$1,050.00	\$1,075.00	\$1,075.00	\$3,380.00	\$3,380.00	\$1,075.00	\$1,075.00
3	_Clean and Television Sanitary Sewer	Ft	3,150	\$ 2.00	\$ 6,300.00	\$1.00	\$3,150.00	\$1.00	\$3,150.00	\$2.80	\$8,820.00	\$1.00	\$3,150.00
3	Exploratory Trenching	Ft	147	\$ 30.00	\$ 4,410.00	\$50.00	\$7,350.00	\$80.00	\$11,760.00	\$97.50	\$14,332.50	\$112.50	\$16,537.50
TOTAL WATER MAIN (YCUA): NON-PARTICIPATING:				\$ 296,797.00		\$517,543.00		\$523,741.00		\$515,886.75		\$791,828.37	
TOTAL BID AMOUNT:				\$ 1,482,027.50		\$1,609,997.12		\$1,659,136.18		\$1,724,428.52		\$2,000,866.94	



REQUEST FOR LEGISLATION

TO: Mayor and City Council
FROM: Ron Akers
DATE: April 7, 2020
SUBJECT: Application to Local Bridge Program for Forest Avenue Bridge

DESCRIPTION:

Application to Local Bridge Program for Forest Avenue Bridge

SUMMARY:

The bridge located on Forest Avenue over the Huron River was constructed in 1964 and last rehabilitated in 1995. The bi-annual bridge inspections conducted by OHM in 2019 have revealed the need for both substructure and deck repair which include heavy spalling of the concrete on top of the pier cap. Due to this OHM has recommended that the City apply for funding from MDOT's Local Bridge Program to obtain the necessary funding to repair this bridge. There is concern that if the deterioration of the bridge pier continues then the bridge may need to be load posted or closed. Based on the condition of the bridge the city will be conducting inspections on an annual basis from this point forward to keep an eye on the condition of the structure.

Last year the City applied for but did not receive funding under the MDOT Local Bridge Program to perform this work and we are planning on requesting funding again this year. In order to do this OHM and City staff are requesting that City Council approve a resolution which authorizes the Director of Public Services and OHM to apply to the Michigan Department of Transportation for the 2020 Local Bridge Program to obtain for the necessary funding to complete rehabilitation work on the Forest Avenue Bridge.

As a matter of clarification the Forest Avenue bridge is in a separate category from the LeForge Street and Factory Street bridges due to their condition and the type of work that is necessary to restore the bridges. Due to this the inclusion of the Factory Street and LeForge Street bridges is not anticipated to impact the City's eligibility to receive funding for the Forest Street bridge which is a higher priority project.

RECOMMENDED ACTION:

Staff recommends City Council authorize OHM, and the Director of Public Services to apply to the Michigan Department of Transportation for the 2020 Local Bridge Program to obtain the necessary funding to complete the rehabilitation of the Forest Avenue bridge.

ATTACHMENTS: 2019 Bridge Inspection Report, Bridge Applications, 2018 OHM Cost Estimates

CITY MANAGER APPROVAL: _____ COUNCIL AGENDA DATE: _____

CITY MANAGER COMMENTS: _____

FISCAL SERVICES DIRECTOR APPROVAL: _____



Resolution No. 2020-075
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, the bridge on Forest Avenue over the Huron River in the City of Ypsilanti has deteriorated over time and rehabilitation work is necessary to extend the life of the bridge; and,

WHEREAS, OHM, consulting engineers for the City of Ypsilanti, completed the inspection of the bridges in the City and prepared inspection reports and other information on the above-mentioned bridges; and,

WHEREAS, based on the findings and recommendations of OHM, the Director of Public Services recommends that the City Council authorize the Director of Public Services and OHM to make application to the Michigan Department of Transportation's Local Bridge Program for bridge rehabilitation; and,

WHEREAS, the City of Ypsilanti has available 5% portion of the project financing available;

NOW THEREFORE BE IT RESOLVED THAT that the City Council of the City of Ypsilanti authorizes the Director of Public Services and OHM to apply to the Michigan Department of Transportation's Local Bridge Program seeking financial assistance to perform rehabilitation work on the Forest Avenue bridge.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this 7 day of April 2020

#Resolution No. 2020-075

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11090

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
FOREST AVENUE	42.2492 / -83.6131	814747800054B03	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
HURON RIVER	148 / 59.7 / 2	City: YPSILANTI(7478)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
IN CITY OF YPSILANTI	1964 / 1995 / /	Brighton(3)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
University(6) / Washtenaw(81)	5 Prestressed Concrete / 32 Multi Str Comp	08/28/2019 / ERRC	U Unknown Scour	

NBI INSPECTION

ERRC

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Adam Rychwalski	Orchard, Hiltz & McCliment Inc	12	08/28/2019

GENERAL NOTES

Deck sounded in spring 2018 revealing large areas of delamination throughout the deck surface.

DECK

	05/18	05/19	08/19	
1. Surface (SIA-58A)	4	4	4	Spalling and patching at the east reference line heaviest in westbound lane. One longitudinal on the south half of the deck. Several longitudinal, transverse and areas of map cracking on the north half of the deck. Spalling and delamination along pier joint with some cold patch. 12x6 spall in eastbound lane west span with cold patch. Large areas of delamination throughout deck surface found in 2018 deck sounding. (08/19) Spalling and patching at the east reference line heaviest in westbound lane. One longitudinal on the south half of the deck. Several longitudinal, transverse and areas of map cracking on the north half of the deck. Spalling and delamination along pier joint with some cold patch. 12x6 spall in eastbound lane west span with cold patch. Large areas of delamination throughout deck surface found in 2018 deck sounding. (05/19) Spalling and patching at the east reference line heaviest in westbound lane. One longitudinal on the south half of the deck. Several longitudinal, transverse and areas of map cracking on the north half of the deck. Spalling and delamination along pier joint with some cold patch. 5x3 spall in eastbound lane west span with cold patch. Large areas of delamination throughout deck surface found in 2018 deck sounding. (05/18)
2. Expansion Joints	5	4	4	Deck cracks along the reference line joints. Debris build up at the pier joint. West end jt sunken with numerous spalls and cold patch. Small hole through deck at pier joint. (08/19) Deck cracks along the reference line joints. Debris build up at the pier joint. West end jt sunken with numerous spalls and cold patch. Small hole through deck at pier joint. (05/19) Deck cracks along the reference line joints. Debris build up at the pier joint. West end jt sunken with numerous spalls and cold patch. (05/18)
3. Other Joints	5	5	5	Some efflorescence along longitudinal construction joint. (08/19) Some efflorescence along longitudinal construction joint. (05/19) Some efflorescence along longitudinal construction joint. (05/18)
4. Railings	7	7	7	Galv 4 tuber railing with steel posts. Minor surface corrosion is several areas on the tubes and connections. (08/19) Galv 4 tuber railing with steel posts. Minor surface corrosion is several areas on the tubes and connections. (05/19) Minor surface corrosion is several areas on the tubes and connections. (05/18)
5. Sidewalks or Curbs	5	5	5	A few transverse cracks and minor abrasion. Longitudinal crack 6' behind curb face on south sidewalk. 8' spall to steel on south fascia of west span. 6' long crack 6" behind curb on north sidewalk. Spalled at north curb at west abutment. (08/19) A few transverse cracks and minor abrasion. Longitudinal crack 6' behind curb face on south sidewalk. 8' spall to steel on south fascia of west span. 6' long crack 6" behind curb on north sidewalk. Spalled at north curb at west abutment. (05/19) A few transverse cracks and minor abrasion. Longitudinal crack 6' behind curb face on south sidewalk. 8' spall to steel on south fascia of west span. 6' long crack 6" behind curb on north sidewalk. (05/18)
6. Deck Bottom Surface (SIA-58B)	7	6	6	Some diagonal cracks at backwall with some leaching. Efflorescence along construction joint. Efflorescence and cracking under spalled areas in bay 3W, west span. (08/19) Some diagonal cracks at backwall with some leaching. Efflorescence along construction joint. Efflorescence and cracking under spalled areas in bay 3W, west span. (05/19) Some diagonal cracks at backwall with some leaching. Efflorescence along construction joint. (05/18)

Printed on 03/23/2020

Page 1 of 4

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11090

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
FOREST AVENUE	42.2492 / -83.6131	814747800054B03	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
HURON RIVER	148 / 59.7 / 2	City: YPSILANTI(7478)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
IN CITY OF YPSILANTI	1964 / 1995 / /	Brighton(3)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
University(6) / Washtenaw(81)	5 Prestressed Concrete / 32 Multi Str Comp	08/28/2019 / ERRC	U Unknown Scour	

7. Deck (SIA-58) 5 5 5 Poor surface condition with large areas of delamination and spalling. Underside in fair condition with minor cracks and efflorescence. (08/19)
 Poor surface condition with large areas of delamination and spalling. Underside in fair condition with minor cracks and efflorescence. (05/19)
 Poor surface condition with large areas of delamination and spalling. Underside in good condition with minor cracks and efflorescence. (05/18)

8. Drainage Deck drains are open. (08/19)
 Deck drains are open. (05/19)
 Deck drains are open. (05/18)

SUPERSTRUCTURE

05/18 05/19 08/19

9. Stringer (SIA-59) 7 7 7 Some cracking on the bottom flange at the pier at the bearings. North end diaphragms in both spans have spalled along bottom with rebar exposed. (08/19)
 Some cracking on the bottom flange at the pier at the bearings. North end diaphragms in both spans have spalled along bottom with rebar exposed. (05/19)
 Some cracking on the bottom flange at the pier at the bearings. North end diaphragms in both spans have spalled along bottom with rebar exposed. (05/18)

10. Paint (SIA-59A) N N N (08/19)
 (05/19)
 (05/18)

11. Section Loss N N N (08/19)
 (05/19)
 (05/18)

12. Bearings 5 5 5 Bearings functioning as intended with some pack rust. Pier deterioration is starting to encroach on bearings (08/19)
 Bearings functioning as intended with some pack rust. Pier deterioration is starting to encroach on bearings (05/19)
 Bearings functioning as intended with some pack rust. Pier deterioration is starting to encroach on bearings (05/18)

SUBSTRUCTURE

05/18 05/19 08/19

13. Abutments (SIA-60) 7 7 7 Tall concrete wall at east abutment. Short abutment with slopes at west span. (08/19)
 Tall concrete wall at east abutment. Short abutment with slopes at west span. (05/19)
 A couple of vertical cracks. (05/18)

14. Piers (SIA-60) 4 4 4 Solid base wall with hammerhead cap supporting fascia beams on each side. Spalling to steel on west side N end at the top under the fascia beams. Spalling to steel on the west side S end under the first 2 beams from each fascia. Large horizontal cracks extend to the fourth beam from each fascia. Spall on east fascia at south end first 4 beams. Large spall now possibly compromising bearings. (08/19)
 Solid base wall with hammerhead cap supporting fascia beams on each side. Spalling to steel on west side N end at the top under the fascia beams. Spalling to steel on the west side S end under the first 2 beams from each fascia. Large horizontal cracks extend to the fourth beam from each fascia. Spall on east fascia at south end first 4 beams. Large spall now possibly compromising bearings (05/19)
 Spalling to steel on west side N end at the top under the fascia beams. Spalling to steel on the west side S end under the first 2 beams from each fascia. Large horizontal cracks extend to the fourth beam from each fascia. Spall on east fascia at south end first 4 beams. Large spall now possibly compromising bearings (05/18)

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11090

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
FOREST AVENUE	42.2492 / -83.6131	814747800054B03	Poor Condition(4)	
Feature	Length / Width / Spans	Owner		
HURON RIVER	148 / 59.7 / 2	City: YPSILANTI(7478)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
IN CITY OF YPSILANTI	1964 / 1995 / /	Brighton(3)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
University(6) / Washtenaw(81)	5 Prestressed Concrete / 32 Multi Str Comp	08/28/2019 / ERRC	U Unknown Scour	

15. Slope Protection	5	5	5	Broken slope paving flags and erosion undermining additional flags at south end of west abutment. (08/19) Broken slope paving flags and erosion undermining additional flags at south end of west abutment. (05/19) Broken slope paving flags and erosion undermining additional flags at south end of west abutment. (05/18)
16. Channel (SIA-61)	6	6	6	Railroad bridge upstream, east abutment walls continues to bridge abutment. Erosion in the southeast quad near the abutment. (08/19) Railroad bridge upstream, east abutment walls continues to bridge abutment. Erosion in the southeast quad near the abutment. (05/19) Erosion in the southeast quad near the abutment. (05/18)
17. Scour Inspection	6	6	6	Local erosion scour only at slope paving failure location. Heavy armoring and boulders throughout channel. Bridge on piles. (08/19) Velocity and high water after heavy rains, did not wade in 2019. Local erosion scour only at slope paving failure location. Heavy armoring and boulders throughout channel. Bridge on piles. (05/19) Local erosion scour only at slope paving failure location. Heavy armoring and boulders throughout channel. Bridge on piles. (05/18)

APPROACH

	05/18	05/19	08/19	
18. Approach Pavement	6	6	6	Random cracking in HMA pavement. Pavement is ravelling at reference lines. There is a large gap in east approach. North half has 1/2" settlement. West approach has some transverse cracking and settlement. (08/19) Random cracking in HMA pavement. Pavement is ravelling at reference lines. There is a large gap in east approach. North half has 1/2" settlement. West approach has some transverse cracking and settlement. (05/19) Random cracking in HMA pavement. Pavement is ravelling at reference lines. There is a large gap in east approach. North half has 1/2" settlement. West approach has some transverse cracking and settlement. (05/18)
19. Approach Shoulders Sidewalks	5	5	5	Settlement in NE, SE and SW quads up to 2". West approach sidewalk has 2" drop at bank side of curbs. (08/19) Settlement in NE, SE and SW quads up to 2". West approach sidewalk has 2" drop at bank side of curbs. (05/19) Settlement in NE, SE and SW quads up to 2". West approach sidewalk has 2" drop at bank side of curbs. (05/18)
20. Approach Slopes				No signs of erosion. (08/19) No signs of erosion. (05/19) No signs of erosion. (05/18)
21. Utilities				North two bays have utilities hanging from the deck. North bay has a large pipe, which is missing insulation at the west end and is corroding. Bay 2N has two pipes hanging with corrosion on the hangers. (08/19) North two bays have utilities hanging from the deck. North bay has a large pipe, which is missing insulation at the west end and is corroding. Bay 2N has two pipes hanging with corrosion on the hangers. (05/19) North two bays have utilities hanging from the deck. North bay has a large pipe, which is missing insulation at the west end and is corroding. Bay 2N has two pipes hanging with corrosion on the hangers. (05/18)
22. Drainage Culverts				Culvert in SW quadrant downstream of bridge. Does not impact bridge. (08/19) Culvert in SW quadrant downstream of bridge. Does not impact bridge. (05/19) Culvert in SW quadrant downstream of bridge. Does not impact bridge. (05/18)

MISCELLANEOUS

Guard Rail		Other Items	
<u>Item</u>	<u>Rating</u>	<u>Item</u>	<u>Rating</u>

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36A. Bridge Railings	1	71. Water Adequacy	8
36B. Transitions	1	72. Approach Alignment	7
36C. Approach Guardrail	1	Temporary Support	0 No Temporary Supports
36D. Approach Guardrail Ends	0	High Load Hit (M)	No
		Special Insp. Equipment	
		Underwater Insp. Method	1

False Decking (Timber) Removed to Complete Inspection

N/A - No False Decking

Critical Feature Inspections (SIA-92)

	<u>Freq</u>	<u>Date</u>
92A. Fracture Critical		
92B. Underwater		
92C. Other Special		
92D. Fatigue Sensitive		

MICHIGAN DEPARTMENT OF TRANSPORTATION

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STRUCTURE INVENTORY AND APPRAISAL

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
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HURON RIVER	148 / 59.7 / 2	City: YPSILANTI(7478)	
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Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
University(6) / Washtenaw(81)	5 Prestressed Concrete / 32 Multi Str Comp	08/28/2019 / ERRC	U Unknown Scour



Bridge History, Type, Materials

27 - Year Built	1964
106 - Year Reconstructed	1995
202 - Year Painted	
203 - Year Overlay	
43 - Main Span Bridge Type	5 32
44 - Appr Span Bridge Type	
77 - Steel Type	0
78 - Paint Type	0
79 - Rail Type	3
80 - Post Type	0
107 - Deck Type	1
108A - Wearing Surface	1
108B - Membrane	0
108C - Deck Protection	0

Structure Dimensions

34 - Skew	20
35 - Struct Flared	0
45 - Num Main Spans	2
46 - Num Apprs Spans	0
48 - Max Span Length	86
49 - Structure Length	148
50A - Width Left Curb/SW	4.9
50B - Width Right Curb/SW	4.9
33 - Median	0
51 - Width Curb to Curb	47.9
52 - Width Out to Out	59.7
112 - NBIS Length	Y

Inspection Data

90 - Inspection Date	08/28/2019
91 - Inspection Freq	12
92A - Frac Crit Req/Freq	N
93A - Frac Crit Insp Date	
92B - Und Water Req/Freq	N
93B - Und Water Insp Date	
92C - Oth Spec Insp Req/Freq	N
93C - Oth Spec Insp Date	
92D - Fatigue Req/Freq	N
93D - Fatigue Insp Date	
176A - Und Water Insp Method	1
58 - Deck Rating	5
58A/B - Deck Surface/Bottom	4 6
59 - Superstructure Rating	7
59A - Paint Rating	N
60 - Substructure Rating	4
61 - Channel Rating	6
62 - Culvert Rating	N

Navigation Data

38 - Navigation Control	0
39 - Vertical Clearance	0
40 - Horizontal Clearance	0
111 - Pier Protection	
116 - Lift Brgd Vert Clear	

Route Carried By Structure(ON Record)

5A - Record Type	1
5B - Route Signing	5
5C - Level of Service	0
5D - Route Number	02006
5E - Direction Suffix	0
10L - Best 3m Unclr-Lt	0 0
10R - Best 3m Unclr-Rt	99 99
PR Number	
Control Section	
11 - Mile Point	0
12 - Base Highway Network	0
13 - LRS Route-Subroute	0000014299 06
19 - Detour Length	1
20 - Toll Facility	3
26 - Functional Class	16
28A - Lanes On	4
29 - ADT	7316
30 - Year of ADT	1997
32 - Appr Roadway Width	47.9
32A/B - Ap Pvt Type/Width	5 48
42A - Service Type On	5
47L - Left Horizontal Clear	0.0
47R - Right Horizontal Clear	47.9
53 - Min Vert Clr Ov Deck	99 99
100 - STRAHNET	0
102 - Traffic Direct	2
109 - Truck %	0
110 - Truck Network	0
114 - Future ADT	10500
115 - Year Future ADT	2010
Freeway	0

Structure Appraisal

36A - Bridge Railing	1
36B - Rail Transition	1
36C - Approach Rail	1
36D - Rail Termination	0
67 - Structure Evaluation	4
68 - Deck Geometry	2
69 - Underclearance	N
71 - Waterway Adequacy	8
72 - Approach Alignment	7
103 - Temporary Structure	
113 - Scour Criticality	U

Miscellaneous

37 - Historical Significance	5
98A - Border Bridge State	
98B - Border Bridge %	
101 - Parallel Structure	N
EPA ID	
Stay in Place Forms	
143 - Pin & Hanger Code	
148 - No. of Pin & Hangers	

Route Under Structure (UNDER Record)

5A - Record Type	
5B - Route Signing	
5C - Level of Service	
5D - Route Number	
5E - Direction Suffix	
10L - Best 3m Unclr-Lt	
10R - Best 3m Unclr-Rt	
PR Number	
Control Section	
11 - Mile Point	
12 - Base Highway Network	
13 - LRS Route-Subroute	
19 - Detour Length	
20 - Toll Facility	
26 - Functional Class	
28B - Lanes Under	
29 - ADT	
30 - Year of ADT	
42B - Service Type Under	5
47L - Left Horizontal Clear	
47R - Right Horizontal Clear	
54A - Left Feature	
54B - Left Underclearance	99 99
54C - Right Feature	
54D - Right Clearance	99 99
Under Clearance Year	
55A - Reference Feature	N
55B - Right Horiz Clearance	99.9
56 - Left Horiz Clearance	0
100 - STRAHNET	
102 - Traffic Direct	
109 - Truck %	
110 - Truck Network	
114 - Future ADT	
115 - Year Future ADT	
Freeway	

Proposed Improvements

75 - Type of Work	
76 - Length of Improvement	
94 - Bridge Cost	
95 - Roadway Cost	
96 - Total Cost	
97 - Year of Cost Estimate	

Load Rating and Posting

31 - Design Load	6
41 - Open, Posted, Closed	A
63 - Fed Oper Rtg Method	0
64F - Fed Oper Rtg Load	1.67
64MA - Mich Oper Rtg Method	0
64MB - Mich Oper Rtg	1
64MC - Mich Oper Truck	18
65 - Inv Rtg Method	0
66 - Inventory Load	1
70 - Posting	5
141 - Posted Loading	
193 - Overload Class	N

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MICHIGAN DEPARTMENT OF TRANSPORTATION

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WORK RECOMMENDATIONS

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WORK RECOMMENDATIONS

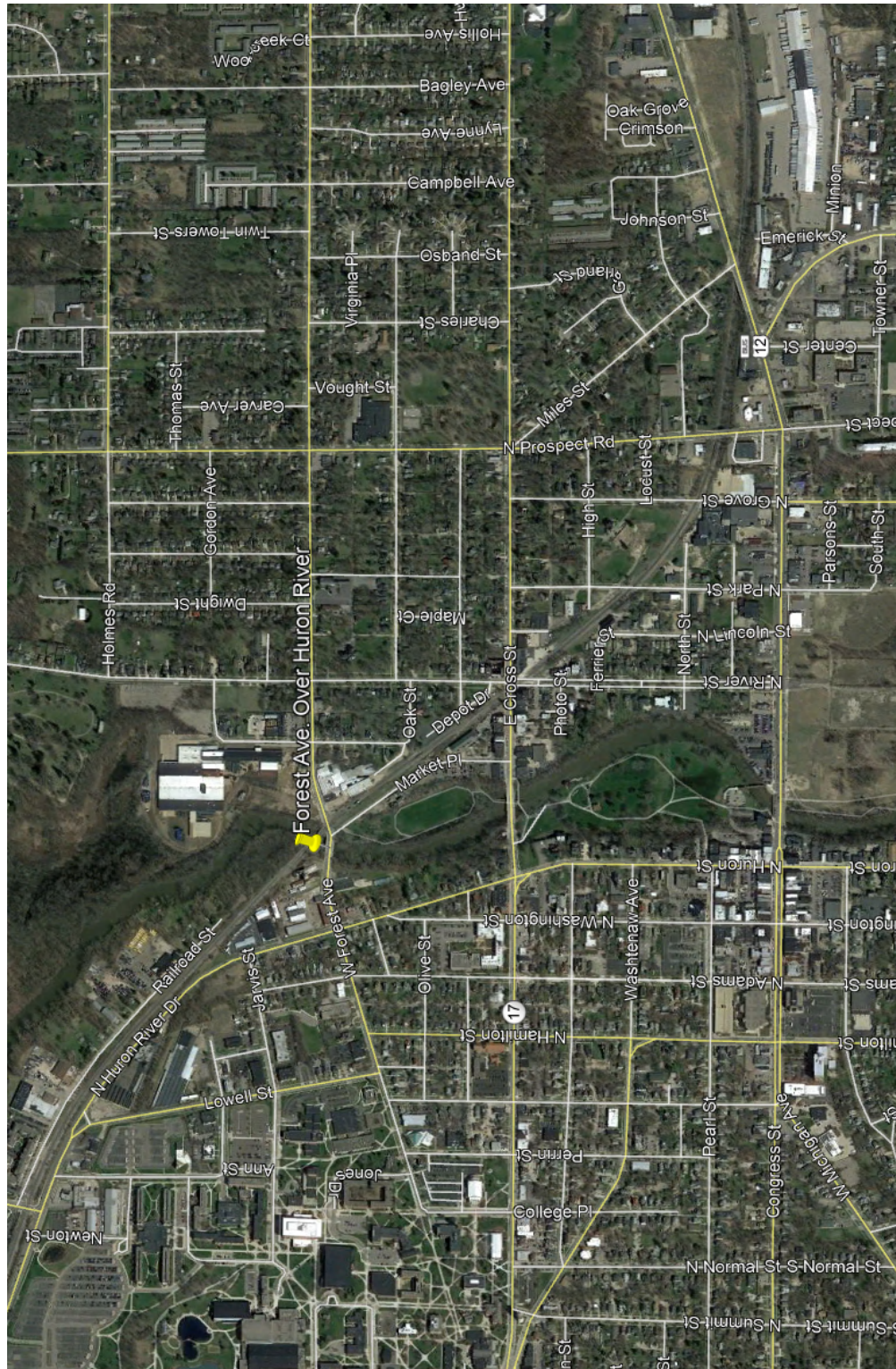
ERRC

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Adam Rychwalski	Orchard, Hiltz & McCliment Inc	12	08/28/2019

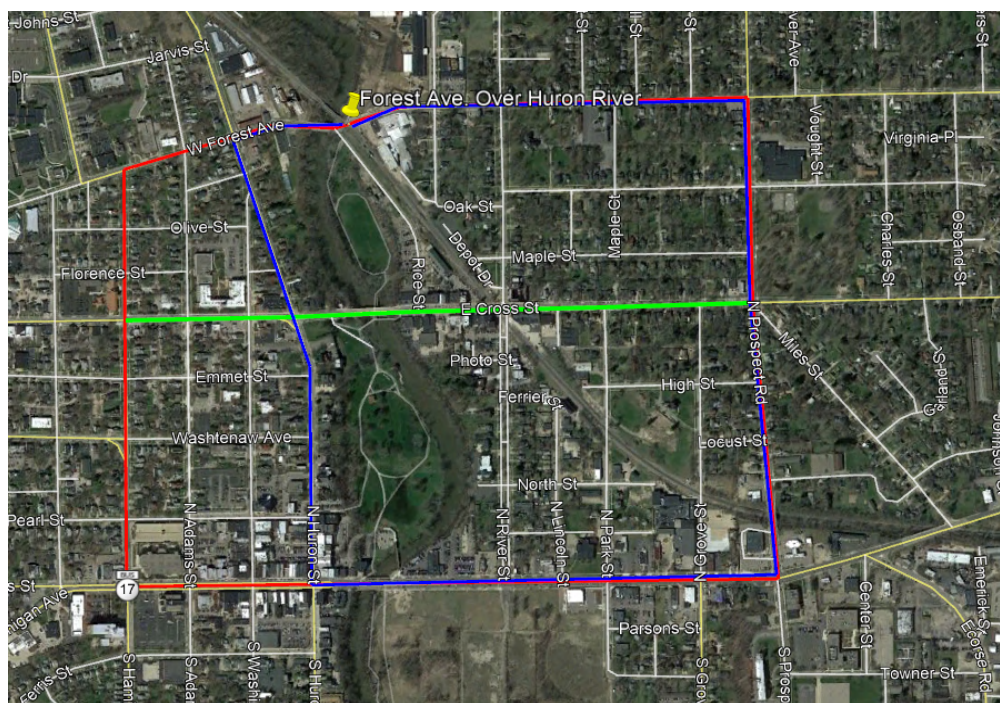
RECOMMENDATIONS & ACTION ITEMS

Recommendation Type	Priority	Description
Slope Repair	M	Repair undermining of slope paving. Place riprap in southeast quad.
Joint Repair	H	Reseal joints.
Deck Patching	H	Repair spalled areas.
Deep Overlay	H	Concrete overlay
Substr Repair	H	Repair Spalled and cracked areas on the pier.
Other	M	Place HMA wedging at ends of sidewalk where settlement or replace flags of sidewalk.

2a. Situation Map



2b. Detour Map



Eastbound: (Red)

Forest Ave. to Hamilton St.
Hamilton St. to Michigan Ave.*
Michigan Ave to Prospect St.
Prospect St. to Forest Ave.

Detour Length: 2.7 Miles

Westbound: (Blue)

Forest Ave. to Prospect St.
Prospect St. to Michigan Ave.*
Michigan Ave to Huron St.
Huron St. to Forest Ave.

Detour Length: 2.3 Miles

*Alternate Route: (Green)

Cross St. can be used instead of Michigan Ave, however the bridge over the Huron River currently has posted load restrictions.
Eastbound Detour Length: 2.0 Miles
Westbound Detour Length: 1.7 Miles

3. Photographs



Surface East



Surface West



Joint Condition



Reference Line West



Reference Line East



Pier Condition



Pier Condition



Pier Condition



Pier Condition

4. Application Requirements for Forest Ave. over the Huron River

A. Local Agency Contact Person

Brad Holman
Interim Director of Public Services
(734) 483-1421
bholman@cityofypsilanti.com

B. The purpose of this application is for the rehabilitation of the bridge carrying Forest Ave. over the Huron River. Funding requested shallow overlay of deck, pier cap replacement and approach work. The city is willing to contribute 10% matching funds.

C. Economic Importance of the Structure

This structure is located approximately 1.3 miles north of I-94 and 3.6 miles east of US-23 in Ypsilanti, MI and serves over 10,500 vehicles per day. The area surrounding the structure is predominantly industrial. The City of Ypsilanti DPW yard is located in the northwest quadrant of the bridge and there is a ladder manufacturing company in the southeast quadrant. Beyond the bridge it becomes residential.

This structure lies between Huron Street, a one-way traveling north, and River Street, a two-way north-south street, just north of Frog Island Park. Eastern Michigan University is directly west of this structure. Forest Ave. is one of four east-west roads crossing the Huron River in Ypsilanti. To bypass this crossing would mean traveling south to Cross Street, which is a longer route and is a more congested crossing. This crossing provides access for students traveling to the nearby schools and routes for emergency vehicles traveling to and from the St. Joseph Mercy Hospital, 2.0 miles away. It is used as the main crossing for deliveries to the ladder manufacturing industry and is used as a main access to the east side of the river by City of Ypsilanti DPW crews. The Huron River is a wide river throughout the City of Ypsilanti and there are only a few crossings. Closing any of the crossings will increase traffic at the other bridges and cause user delay.

The existing structure is precast I-beam bridge founded on concrete piers and abutments. The structure is currently in poor condition primarily due to the condition of the pier cap and the deck surface. The deck has several longitudinal and transverse cracks along with locations where delamination, spalling and patching have occurred. Some efflorescence is present along the longitudinal construction joint, and some leaching has occurred at the backwall. Some cracking is present at the bottom of the beams near the bearings. Both of the diaphragms at the north end of the structure have spalls with exposed rebar. The piers have multiple spalls exposing steel, and are the element in the worst condition on the bridge. The spalling is extensive and is starting to undermine the bearing. The area under the fascia beams is the most

deteriorated, however the remainder of the pier is also cracked. If the condition worsens, temporary supports and restricted loads across the structure will become necessary. Some erosion is present at the slope protection and in the channel.

To increase the life of the structure the top portion of the pier cap should be replaced and a shallow overlay applied to the deck.

Given the limited number of bridges crossing the Huron River near this location, closing this road would mean eliminating one of the few east-west routes through town and will cause more congestions and possible delays on the adjacent bridges, which are already load posted.

D. If there is a current detour, what does it affect?

Currently the bridge is open to traffic and there is no detour.

E. If the structure were to be closed, what would the detour affect?

If the structure were to be closed, the detour would affect the residents in the area. Forest Street is one of only a few crossings of the Huron River in the area and closing it will increase volumes of traffic on the surrounding roadways. The DPW yard is located in the northwest quadrant service crews would have to be detoured around to serve areas east of the bridge. The school system, with its already tight budget, will have cost increases because of the need to reroute its busses. Emergency vehicles may also see delays and increased cost due to rerouting. Michigan Ladder Co. will have to reroute deliveries in order to maintain business operations. The nearest crossing of the Huron River is over Cross Street to the south, however this structure is currently load posted and runs through historic depot town so would not serve well as a detour which means an even longer detour route.

F. The structure is not currently closed.

G. Maintenance of the Structure

Some surface patching has been done to this structure.

5. Estimated Rehabilitation Costs

Pier Cap Replacement and Shallow Concrete Overlay

A.	Approach Construction	\$ 127,000.00
B.	Structure Construction	\$ 1,118,000.00
Total (A & B)		\$ 1,245,000.00

The City of Ypsilanti is willing to provide 10% matching funds.

For a breakdown of Construction costs, see Appendix A.

6. Priority List

1. **Forest Street over Huron River**
2. Multiple PM
 1. Leforge Street over Huron River
 2. Factory Street over Huron River

7. Resolution

The resolution is attached in Appendix B.

8. Previous Applications

It is understood that all previous applications have been discarded and that this application will be used to select funding.

APPENDIX A

2020

LAP - BRIDGE COST ESTIMATE WORKSHEET

REV. 2/1/2020

- CPM, REHAB, REPLACE -

OWNER:	YPSILANTI	FISCAL YEAR:	2023	Out to Out	Curb to Curb	DATE:	3/23/2020
REGION:	University			LENGTH	WIDTH	ENGINEER:	KSO
TSC:	Brighton	PR: #N/A	MP: #N/A	148.0	59.7	47.9	
						STRUCTURE ID:	11090
						BRIDGE ID:	N/A
	LOCATION:	FOREST AVENUE	over	HURON RIVER			
	PRIMARY WORK ACTIVITY	Substructure Repair		DECK AREA:	8,836	SFT	STR. TYPE: Prestressed Concrete
	OTHER WORK:	Shallow Overlay		CLEAR ROADWAY:	7,089	SFT	Multi-Stringer, W or I-Bear

WORK ACTIVITY	Michigan Bridge Design Manual	QUANTITY	UNIT	UNIT COST	TOTAL
NEW BRIDGE (increase deck area based on design standards and hydraulic requirements)					
Single or Multiple Spans, Grade Separation	(add demo, approach, MOT)		SFT	\$220.00/SFT	
Single Span, Over Water	Length < 100ft (add demo, approach, MOT)		SFT	\$350.00/SFT	
Multiple Spans, Over Water	Length > 100ft (add demo, approach, MOT)		SFT	\$220.00/SFT	
Precast Culvert	Length < 40ft (add demo, approach, MOT)		SFT	\$350.00/SFT	
NEW SUPERSTRUCTURE					
New Superstructure, Grade Separation	(incl. remove exist deck/super; add MOT & approach)		SFT	\$170.00/SFT	
New Superstructure, Over Water	(incl. remove exist deck/super; add MOT & approach)		SFT	\$200.00/SFT	
WIDENING					
Structure Widening, _____ ft	(incl. deck/super/sub widening, add approach transition)		SFT	\$270.00/SFT	
NEW DECK					
New Bridge Deck & Barrier	(incl. remove exist deck/railing, add approach, MOT)		SFT	\$75.00/SFT	
DEMOLITION					
Entire Structure, Grade Separation			SFT	\$33.00/SFT	
Entire Structure, Over Water			SFT	\$46.00/SFT	
DECK REPAIR / TREATMENTS					
Bridge Railing Replacement	(incl. removal and replacement)		FT	\$400.00/FT	
Concrete Brush Block / Curb Patch	(incl. hand chipping and formwork)		FT	\$24.00/FT	
Concrete Barrier Patch	(incl. hand chipping and formwork)		SFT	\$45.00/SFT	
Concrete Deck Patch	(incl. hand chipping)	310.0	SFT	\$30.00/SFT	\$9,300
Deep Overlay	(incl. joint repl & hydro)		SFT	\$33.00/SFT	
Epoxy Overlay	(incl. warranty)		SYD	\$30.00/SYD	
Expansion Joint Gland Replacement	(remove and replace elastomeric gland)		FT	\$85.00/FT	
Expansion Joint Replacement	(incl. removal)		FT	\$600.00/FT	
Full Depth Patch			SFT	\$76.00/SFT	
Healer / Sealer	(penetrates cracks in bridge deck)		SYD	\$15.00/SYD	
HMA Overlay with WP membrane			SYD	\$53.00/SYD	
Overlay Removal	(Epoxy: \$8/syd Latex: \$16/syd HMA: \$7/syd)	904.4	SYD	\$16.00/SYD	\$14,471
Reseal Bridge Joints			FT	\$16.00/FT	
Shallow Overlay	(incl. joint repl & hydro)	8,140.0	SFT	\$22.00/SFT	\$179,080
SUPERSTRUCTURE REPAIR					
Bearing Realignment / Replacement	(incl. temporary supports)	18.0	EA	\$5,000.00/EA	\$90,000
Heat Straightening	(incl. clean and coat)		EA	\$50,000.00/EA	
Pack Rust Repair	(greater than 3/8" separation)		FT	\$500.00/FT	
Paint - Complete	(incl. clean & coat)		SFT	\$20.00/SFT	
Paint - Partial / Spot / Zone	(incl. clean & coat - \$20k minimum)		SFT	\$40.00/SFT	
PCI Beam End Blockout	(incl. temporary supports)		EA	\$7,200.00/EA	
Pin & Hanger Replacement	(incl. temporary supports)		EA	\$8,000.00/EA	
Structural Steel Repair	(based on 6ft length; for stiffeners use \$1,200 ea)		EA	\$3,000.00/EA	
SUBSTRUCTURE REPAIR					
Substructure Patching	(measured x 2) replace if repair area > 30%	1,120.0	CFT	\$300.00/CFT	\$336,000
Substructure Replacement	(incl. temporary supports, excavation)		CFT	\$180.00/CFT	
Substructure Horizontal Surface Sealer			SYD	\$40.00/SYD	
Temporary Supports	(add \$1,200 for ea steel beam - stiffeners)	18.0	EA	\$2,500.00/EA	\$45,000
MISCELLANEOUS					
Articulating Concrete Block System (ACB)			SYD	\$150.00/SYD	
Concrete Surface Coating			SYD	\$28.00/SYD	
Culvert Cleanout			FT	\$30.00/FT	
Epoxy Crack Injection	(structural crack repair)		FT	\$50.00/FT	
Metal Mesh Panels	(48" width, max 6'-6" length)		SFT	\$20.00/SFT	
Pressure Relief Joint	(use when approach concrete roadway exceeds 1,000ft)		FT	\$100.00/FT	
Riprap	(assume 10ft distance around perimeter of substructure)		SYD	\$175.00/SYD	
Silane Treatment	(penetrating sealer for concrete surfaces)		SFT	\$4.50/SFT	
Slope Protection Repairs		34.0	SYD	\$100.00/SYD	\$3,400
Other	Temporary supports for utilities and complex repair	1.0	LSUM	\$100,000.00/LSUM	\$100,000
STRUCTURE CONSTRUCTION BUDGET					\$777,251
ROAD WORK					
Approach Pavement, 12" RC	(incl. removal; add curb, gutter, guardrail) 20' ea. end		SYD	\$175.00/SYD	
Approach Curb & Gutter	(incl. removal) 20' ea. quadrant	40.0	FT	\$56.00/FT	\$2,240
Guardrail Anchorage to Bridge	(each quadrant)	4.0	EA	\$1,600.00/EA	\$6,400
Guardrail	(incl. removal) < 200ft beyond reference line		FT	\$28.00/FT	
Guardrail Terminal	(each quadrant)	4.0	EA	\$2,300.00/EA	\$9,200
Roadway Approach Work	(beyond approach pavement)	1.0	LSUM	\$10,000.00/LSUM	\$10,000
HMA Approach Remove and Replace		1,916.0	SFT	\$13.00/SFT	\$24,908
Utilities			LSUM		
TRAFFIC CONTROL Unit Cost to be determined by Region or TSC Traffic & Safety					
Part Width Construction			LSUM		
Crossovers			EA	\$300,000.00/EA	
Temporary Traffic Signals			set	\$25,000.00/set	
RR Flagging			LSUM		
Detour		1.0	LSUM	\$35,000.00/LSUM	\$35,000
RELATED ROAD/TRAFFIC CONSTRUCTION BUDGET					\$87,748
CONTINGENCY (10% - 20%) (use higher contingency for small projects)					
MOBILIZATION (estimate at 10%)					
INFLATION (assume 3% per year, beginning in 2021)					

(Does not include PE or CE)

TOTAL CONSTRUCTION BUDGET **\$1,245,000**

APPENDIX B



REQUEST FOR LEGISLATION

TO: Mayor and City Council
FROM: Ron Akers
DATE: April 7, 2020
SUBJECT: Application to Local Bridge Program for Factory Street Bridge and LeForge Street Bridge

DESCRIPTION:

Application to Local Bridge Program for Factory Street Bridge and LeForge Street Bridge

SUMMARY:

The bridge located on Factory Street over the Huron River was constructed in 1978 and last rehabilitated in 2011 and the bridge located on LeForge Street over the Huron River was constructed in 1983 and rehabilitated in 2009. The bi-annual bridge inspections conducted by OHM in 2019 indicate that both bridges are in fair condition, but will require some minor improvements in the coming years including patching and sealing cracks for the Factory Street bridge, and replace approach pavement, seal end joints, and seal the deck of the bridge with epoxy overlay for the LeForge street bridge.

Last year the City applied for but did not receive funding under the MDOT Local Bridge Program to perform this work and we are planning on requesting funding again this year. In order to do this OHM and City staff are requesting that City Council approve a resolution which authorizes the Director of Public Services and OHM to apply to the Michigan Department of Transportation for the 2020 Local Bridge Program to obtain for the necessary funding to complete preventative maintenance on the LeForge Street and Factory Street bridges.

As a matter of clarification, the Forest Avenue bridge is in a separate category from the LeForge Street and Factory Street bridges due to their condition and the type of work that is necessary to restore the bridges. Due to this the inclusion of the Factory Street and LeForge Street bridges is not anticipated to impact the City's eligibility to receive funding for the Forest Street bridge which is a higher priority project.

RECOMMENDED ACTION:

Staff recommends City Council authorize OHM, and the Director of Public Services to apply to the Michigan Department of Transportation for the 2020 Local Bridge Program to obtain the necessary funding to complete preventative maintenance on the Factory Street and LeForge Street bridges.

ATTACHMENTS: 2019 Bridge Inspection Report, Bridge Applications, 2018 OHM Cost Estimates

CITY MANAGER APPROVAL: _____ COUNCIL AGENDA DATE: _____

CITY MANAGER COMMENTS: _____

FISCAL SERVICES DIRECTOR APPROVAL: _____



Resolution No. 2020-076
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, the bridges on Factory Street and LeForge Street over the Huron River in the City of Ypsilanti needs preventative maintenance repairs to extend the life of the bridge; and,

WHEREAS, OHM, consulting engineers for the City of Ypsilanti, completed the inspection of the bridges in the City and prepared inspection reports and other information on the above-mentioned bridges; and,

WHEREAS, based on the findings and recommendations of OHM, the Director of Public Services recommends that the City Council authorize the Director of Public Services and OHM to make application to the Michigan Department of Transportation's Local Bridge Program for bridge preventative maintenance; and,

WHEREAS, the City of Ypsilanti has available 5% portion of the project financing available;

NOW THEREFORE BE IT RESOLVED THAT that the City Council of the City of Ypsilanti authorizes the Director of Public Services and OHM to apply to the Michigan Department of Transportation's Local Bridge Program with the application seeking financial assistance to perform preventative maintenance work on the LeForge Street and Factory Street bridges.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this 7 day of April 2020

#Resolution No. 2020-076

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11088

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
FACTORY STREET	42.2348 / -83.6077	814747800011B01	Fair Condition(5)	
Feature	Length / Width / Spans	Owner		
HURON RIVER	226 / 71.9 / 3	City: YPSILANTI(7478)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
IN THE CITY OF YPSILANTI	1978 / / / 2011	Brighton(3)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
University(6) / Washtenaw(81)	5 Prestressed Concrete / 05 Box Bm/Gird- Multiple	08/28/2019 / 1F7A	3 SC - Unstable	

NBI INSPECTION

1F7A

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Adam Rychwalski	Orchard, Hiltz & McCliment Inc	24	08/28/2019

GENERAL NOTES

DECK

	05/17	05/19	08/19	
1. Surface (SIA-58A)	5	5	5	HMA starting to crack between beams. Cracks are open and unsealed. Longitudinal cracks entire length located along lane line. Crack along centerline is wide with some potholes. Potholes adjacent to west pier joint concrete, WB interior lane. (08/19) HMA starting to crack between beams. Cracks are open and unsealed. Longitudinal cracks entire length located along lane line. Crack along centerline is wide with some potholes. Potholes adjacent to west pier joint concrete, WB interior lane. (05/19) HMA starting to crack between beams. Cracks are open and unsealed. Longitudinal cracks entire length located along lane line. Crack along centerline is wide with some potholes. Potholes adjacent to joint concrete especially at west end (05/17)
2. Expansion Joints	7	6	6	Expansion Joints are debris filled, located at abutments and west pier. (08/19) Expansion Joints are debris filled, located at abutments and west pier. (05/19) Joints are debris filled. (05/17)
3. Other Joints	N	6	6	Ragged cracking in HMA over Pier 2 ref line. Joint seal in sidewalk. (08/19) Ragged cracking in HMA over Pier 2 ref line. Joint seal in sidewalk. (05/19) (05/17)
4. Railings	7	6	6	Concrete barrier railing separating peds and vehicles. Galv 3 tube pedestrian rail on outside of sidewalks has a few rust spots. Vertical cracks on concrete barriers. Spalled with exposed rebar in NE approach. A few areas of map cracking along top edge of barrier. Areas of barrier previously patched. Patches in good condition. (08/19) Concrete barrier railing separating peds and vehicles. Galv 3 tube pedestrian rail on outside of sidewalks has a few rust spots. Vertical cracks on concrete barriers. Spalled with exposed rebar in NE approach. A few areas of map cracking along top edge of barrier. Areas of barrier previously patched. Patches in good condition. (05/19) Metal railing missing entirely from the barrier walls separating peds and vehicles. Metal pedestrian rail has a few rust spots. Vertical cracks on concrete barriers. A few areas of map cracking along top edge of barrier. Areas of barrier previously patched. Patches in good condition. (05/17)
5. Sidewalks or Curbs	6	6	6	A spalled areas on the south sidewalk at the east end of the east span. North sidewalk has large areas of surface spalling in north sidewalk in center span near west pier and west span with rebar exposed and crumbling concrete. Evidence of slag mix. (08/19) A spalled areas on the south sidewalk at the east end of the east span. North sidewalk has large areas of surface spalling in north sidewalk in center span near west pier and west span with rebar exposed and crumbling concrete. Evidence of slag mix. (05/19) A spalled areas on the south sidewalk at the east end of the east span. A couple of small spalls at the west end of the north sidewalk and one at the east end. Several areas of patching and some cracking on both sidewalks. Large surface spall in north sidewalk in center span near west pier. North sidewalk has several large spalled areas with steel exposed and crumbling concrete. Evidence of slag mix. (05/17)
6. Deck Bottom Surface (SIA-58B)	N	N	N	side by side box beams. (08/19) side by side box beams. (05/19) (05/17)

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7. Deck (SIA-58)	5	5	5	HMA on side-by-side box beams. See surface comments. (08/19) HMA on side-by-side box beams. See surface comments. (05/19) No structural deck. HMA on side-by-side box beams. See surface comments. (05/17)
8. Drainage				(08/19) (05/19) (05/17)

SUPERSTRUCTURE

05/17 05/19 08/19

9. Stringer (SIA-59)	6	6	6	B3N in west span has a spall with exposed and broken strand. North fascia beam over west pier has a spall. Beam 4S in east span has a spall with no rebar exposed. Joint 3N in middle of span has extensive leaking and efflorescence. Several other locations have leaking between beams. Post tensioning ducts are not grouted. (08/19) B3N in west span has a spall with exposed and broken strand. North fascia beam over west pier has a spall. Beam 4S in east span has a spall with no rebar exposed. Joint 3N in middle of span has extensive leaking and efflorescence. Several other locations have leaking between beams. Post tensioning ducts are not grouted. (05/19) B3N in west span has a spall with exposed and broken strand. North fascia beam over west pier has a spall. Beam 4S in east span has a spall with no rebar exposed. Joint 3N in middle of span has extensive leaking and efflorescence. Several other locations have leaking between beams. Post tensioning ducts are not grouted. (05/17)
10. Paint (SIA-59A)	N	N	N	(08/19) (05/19) (05/17)
11. Section Loss	N	N	N	(08/19) (05/19) (05/17)
12. Bearings	5	5	5	Bearings at abutments are bulging and some are hanging off the abutment slightly. Bearing on the north side of east pier is not on pier cap because of the way the pier cap was constructed too short, not because of movement. (08/19) Bearings at abutments are bulging and some are hanging off the abutment slightly. Bearing on the north side of east pier is not on pier cap because of the way the pier cap was constructed too short, not because of movement. (05/19) Bearings at abutments are bulging and some are hanging off the abutment slightly. Bearing on the north side of east pier is not on pier cap because of the way the pier cap was constructed not because of movement. (05/17)

SUBSTRUCTURE

05/17 05/19 08/19

13. Abutments (SIA-60)	6	6	6	Vertical cracks with some leaching on abutments. Minor map cracking on west abutment. Map cracking with leaching and 2 large spalls (not to steel) on south quarter of east abutment. Spalling at north corner of east abutment. (08/19) Vertical cracks with some leaching on abutments. Minor map cracking on west abutment. Map cracking with leaching and 2 large spalls (not to steel) on south quarter of east abutment. Spalling at north corner of east abutment. (05/19) Vertical cracks with some leaching on abutments. Minor map cracking on west abutment. Map cracking with leaching and 2 large spalls (not to steel) on south quarter of east abutment. (05/17)
14. Piers (SIA-60)	6	6	6	Cracks in concrete encasement of steel H-piles. Some of the crack has been sealed with an epoxy sealant and some are open. Cracks not effecting structural capacity of pile. (08/19) Cracks in concrete encasement of steel H-piles. Some of the crack has been sealed with an epoxy sealant and some are open. Cracks not effecting structural capacity of pile. (05/19) Cracks in concrete encasement of steel H-piles. Some of the crack has been sealed with an epoxy sealant and some are open. Cracks not effecting structural capacity of pile. (05/17)

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15. Slope Protection	N	N	N	(08/19) (05/19) (05/17)
16. Channel (SIA-61)	7	7	7	Channel flows from east to south, bends around east abutment. Some sunken debris at east pier and large pile downstream of east span. (08/19) Channel flows from east to south, bends around east abutment. Some sunken debris at east pier and large pile downstream of east span. (05/19) Some sunken debris at east pier. River takes a 90 degree turn just upstream of structure. No signs of scour or erosion of banks. (05/17)
17. Scour Inspection	7	7	7	Piled supported. (08/19) Piled supported. Water velocity too high to wade after heavy rain. (05/19) Piled supported, no scour noted (05/17)

APPROACH

	05/17	05/19	08/19	
18. Approach Pavement	6	6	6	Longitudinal and transverse cracks in both approaches. A few potholes in approach HMA (08/19) Longitudinal and transverse cracks in both approaches. A few potholes in approach HMA (05/19) Longitudinal and transverse cracks in both approaches. A few potholes in approach HMA (05/17)
19. Approach Shoulders Sidewalks	8	7	7	2 bolts missing from cover plate in SW quadrant. (08/19) 2 bolts missing from cover plate in SW quadrant. (05/19) 2 bolts missing from cover plate in SW quadrant. (05/17)
20. Approach Slopes				No problems noted. (08/19) No problems noted. (05/19) No problems noted. (05/17)
21. Utilities				Gas marker in SW quad. Lights on both fascias. Three utility ducts on south side. Railroad crossing 150' east of structure. (08/19) Gas marker in SW quad. Lights on both fascias. Three utility ducts on south side. Railroad crossing 150' east of structure. (05/19) Gas marker in SW quad. Lights on both fascias. Three utility ducts on south side. Railroad crossing 150' east of structure. (05/17)
22. Drainage Culverts				(08/19) (05/19) (05/17)

MISCELLANEOUS

Guard Rail		Other Items	
<u>Item</u>	<u>Rating</u>	<u>Item</u>	<u>Rating</u>
36A. Bridge Railings	1	71. Water Adequacy	8
36B. Transitions	1	72. Approach Alignment	8
36C. Approach Guardrail	0	Temporary Support	0 No Temporary Supports
36D. Approach Guardrail Ends	0	High Load Hit (M)	No
		Special Insp. Equipment	
		Underwater Insp. Method	2
False Decking (Timber) Removed to Complete Inspection		N/A - No False Decking	

Critical Feature Inspections (SIA-92)

	<u>Freq</u>	<u>Date</u>
92A. Fracture Critical		

Printed on 03/23/2020

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92B. Underwater

92C. Other Special

92D. Fatigue Sensitive

MICHIGAN DEPARTMENT OF TRANSPORTATION

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STRUCTURE INVENTORY AND APPRAISAL

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Bridge History, Type, Materials

27 - Year Built	1978
106 - Year Reconstructed	
202 - Year Painted	
203 - Year Overlay	2011
43 - Main Span Bridge Type	5 05
44 - Appr Span Bridge Type	
77 - Steel Type	0
78 - Paint Type	0
79 - Rail Type	8
80 - Post Type	0
107 - Deck Type	1
108A - Wearing Surface	6
108B - Membrane	2
108C - Deck Protection	0

Structure Dimensions

34 - Skew	24
35 - Struct Flared	0
45 - Num Main Spans	3
46 - Num Apprs Spans	0
48 - Max Span Length	73.8
49 - Structure Length	226
50A - Width Left Curb/SW	5.9
50B - Width Right Curb/SW	8.2
33 - Median	0
51 - Width Curb to Curb	54.8
52 - Width Out to Out	71.9
112 - NBIS Length	Y

Inspection Data

90 - Inspection Date	08/28/2019
91 - Inspection Freq	24
92A - Frac Crit Req/Freq	N
93A - Frac Crit Insp Date	
92B - Und Water Req/Freq	N
93B - Und Water Insp Date	
92C - Oth Spec Insp Req/Freq	N
93C - Oth Spec Insp Date	
92D - Fatigue Req/Freq	N
93D - Fatigue Insp Date	
176A - Und Water Insp Method	2
58 - Deck Rating	5
58A/B - Deck Surface/Bottom	5 N
59 - Superstructure Rating	6
59A - Paint Rating	N
60 - Substructure Rating	6
61 - Channel Rating	7
62 - Culvert Rating	N

Navigation Data

38 - Navigation Control	0
39 - Vertical Clearance	0
40 - Horizontal Clearance	0
111 - Pier Protection	
116 - Lift Brgd Vert Clear	

Route Carried By Structure(ON Record)

5A - Record Type	1
5B - Route Signing	5
5C - Level of Service	0
5D - Route Number	02006
5E - Direction Suffix	0
10L - Best 3m Unclr-Lt	0 0
10R - Best 3m Unclr-Rt	99 99
PR Number	
Control Section	
11 - Mile Point	0
12 - Base Highway Network	0
13 - LRS Route-Subroute	0000014285 08
19 - Detour Length	2
20 - Toll Facility	3
26 - Functional Class	16
28A - Lanes On	4
29 - ADT	16944
30 - Year of ADT	2007
32 - Appr Roadway Width	52.2
32A/B - Ap Pvt Type/Width	5 52
42A - Service Type On	5
47L - Left Horizontal Clear	0.0
47R - Right Horizontal Clear	54.8
53 - Min Vert Clr Ov Deck	99 99
100 - STRAHNET	0
102 - Traffic Direct	2
109 - Truck %	5
110 - Truck Network	0
114 - Future ADT	22875
115 - Year Future ADT	2010
Freeway	0

Structure Appraisal

36A - Bridge Railing	1
36B - Rail Transition	1
36C - Approach Rail	0
36D - Rail Termination	0
67 - Structure Evaluation	6
68 - Deck Geometry	5
69 - Underclearance	N
71 - Waterway Adequacy	8
72 - Approach Alignment	8
103 - Temporary Structure	
113 - Scour Criticality	3

Miscellaneous

37 - Historical Significance	5
98A - Border Bridge State	
98B - Border Bridge %	
101 - Parallel Structure	N
EPA ID	
Stay in Place Forms	
143 - Pin & Hanger Code	
148 - No. of Pin & Hangers	

Route Under Structure (UNDER Record)

5A - Record Type	
5B - Route Signing	
5C - Level of Service	
5D - Route Number	
5E - Direction Suffix	
10L - Best 3m Unclr-Lt	
10R - Best 3m Unclr-Rt	
PR Number	
Control Section	
11 - Mile Point	
12 - Base Highway Network	
13 - LRS Route-Subroute	
19 - Detour Length	
20 - Toll Facility	
26 - Functional Class	
28B - Lanes Under	
29 - ADT	
30 - Year of ADT	
42B - Service Type Under	5
47L - Left Horizontal Clear	
47R - Right Horizontal Clear	
54A - Left Feature	
54B - Left Underclearance	99 99
54C - Right Feature	
54D - Right Clearance	99 99
Under Clearance Year	
55A - Reference Feature	N
55B - Right Horiz Clearance	99.9
56 - Left Horiz Clearance	0
100 - STRAHNET	
102 - Traffic Direct	
109 - Truck %	
110 - Truck Network	
114 - Future ADT	
115 - Year Future ADT	
Freeway	

Proposed Improvements

75 - Type of Work	
76 - Length of Improvement	
94 - Bridge Cost	
95 - Roadway Cost	
96 - Total Cost	
97 - Year of Cost Estimate	

Load Rating and Posting

31 - Design Load	6
41 - Open, Posted, Closed	A
63 - Fed Oper Rtg Method	6
64F - Fed Oper Rtg Load	2.03
64MA - Mich Oper Rtg Method	6
64MB - Mich Oper Rtg	1.16
64MC - Mich Oper Truck	18
65 - Inv Rtg Method	6
66 - Inventory Load	1.21
70 - Posting	5
141 - Posted Loading	
193 - Overload Class	

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11088

WORK RECOMMENDATIONS

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
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WORK RECOMMENDATIONS

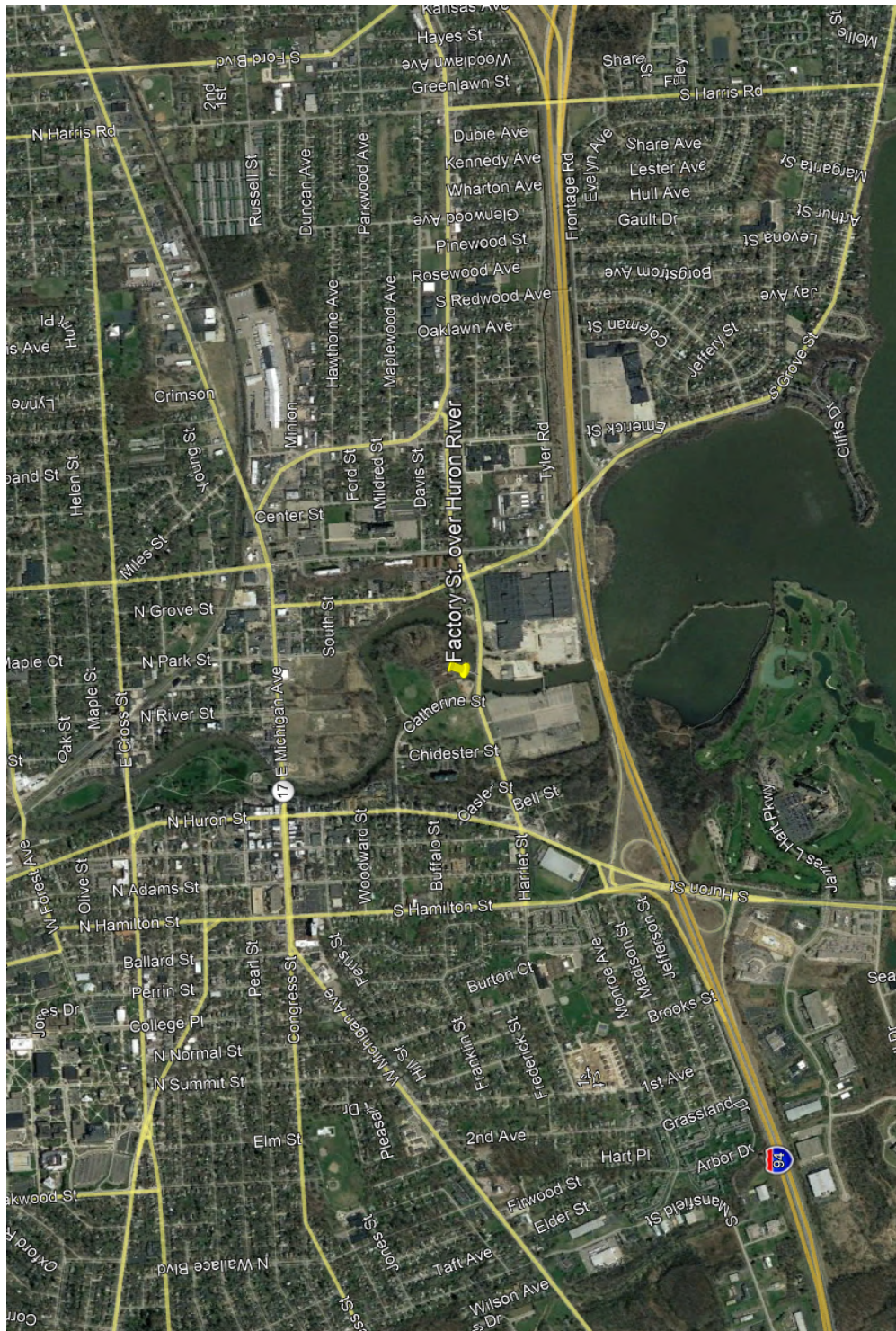
1F7A

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Adam Rychwalski	Orchard, Hiltz & McCliment Inc	24	08/28/2019

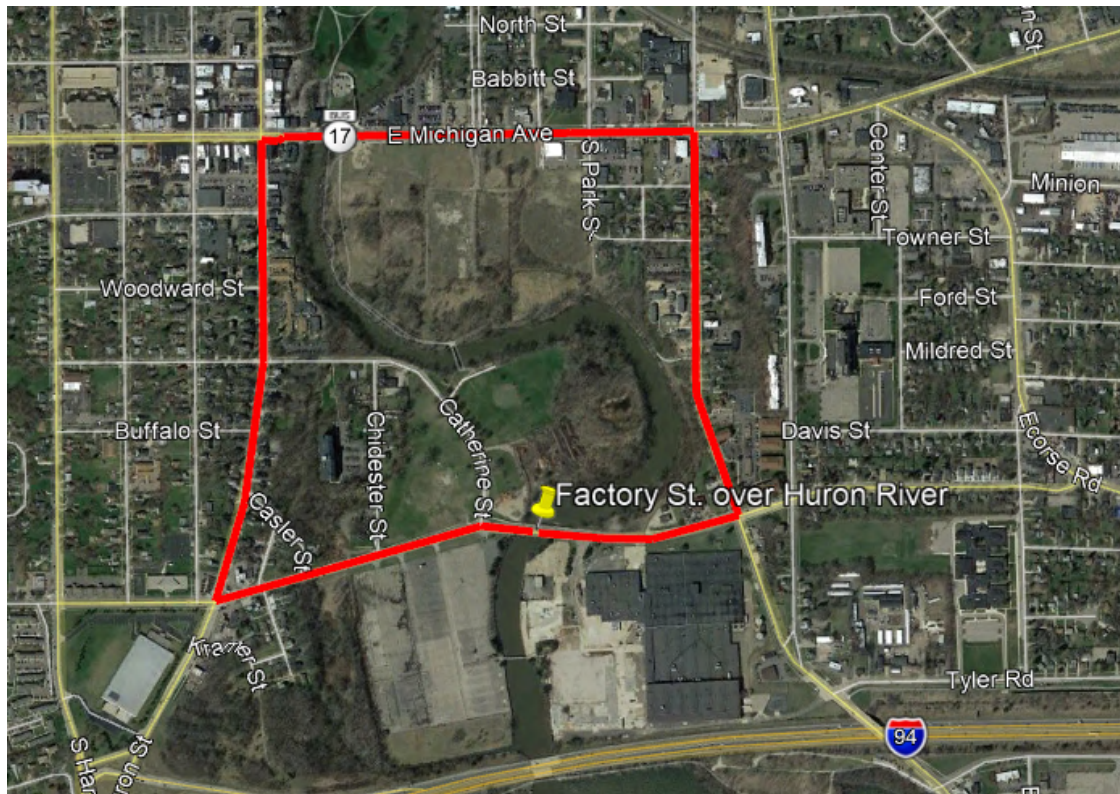
RECOMMENDATIONS & ACTION ITEMS

Recommendation Type	Priority	Description
Deck Patching	H	Seal cracks in MHA pavement on deck and approaches. Repair sidewalk spalls

2a. Situation Map



2b. Detour Map



Factory/Spring St. to Huron St.
Huron St. to Michigan Ave.
Michigan Ave. to Grove St.
Grove St. to Factory/Spring St.

Detour Length: 2.0 Miles

3. Photographs



Fascia



Surface



East Reference Line



Expansion Joint



Sidewalk Spalling



Sidewalk Spalling



Stringer



Pier



Abutment East

4. Application Requirements for Factory/Spring Street over the Huron River

A. Local Agency Contact Person

Brad Holman
Interim Director of Public Services
(734) 483-1421
bholman@cityofypsilanti.com

B. The purpose of this application is for the preventative maintenance of the bridge carrying Factory/Spring Street over the Huron River. Funding requested for HMA patching and crack sealing on bridge and approaches and concrete patching on the sidewalk.

C. Economic Importance of the Structure

This structure is located approximately 0.25 miles north of I-94 and 4.0 miles east of US-23 in Ypsilanti, MI and serves over 23,000 vehicles per day. The area surrounding the structure is predominately residential. Factory/Spring St. is an east-west road. This portion of Factory/Spring St. is the northern residential route around Ford Lake. The next bridge to cross the Huron River to the north of Ford Lake is over 0.5 miles away.

This structure lies between Huron Street, a one way northbound road, and Grove Road which is a two way north-south road. Factory/Spring Street provides access for people coming off I-94 and needing access east of Huron River. To bypass this Factory Street crossing means heading up to Michigan Avenue which is a longer route with more congestion. Perry Elementary is 0.7 miles east of the crossing and Washtenaw International High School is 0.5 miles west of the crossing. This crossing provides access for students and busses to these schools. There are two medical clinics just east of Grove Road near Factory Street which see patients that come off Huron Street and head east on Factory Street for the most direct route. The Huron River is a wide river throughout the City of Ypsilanti and there are only a few crossings. Closing any of the crossings will increase traffic at the other bridges and cause user delay.

The City is working hard to manage their assets, to ensure they can provide the right fixes at the right time, which ultimately saves money for not only the county but the tax payers in general. By doing preventative maintenance on this structure now it will be an economic repair that will extend the life of the structure for several years and prevent more costly repairs.

The existing bridge is a side by side prestressed concrete box beam and is currently in fair condition. The HMA that makes up the bridge deck has started to crack between the prestressed beams. These cracks are currently open and unsealed. The widest of these is a crack at the centerline of the bridge and contains some potholes. These cracks allow water to penetrate the

deck surface and potentially enter the beams below. The north and south sidewalks along this bridge are also in need of repair. There is a large surface spall in the north sidewalk near the west pier of the center span and several other spalls that have exposed rebar and crumbling concrete. This is a potential hazard to any pedestrians crossing the bridge, particularly students who may be walking to school. To increase the life of the structure, it would be beneficial to patch and seal any cracks in the HMA on the bridge and the approaches. The spalls in the sidewalk should also be patched. These repairs will help prevent further water damage to the bridge and patching the spalls will eliminate that hazard to pedestrians.

Often preventative maintenance work is small in nature and bid prices are higher than average. Combining multiple bridges, with the same or similar fixes, in the same general area can help reduce bid prices slightly. The structures at Factory/Spring St, and LeForge St. both require preventative maintenance and are within 1.7 miles of each other making them perfect candidates to group together.

D. If there is a current detour, what does it affect?

Currently the bridge is open to traffic and there is no detour.

E. If the structure were to be closed, what would the detour affect?

If the structure were to be closed, the detour would affect the residents in the area. Factory/Spring Street is one of only a few crossings of the Huron River in the area and closing it will increase volumes of traffic on the surrounding roadways. The school system, with its already tight budget, will have cost increases because of the need to reroute its busses.

F. The structure is not currently closed.

G. Maintenance of the Structure

An HMA overlay with waterproofing was placed on the structure in 2011.

5. Estimated Rehabilitation Costs

Asphalt Overlay

A. Approach Construction	\$ 29,000.00
B. Structure Construction	\$ 177,000.00
Total (A & B)	\$ 206,000.00

For a breakdown of Construction costs, see Appendix A.

6. Priority List

1. Forest Street over Huron River
2. **Multiple PM**
 1. **Leforge Street over Huron River**
 2. **Factory Street over Huron River**

7. Resolution

The resolution is attached in Appendix B.

8. Previous Applications

It is understood that all previous applications have been discarded and that this application will be used to select funding.

APPENDIX A

2020

LAP - BRIDGE COST ESTIMATE WORKSHEET

REV. 2/1/2020

- CPM, REHAB, REPLACE -

OWNER:	YPSILANTI	FISCAL YEAR:	2023	Out to Out	Curb to Curb	DATE:	3/23/2020
REGION:	University			LENGTH	WIDTH	ENGINEER:	KSO
TSC:	Brighton	PR: #N/A	MP: #N/A	226.0	71.9	54.8	
						STRUCTURE ID:	11088
						BRIDGE ID:	N/A
	LOCATION:	FACTORY STREET	over	HURON RIVER			
	PRIMARY WORK ACTIVITY:	Asphalt overlay w/waterproofing		DECK AREA:	16,249	SFT	STR. TYPE: Prestressed Concrete
	OTHER WORK:			CLEAR ROADWAY:	12,385	SFT	Box Beam or Girders - Mul

WORK ACTIVITY	Michigan Bridge Design Manual	QUANTITY	UNIT	UNIT COST	TOTAL
NEW BRIDGE (increase deck area based on design standards and hydraulic requirements)					
Single or Multiple Spans, Grade Separation	(add demo, approach, MOT)		SFT	\$220.00/SFT	
Single Span, Over Water	Length < 100ft (add demo, approach, MOT)		SFT	\$350.00/SFT	
Multiple Spans, Over Water	Length > 100ft (add demo, approach, MOT)		SFT	\$220.00/SFT	
Precast Culvert	Length < 40ft (add demo, approach, MOT)		SFT	\$350.00/SFT	
NEW SUPERSTRUCTURE					
New Superstructure, Grade Separation	(incl. remove exist deck/super; add MOT & approach)		SFT	\$170.00/SFT	
New Superstructure, Over Water	(incl. remove exist deck/super; add MOT & approach)		SFT	\$200.00/SFT	
WIDENING					
Structure Widening, _____ ft	(incl. deck/super/sub widening, add approach transition)		SFT	\$270.00/SFT	
NEW DECK					
New Bridge Deck & Barrier	(incl. remove exist deck/railing, add approach, MOT)		SFT	\$75.00/SFT	
DEMOLITION					
Entire Structure, Grade Separation			SFT	\$33.00/SFT	
Entire Structure, Over Water			SFT	\$46.00/SFT	
DECK REPAIR / TREATMENTS					
Bridge Railing Replacement	(incl. removal and replacement)		FT	\$400.00/FT	
Concrete Brush Block / Curb Patch	(incl. hand chipping and formwork)		FT	\$24.00/FT	
Concrete Barrier Patch	(incl. hand chipping and formwork)		SFT	\$45.00/SFT	
Concrete Deck Patch	(incl. hand chipping)	1,000.0	SFT	\$30.00/SFT	\$30,000
Deep Overlay	(incl. joint repl & hydro)		SFT	\$33.00/SFT	
Epoxy Overlay	(incl. warranty)		SYD	\$30.00/SYD	
Expansion Joint Gland Replacement	(remove and replace elastomeric gland)		FT	\$85.00/FT	
Expansion Joint Replacement	(incl. removal)		FT	\$600.00/FT	
Full Depth Patch			SFT	\$76.00/SFT	
Healer / Sealer	(penetrates cracks in bridge deck)		SYD	\$15.00/SYD	
HMA Overlay with WP membrane		1,376.1	SYD	\$53.00/SYD	\$72,933
Overlay Removal	(Epoxy: \$8/syd Latex: \$16/syd HMA: \$7/syd)	1,376.1	SYD	\$7.00/SYD	\$9,633
Reseal Bridge Joints			FT	\$16.00/FT	
Shallow Overlay	(incl. joint repl & hydro)		SFT	\$22.00/SFT	
SUPERSTRUCTURE REPAIR					
Bearing Realignment / Replacement	(incl. temporary supports)		EA	\$5,000.00/EA	
Heat Straightening	(incl. clean and coat)		EA	\$50,000.00/EA	
Pack Rust Repair	(greater than 3/8" separation)		FT	\$500.00/FT	
Paint - Complete	(incl. clean & coat)		SFT	\$20.00/SFT	
Paint - Partial / Spot / Zone	(incl. clean & coat - \$20k minimum)		SFT	\$40.00/SFT	
PCI Beam End Blockout	(incl. temporary supports)		EA	\$7,200.00/EA	
Pin & Hanger Replacement	(incl. temporary supports)		EA	\$8,000.00/EA	
Structural Steel Repair	(based on 6ft length; for stiffeners use \$1,200 ea)		EA	\$3,000.00/EA	
SUBSTRUCTURE REPAIR					
Substructure Patching	(measured x 2) replace if repair area > 30%		CFT	\$300.00/CFT	
Substructure Replacement	(incl. temporary supports, excavation)		CFT	\$180.00/CFT	
Substructure Horizontal Surface Sealer			SYD	\$40.00/SYD	
Temporary Supports	(add \$1,200 for ea steel beam - stiffeners)		EA	\$2,500.00/EA	
MISCELLANEOUS					
Articulating Concrete Block System (ACB)			SYD	\$150.00/SYD	
Concrete Surface Coating			SYD	\$28.00/SYD	
Culvert Cleanout			FT	\$30.00/FT	
Epoxy Crack Injection	(structural crack repair)		FT	\$50.00/FT	
Metal Mesh Panels	(48" width, max 6'-6" length)		SFT	\$20.00/SFT	
Pressure Relief Joint	(use when approach concrete roadway exceeds 1,000ft)		FT	\$100.00/FT	
Riprap	(assume 10ft distance around perimeter of substructure)		SYD	\$175.00/SYD	
Silane Treatment	(penetrating sealer for concrete surfaces)		SFT	\$4.50/SFT	
Slope Protection Repairs			SYD	\$100.00/SYD	
Other	HMA patching and crack sealing	1.0	LSUM	\$10,000.00/LSUM	\$10,000
STRUCTURE CONSTRUCTION BUDGET					\$122,565
ROAD WORK					
Approach Pavement, 12" RC	(incl. removal; add curb, gutter, guardrail) 20' ea. end		SYD	\$175.00/SYD	
Approach Curb & Gutter	(incl. removal) 20' ea. quadrant		FT	\$56.00/FT	
Guardrail Anchorage to Bridge	(each quadrant)		EA	\$1,600.00/EA	
Guardrail	(incl. removal) < 200ft beyond reference line		FT	\$28.00/FT	
Guardrail Terminal	(each quadrant)		EA	\$2,300.00/EA	
Roadway Approach Work	(beyond approach pavement)		LSUM		LSUM
Utilities			LSUM		LSUM
TRAFFIC CONTROL Unit Cost to be determined by Region or TSC Traffic & Safety					
Part Width Construction			LSUM		LSUM
Crossovers			EA	\$300,000.00/EA	
Temporary Traffic Signals			set	\$25,000.00/set	
RR Flagging			LSUM		LSUM
Detour		1.0	LSUM	\$20,000.00/LSUM	\$20,000
RELATED ROAD/TRAFFIC CONSTRUCTION BUDGET					\$20,000
CONTINGENCY (10% - 20%) (use higher contingency for small projects)					
		20	%	\$143,000.00	\$29,000
MOBILIZATION (estimate at 10%)					
		10	%	\$172,000.00	\$17,000
INFLATION (assume 3% per year, beginning in 2021)					
		9	%	\$189,000.00	\$17,000
TOTAL CONSTRUCTION BUDGET					\$206,000

(Does not include PE or CE)

APPENDIX B

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11091

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
LEFORGE STREET	42.2557 / -83.6222	814747800081B04	Fair Condition(5)	
Feature	Length / Width / Spans	Owner		
HURON RIVER	218.8 / 72.2 / 3	City: YPSILANTI(7478)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
IN CITY OF YPSILANTI	1983 / / / 2009	Brighton(3)	P Posted for load(356569)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
University(6) / Washtenaw(81)	5 Prestressed Concrete / 05 Box Bm/Gird- Multiple	08/28/2019 / U1JP	5 Stable w/in footing	

NBI INSPECTION

U1JP

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Adam Rychwalski	Orchard, Hiltz & McCliment Inc	24	08/28/2019

GENERAL NOTES

Advanced warnings are in place.

Posted 35, 65, 69 tons.

Weight limit signs in place on both ends of bridge	YES
Weight limit shown on signs at bridge	356569
Required advance warning weight limit signs in place	YES
Weight limit shown on advance warning signs	356569

Frequency Justification Comments (required when Poor Condition and frequency is equal to 24 months)

No poor condition elements.

DECK

	05/17	05/19	08/19	
1. Surface (SIA-58A)	6	6	6	Diagonal cracks at corners. Longitudinal cracks between beams. Hairline surface map cracking throughout. Most cracking at south end and east half of center and north spans. Larger cracks in SB outside lane at south end south span. (08/19) Diagonal cracks at corners. Longitudinal cracks between beams. Hairline surface map cracking throughout. Most cracking at south end and east half of center and north spans. Larger cracks in SB outside lane at south end south span. (05/19) Diagonal cracks at corners. Longitudinal cracks between beams. Hairline surface map cracking throughout. Most cracking at south end and east half of center and north spans. (05/17)
2. Expansion Joints	7	6	6	Debris filled. Sidewalk cover plates are missing on west side joints and missing bolts on east side joints. (08/19) Debris filled. Sidewalk cover plates are missing on west side joints and missing bolts on east side joints. (05/19) Debris filled. (05/17)
3. Other Joints	4	4	4	South end joint completely unsealed up to 2" wide (08/19) South end joint completely unsealed up to 2" wide (05/19) South end joint completely unsealed up to 2" wide (05/17)
4. Railings	7	7	7	Galv. 3 tube rail and steel posts. Surface rust on rails and bolts. (08/19) Galv. 3 tube rail and steel posts. Surface rust on rails and bolts. (05/19) Surface rust on rails and bolts. (05/17)
5. Sidewalks or Curbs	7	7	7	Map cracking and longitudinal cracking over entire area. Larger longitudinal between beams. Cover plates are missing on west side joints and missing bolts on east side joints. (08/19) Map cracking and longitudinal cracking over entire area. Larger longitudinal between beams. Cover plates are missing on west side joints and missing bolts on east side joints. (05/19) Map cracking and longitudinal cracking over entire area. Larger longitudinal between beams. Cover plates are missing or missing bolts on west side S & N joints and on east side S & N joints. (05/17)
6. Deck Bottom Surface (SIA-58B)	N	N	N	Adjacent box beams (08/19) Adjacent box beams (05/19) Adjacent box beams (05/17)

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Feature	Length / Width / Spans	Owner		
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7. Deck (SIA-58) 6 6 6 No structural deck. Rating based on surface. (08/19)
 No structural deck. Rating based on surface. (05/19)
 No structural deck. Rating based on surface. (05/17)

8. Drainage No problems noted. (08/19)
 No problems noted. (05/19)
 No problems noted. (05/17)

SUPERSTRUCTURE

05/17 05/19 08/19

9. Stringer (SIA-59) 5 5 5 South span - There is a spall in bm 7W and bm 7E has a large crack located approx 1/3 beam width from the corner of the beam. Several beams have hairling longitudinal cracks. There area stalactites and leaching is very prevelant and occurs between nearly all the beams and at several of the weep hole locations in all spans. There are cracks on the fascia beam webs in all spans. Beam 8E has 2 separate areas of delamination approximately 10' long. Beam 11E has a spall from S 1/4 span to midspan with 2 broken strands. North span - Beam 7E north span spall from N 1/4 to midspan with 3 broken strands. Beams 6, 9, & 12 E have corner spalling (08/19)
 South span - There is a spall in bm 7W and bm 7E has a large crack located approx 1/3 beam width from the corner of the beam. Several beams have hairling longitudinal cracks. There area stalactites and leaching is very prevelant and occurs between nearly all the beams and at several of the weep hole locations in all spans. There are cracks on the fascia beam webs in all spans. Beam 8E has 2 separate areas of delamination approximately 10' long. Beam 11E has a spall from S 1/4 span to midspan with 2 broken strands. North span - Beam 7E north span spall from N 1/4 to midspan with 3 broken strands. Beams 6, 9, & 12 E have corner spalling (05/19)
 There is a spall in bm 7W and bm 7E has a large crack located approx 1/3 beam width from the corner of the beam. Several beams have hairling longitudinal cracks. There area stalactites and leaching is very prevelant and occurs between nearly all the beams and at several of the weep hole locations in all spans. There are cracks on the fascia beam webs in all spans. Beam 8E has 2 separate areas of delamination approximately 10' long. Beam 11E has a spall from S 1/4 span to midspan with 2 broken strands. Beam 7E north span spall from N 1/4 to midspan with 3 broken strands. Beams 6, 9, & 12 E have corner spalling (05/17)

10. Paint (SIA-59A) N N N (08/19)
 (05/19)
 (05/17)

11. Section Loss N 2 2 Broken strands in box beams. (08/19)
 Broken strands in box beams. (05/19)
 (05/17)

12. Bearings 7 7 7 No problems noted. (08/19)
 No problems noted. (05/19)
 No problems noted. (05/17)

SUBSTRUCTURE

05/17 05/19 08/19

13. Abutments (SIA-60) 6 6 6 A few vertical cracks. Delamination on south abutment under west 3 beams. Delamination under a few beams on north abutment (08/19)
 A few vertical cracks. Delamination on south abutment under west 3 beams. Delamination under a few beams on north abutment (05/19)
 A few vertical cracks. Delamination on south abutment under west 3 beams. Delamination under a few beams on north abutment (05/17)

14. Piers (SIA-60) 6 6 6 Solid wall piers. Spalling along waterline with pile and rebar exposed in several isolated locations. (08/19)
 Solid wall piers. High water during inspection in 2019. Spalling below waterline with plate or pile exposed noted in 2017. (05/19)
 Spalling below waterline with plate or pile exposed. (05/17)

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15. Slope Protection	7	N	N	(08/19) (05/19) Heavy riprap at both abutments. Heavy riprap along the piers. There is damage of the gabion baskets under the bridge in the NE & NW quads. (05/17)
16. Channel (SIA-61)	7	7	7	Good alignment. Heavy riprap at both abutments. Heavy riprap along the piers. There is damage of the gabion baskets under the bridge in the NE & NW quads. (08/19) Good alignment. Heavy riprap at both abutments. Heavy riprap along the piers. There is damage of the gabion baskets under the bridge in the NE & NW quads. (05/19) Good alignment. No signs of scour. (05/17)
17. Scour Inspection	7	7	7	Stable with heavy armoring in place. (08/19) Stable with heavy armoring in place. (05/19) Stable with heavy armoring in place (05/17)

APPROACH

	05/17	05/19	08/19	
18. Approach Pavement	5	5	5	Longitudinal cracks and transverse cracks in both approaches. South approach has several unsealed wide cracks and potholes. (08/19) Longitudinal cracks and transverse cracks in both approaches. South approach has several unsealed wide cracks and potholes. (05/19) Longitudinal cracks and transverse cracks in both approaches. South approach has several unsealed wide cracks and potholes. (05/17)
19. Approach Shoulders Sidewalks	7	7	7	Settlement at south reference line up to 1". North in good condition. (08/19) Settlement at south reference line up to 1". North in good condition. (05/19) Settlement at south reference line up to 1". North in good condition. (05/17)
20. Approach Slopes				No problems noted. (08/19) No problems noted. (05/19) No problems noted. (05/17)
21. Utilities				Dam upstream. OH over east fascia and crossing north reference line. Gas marker in SW quad. Gas valve box in SE and phone box in SW. Utility poles in the NE & SE. (08/19) Dam upstream. OH over east fascia and crossing north reference line. Gas marker in SW quad. Gas valve box in SE and phone box in SW. Utility poles in the NE & SE. (05/19) Dam upstream. OH over east fascia and crossing north reference line. Gas marker in SW quad. Gas valve box in SE and phone box in SW. Utility poles in the NE & SE. (05/17)
22. Drainage Culverts				48" CMP in NE quad. End 3-4' has been eroded under it. Problems not affecting the bridge. (08/19) 48" CMP in NE quad. End 3-4' has been eroded under it. Problems not affecting the bridge. (05/19) 48" CMP in NE quad. End 3-4' has been eroded under it. Problems not affecting the bridge. (05/17)

MISCELLANEOUS

Guard Rail		Other Items	
<u>Item</u>	<u>Rating</u>	<u>Item</u>	<u>Rating</u>
36A. Bridge Railings	0	71. Water Adequacy	8
36B. Transitions	1	72. Approach Alignment	8
36C. Approach Guardrail	1	Temporary Support	0 No Temporary Supports
36D. Approach Guardrail Ends	1	High Load Hit (M)	No
		Special Insp. Equipment	2
		Underwater Insp. Method	1
False Decking (Timber) Removed to Complete Inspection		N/A - No False Decking	
Critical Feature Inspections (SIA-92)			

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University(6) / Washtenaw(81)	5 Prestressed Concrete / 05 Box Bm/Gird- Multiple	08/28/2019 / U1JP	5 Stable w/in footing	

Freq

Date

92A. Fracture Critical

92B. Underwater

92C. Other Special

92D. Fatigue Sensitive

MICHIGAN DEPARTMENT OF TRANSPORTATION

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STRUCTURE INVENTORY AND APPRAISAL

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
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Bridge History, Type, Materials

27 - Year Built	1983
106 - Year Reconstructed	
202 - Year Painted	
203 - Year Overlay	2009
43 - Main Span Bridge Type	5 05
44 - Appr Span Bridge Type	
77 - Steel Type	0
78 - Paint Type	0
79 - Rail Type	4
80 - Post Type	0
107 - Deck Type	1
108A - Wearing Surface	3
108B - Membrane	0
108C - Deck Protection	0

Structure Dimensions

34 - Skew	14
35 - Struct Flared	0
45 - Num Main Spans	3
46 - Num Apprs Spans	0
48 - Max Span Length	72.8
49 - Structure Length	218.8
50A - Width Left Curb/SW	8.5
50B - Width Right Curb/SW	8.5
33 - Median	0
51 - Width Curb to Curb	52.2
52 - Width Out to Out	72.2
112 - NBIS Length	Y

Inspection Data

90 - Inspection Date	08/28/2019
91 - Inspection Freq	24
92A - Frac Crit Req/Freq	N
93A - Frac Crit Insp Date	
92B - Und Water Req/Freq	N
93B - Und Water Insp Date	
92C - Oth Spec Insp Req/Freq	N
93C - Oth Spec Insp Date	
92D - Fatigue Req/Freq	N
93D - Fatigue Insp Date	
176A - Und Water Insp Method	1
58 - Deck Rating	6
58A/B - Deck Surface/Bottom	6 N
59 - Superstructure Rating	5
59A - Paint Rating	N
60 - Substructure Rating	6
61 - Channel Rating	7
62 - Culvert Rating	N

Navigation Data

38 - Navigation Control	0
39 - Vertical Clearance	0
40 - Horizontal Clearance	0
111 - Pier Protection	
116 - Lift Brgd Vert Clear	

Route Carried By Structure(ON Record)

5A - Record Type	1
5B - Route Signing	5
5C - Level of Service	0
5D - Route Number	02006
5E - Direction Suffix	0
10L - Best 3m Unclr-Lt	0 0
10R - Best 3m Unclr-Rt	99 99
PR Number	
Control Section	
11 - Mile Point	0
12 - Base Highway Network	0
13 - LRS Route-Subroute	0000014358 09
19 - Detour Length	2
20 - Toll Facility	3
26 - Functional Class	17
28A - Lanes On	4
29 - ADT	8558
30 - Year of ADT	1997
32 - Appr Roadway Width	52.2
32A/B - Ap Pvt Type/Width	5 52
42A - Service Type On	1
47L - Left Horizontal Clear	0.0
47R - Right Horizontal Clear	69.2
53 - Min Vert Clr Ov Deck	99 99
100 - STRAHNET	0
102 - Traffic Direct	2
109 - Truck %	0
110 - Truck Network	0
114 - Future ADT	12400
115 - Year Future ADT	2010
Freeway	0

Structure Appraisal

36A - Bridge Railing	0
36B - Rail Transition	1
36C - Approach Rail	1
36D - Rail Termination	1
67 - Structure Evaluation	5
68 - Deck Geometry	4
69 - Underclearance	N
71 - Waterway Adequacy	8
72 - Approach Alignment	8
103 - Temporary Structure	
113 - Scour Criticality	5

Miscellaneous

37 - Historical Significance	5
98A - Border Bridge State	
98B - Border Bridge %	
101 - Parallel Structure	N
EPA ID	
Stay in Place Forms	
143 - Pin & Hanger Code	0
148 - No. of Pin & Hangers	0

Route Under Structure (UNDER Record)

5A - Record Type	
5B - Route Signing	
5C - Level of Service	
5D - Route Number	
5E - Direction Suffix	
10L - Best 3m Unclr-Lt	
10R - Best 3m Unclr-Rt	
PR Number	
Control Section	
11 - Mile Point	
12 - Base Highway Network	
13 - LRS Route-Subroute	
19 - Detour Length	
20 - Toll Facility	
26 - Functional Class	
28B - Lanes Under	
29 - ADT	
30 - Year of ADT	
42B - Service Type Under	5
47L - Left Horizontal Clear	
47R - Right Horizontal Clear	
54A - Left Feature	
54B - Left Underclearance	99 99
54C - Right Feature	
54D - Right Clearance	99 99
Under Clearance Year	0
55A - Reference Feature	N
55B - Right Horiz Clearance	99.9
56 - Left Horiz Clearance	0
100 - STRAHNET	
102 - Traffic Direct	
109 - Truck %	
110 - Truck Network	
114 - Future ADT	
115 - Year Future ADT	
Freeway	

Proposed Improvements

75 - Type of Work	
76 - Length of Improvement	
94 - Bridge Cost	
95 - Roadway Cost	
96 - Total Cost	
97 - Year of Cost Estimate	

Load Rating and Posting

31 - Design Load	6
41 - Open, Posted, Closed	P
63 - Fed Oper Rtg Method	1
64F - Fed Oper Rtg Load	53.5
64MA - Mich Oper Rtg Method	1
64MB - Mich Oper Rtg	65
64MC - Mich Oper Truck	18
65 - Inv Rtg Method	1
66 - Inventory Load	32.1
70 - Posting	3
141 - Posted Loading	356569
193 - Overload Class	N

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 11091

WORK RECOMMENDATIONS

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WORK RECOMMENDATIONS

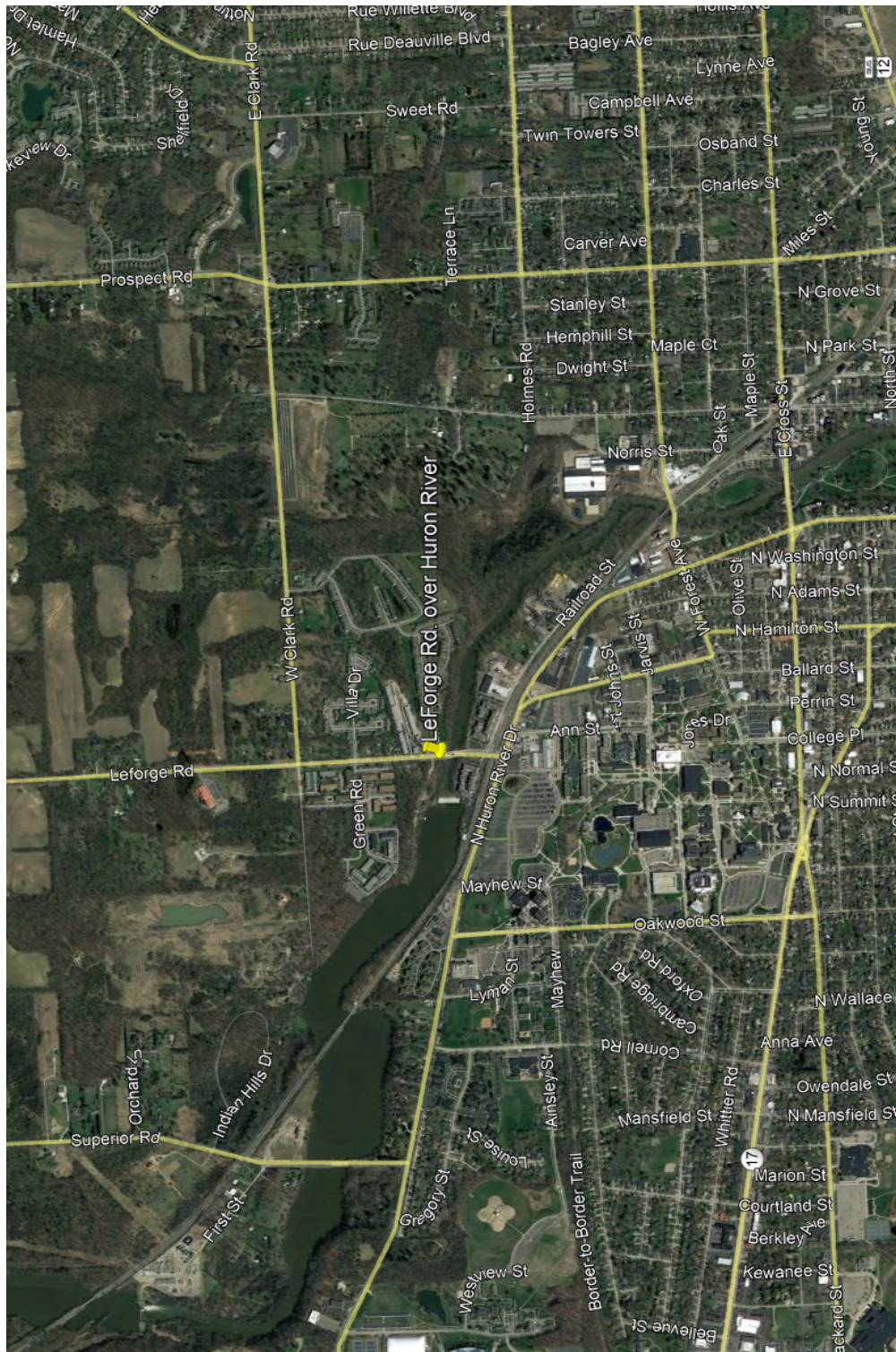
U1JP

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Adam Rychwalski	Orchard, Hiltz & McCliment Inc	24	08/28/2019

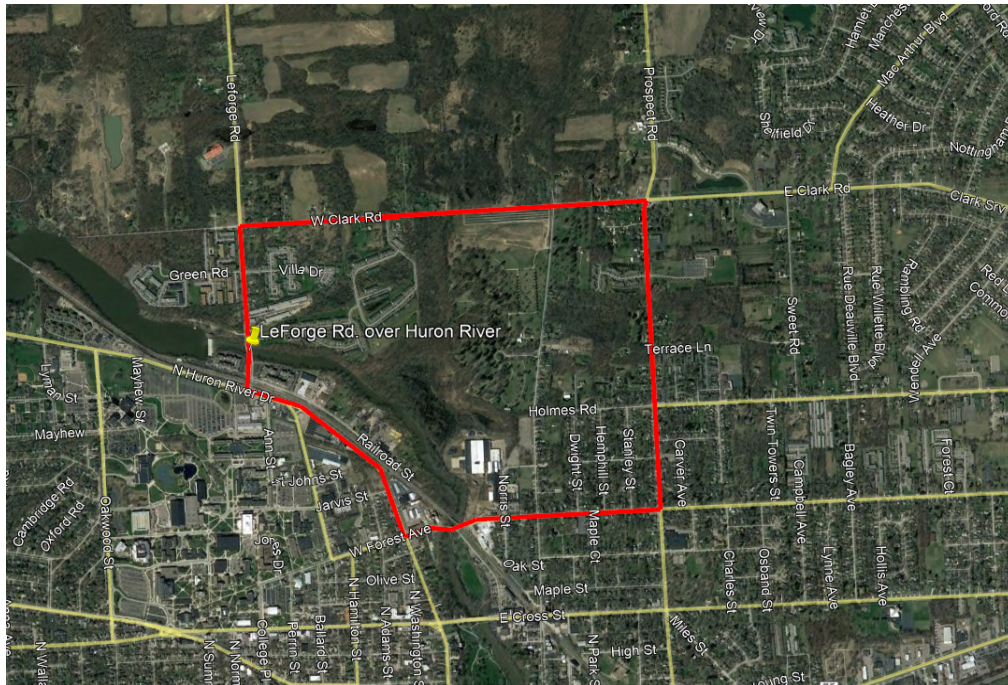
RECOMMENDATIONS & ACTION ITEMS

Recommendation Type	Priority	Description
Approach Repair	M	Replace approach pavement
Joint Repair	M	reseal end joints
Shallow Overlay	H	Epoxy overlay
Super Repair	L	blast and seal delaminated beams underneath
Substr Repair	M	Patch abutments

2a. Situation Map



2b. Detour Map



Leforge Rd. to W. Clark Rd.
W. Clark Rd. to Prospect Rd.
Prospect Rd. to W. Forest Ave.
W. Forest Ave. to N. Huron River Dr.
N. Huron River Dr. to Leforge Rd.

Detour Length: 3.5 Miles

3. Photographs



Reference Line South



Surface



Surface Condition



Stringers



Pier Condition



Sidewalk

4. Application Requirements for Leforge Rd. over the Huron River

A. Local Agency Contact Person

Stan Kirton
Director of Public Services
(734) 483-1421

B. The purpose of this application is for the preventative maintenance of the bridge carrying Leforge Rd. over the Huron River. Funding requested for substructure patching, epoxy overlay and approach work.

C. Economic Importance of the Structure

This structure is located approximately 1.95 miles north of I-94 and 3.14 miles east of US-23 in Ypsilanti, MI and serves over 124,000 vehicles per day and currently has a posted load limit. The area surrounding the structure, is residential and agricultural. Leforge Road is a north-south road. Leforge Road is one of the few locations to cross the Huron River on the north side of Ypsilanti, and is one of the only north-south roads after crossing the river. The next closest bridge to cross the Huron River is 0.7 mi to the southeast.

This structure lies between Superior Rd., a north-south road, and Forest Ave, an east-west road, when following the path of the river. Leforge Road provides access from a predominantly residential portion of Ypsilanti to the agricultural land to the north. It is one of three north-south bridges that cross the Huron River between US-23 and I-94. Eastern Michigan University is directly to the south of this structure on Huron Dr. The athletic stadiums for Eastern Michigan are also located on Huron drive and are only 1.3 miles to the east of the structure. Just past the stadiums, at the North Hewitt Rd intersection, Huron Drive turns into Clark Road. St. Joseph Mercy Hospital is located in the northwest quadrant of this intersection, 1.5 miles from the structure. Washtenaw Community College is located directly to the west of the hospital. Due to the limited number roads that cross the Huron River, this is an important route for Emergency vehicles to access locations north of the Huron River, as well as an important route during sporting events. Closing any of the crossings will increase traffic at the other bridges and cause delays.

The City is working hard to manage their assets, to ensure they can provide the right fixes at the right time, which ultimately saves money for not only the county but the tax payers in general. By doing preventative maintenance on this structure now it will be an economic repair that will extend the life of the structure for several years and prevent more costly repairs.

The existing bridge is a side by side prestressed concrete box beam and is currently in fair condition. The deck is currently in good condition with hairline cracking across the deck surface. There is prevalent leaching and stalactites between nearly all of the beams and at multiple weep locations.

There are cracks on the fascia beams on all of the spans, and hairline longitudinal cracks on several beams. Spalling had occurred at six beam locations at the time of inspection. Two of those locations also have broken prestressed strands. If left alone the leaching will likely continue to deteriorate the substructure causing more spalls and broken strands. To increase the life of the structure, it would be beneficial to patch the existing damage to the substructure, apply an epoxy overlay to the deck and perform approach work to reduce the amount of water getting into the bridge substructure.

Often preventative maintenance work is small in nature and bid prices are higher than average. Combining multiple bridges, with the same or similar fixes, in the same general area can help reduce bid prices slightly. The structures at Leforge St, and Factory/Spring St. both require preventative maintenance and are within 1.7 miles of each other making them perfect candidates to group together.

D. If there is a current detour, what does it affect?

Currently the bridge is open to traffic and there is no detour.

E. If the structure were to be closed, what would the detour affect?

If the structure were to be closed, the detour would affect the residents in the area. Leforge is one of the few roads crossing the Huron River in the area and closing it will increase volumes of traffic on the surrounding roadways. Emergency vehicles will see delays on account of rerouting and the school system that serves Ypsilanti, with its already tight budget, will have cost increases because of the need to reroute its busses.

F. The structure is not currently closed.

G. Maintenance of the Structure

The deck surface was replaced with new concrete in 2008.

5. Estimated Rehabilitation Costs

Epoxy Overlay

A.	Approach Construction	\$ 78,000.00
B.	Structure Construction	\$ 180,000.00
Total (A & B)		\$ 258,000.00

For a breakdown of Construction costs, see Appendix A.

6. Priority List

1. Forest Street over Huron River
2. **Multiple PM**
 1. **Leforge Street over Huron River**
 2. **Factory Street over Huron River**

7. Resolution

The resolution is attached in Appendix B.

8. Previous Applications

It is understood that all previous applications have been discarded and that this application will be used to select funding.

APPENDIX A

2020

LAP - BRIDGE COST ESTIMATE WORKSHEET

REV. 2/1/2020

OWNER: YPSILANTI

REGION: University

TSC: Brighton

FISCAL YEAR: 2023

PR: #N/A

MP: #N/A

LENGTH 218.8

Out to Out WIDTH 72.2

Curb to Curb WIDTH 52.2

DATE: 3/23/2020

ENGINEER: KSO

STRUCTURE ID: 11091

BRIDGE ID: N/A

LOCATION: LEFORGE STREET over HURON RIVER

PRIMARY WORK ACTIVITY Overlay - Epoxy

OTHER WORK: Substructure Patching

DECK AREA: 15,797 SFT

CLEAR ROADWAY: 11,421 SFT

STR. TYPE: Prestressed Concrete Box Beam or Girders - Mu

WORK ACTIVITY	Michigan Bridge Design Manual	QUANTITY	UNIT	UNIT COST	TOTAL
NEW BRIDGE (increase deck area based on design standards and hydraulic requirements)					
Single or Multiple Spans, Grade Separation	(add demo, approach, MOT)		SFT	\$220.00/SFT	
Single Span, Over Water	Length < 100ft (add demo, approach, MOT)		SFT	\$350.00/SFT	
Multiple Spans, Over Water	Length > 100ft (add demo, approach, MOT)		SFT	\$220.00/SFT	
Precast Culvert	Length < 40ft (add demo, approach, MOT)		SFT	\$350.00/SFT	
NEW SUPERSTRUCTURE					
New Superstructure, Grade Separation	(incl. remove exist deck/super; add MOT & approach)		SFT	\$170.00/SFT	
New Superstructure, Over Water	(incl. remove exist deck/super; add MOT & approach)		SFT	\$200.00/SFT	
WIDENING					
Structure Widening, _____ ft	(incl. deck/super/sub widening, add approach transition)		SFT	\$270.00/SFT	
NEW DECK					
New Bridge Deck & Barrier	(incl. remove exist deck/railing, add approach, MOT)		SFT	\$75.00/SFT	
DEMOLITION					
Entire Structure, Grade Separation			SFT	\$33.00/SFT	
Entire Structure, Over Water			SFT	\$46.00/SFT	
DECK REPAIR / TREATMENTS					
Bridge Railing Replacement	(incl. removal and replacement)		FT	\$400.00/FT	
Concrete Brush Block / Curb Patch	(incl. hand chipping and formwork)	16.0	FT	\$24.00/FT	\$384
Concrete Barrier Patch	(incl. hand chipping and formwork)		SFT	\$45.00/SFT	
Concrete Deck Patch	(incl. hand chipping)	874.0	SFT	\$30.00/SFT	\$26,220
Deep Overlay	(incl. joint repl & hydro)		SFT	\$33.00/SFT	
Epoxy Overlay	(incl. warranty)	1,269.0	SYD	\$30.00/SYD	\$38,071
Expansion Joint Gland Replacement	(remove and replace elastomeric gland)		FT	\$85.00/FT	
Expansion Joint Replacement	(incl. removal)		FT	\$600.00/FT	
Full Depth Patch			SFT	\$76.00/SFT	
Healer / Sealer	(penetrates cracks in bridge deck)		SYD	\$15.00/SYD	
HMA Overlay with WP membrane			SYD	\$53.00/SYD	
Overlay Removal	(Epoxy: \$8/syd Latex: \$16/syd HMA: \$7/syd)		SYD	\$16.00/SYD	
Reseal Bridge Joints			FT	\$16.00/FT	
Shallow Overlay	(incl. joint repl & hydro)		SFT	\$22.00/SFT	
SUPERSTRUCTURE REPAIR					
Bearing Realignment / Replacement	(incl. temporary supports)		EA	\$5,000.00/EA	
Heat Straightening	(incl. clean and coat)		EA	\$50,000.00/EA	
Pack Rust Repair	(greater than 3/8" separation)		FT	\$500.00/FT	
Paint - Complete	(incl. clean & coat)		SFT	\$20.00/SFT	
Paint - Partial / Spot / Zone	(incl. clean & coat - \$20k minimum)		SFT	\$40.00/SFT	
PCI Beam End Blockout	(incl. temporary supports)		EA	\$7,200.00/EA	
Pin & Hanger Replacement	(incl. temporary supports)		EA	\$8,000.00/EA	
Structural Steel Repair	(based on 6ft length; for stiffeners use \$1,200 ea)		EA	\$3,000.00/EA	
SUBSTRUCTURE REPAIR					
Substructure Patching	(measured x 2) replace if repair area > 30%	200.0	CFT	\$300.00/CFT	\$60,000
Substructure Replacement	(incl. temporary supports, excavation)		CFT	\$180.00/CFT	
Substructure Horizontal Surface Sealer			SYD	\$40.00/SYD	
Temporary Supports	(add \$1,200 for ea steel beam - stiffeners)		EA	\$2,500.00/EA	
MISCELLANEOUS					
Articulating Concrete Block System (ACB)			SYD	\$150.00/SYD	
Concrete Surface Coating			SYD	\$28.00/SYD	
Culvert Cleanout			FT	\$30.00/FT	
Epoxy Crack Injection	(structural crack repair)		FT	\$50.00/FT	
Metal Mesh Panels	(48" width, max 6'-6" length)		SFT	\$20.00/SFT	
Pressure Relief Joint	(use when approach concrete roadway exceeds 1,000ft)		FT	\$100.00/FT	
Riprap	(assume 10ft distance around perimeter of substructure)		SYD	\$175.00/SYD	
Silane Treatment	(penetrating sealer for concrete surfaces)		SFT	\$4.50/SFT	
Slope Protection Repairs			SYD	\$100.00/SYD	
Other					
STRUCTURE CONSTRUCTION BUDGET					\$124,675
ROAD WORK					
Approach Pavement, 12" RC	(incl. removal; add curb, gutter, guardrail) 20' ea. end		SYD	\$175.00/SYD	
Approach Curb & Gutter	(incl. removal) 20' ea. quadrant		FT	\$56.00/FT	
Guardrail Anchorage to Bridge	(each quadrant)		EA	\$1,600.00/EA	
Guardrail	(incl. removal) < 200ft beyond reference line		FT	\$28.00/FT	
Guardrail Terminal	(each quadrant)		EA	\$2,300.00/EA	
Roadway Approach Work	(beyond approach pavement)		LSUM	LSUM	
Sidewalk Remove and Replace		240.0	SFT	\$9.00/SFT	\$2,160
HMA Approach Replace		2,080.0	SFT	\$13.00/SFT	\$27,040
Utilities			LSUM	LSUM	
TRAFFIC CONTROL Unit Cost to be determined by Region or TSC Traffic & Safety					
Part Width Construction			LSUM	LSUM	
Crossovers			EA	\$300,000.00/EA	
Temporary Traffic Signals			set	\$25,000.00/set	
RR Flagging			LSUM	LSUM	
Detour		1.0	LSUM	\$25,000.00/LSUM	\$25,000
RELATED ROAD/TRAFFIC CONSTRUCTION BUDGET					\$54,200
CONTINGENCY (10% - 20%) (use higher contingency for small projects)					
MOBILIZATION (estimate at 10%)					
INFLATION (assume 3% per year, beginning in 2021)					
TOTAL CONSTRUCTION BUDGET					\$258,000

(Does not include PE or CE)

APPENDIX B



ARCHITECTS. ENGINEERS. PLANNERS.

March 20, 2018

Stan Kirton
Director of Public Works
City of Ypsilanti
One South Huron Street
Ypsilanti, MI 48197

RE: 2018 Local Bridge Program Applications

Dear Mr. Kirton:

OHM Advisors understands that the City of Ypsilanti would like to apply for funding for the replacement of Cross Street over the Huron River, multiple preventative maintenance project of Leforge Street and Factory Street over the Huron River, and preventative maintenance of Forest Avenue over the Huron River through the Local Bridge Program. OHM proposes to provide our professional services to prepare these applications for the 2018 Local Bridge Program Call for Projects. The Local Bridge Program funding is 95% State funds and 5% Local match funds. Projects selected in 2018 are for construction in 2021. Below is a summary of the general scope of work:

Bridge	Preliminary Scope of Work	Preliminary Estimated Construction Cost	Estimated 5% Local Match (City Responsibility)	Estimated PE/CE (City responsibility)
Cross Street	Replacement	\$6,334,000	\$316,700	\$1,580,000
Leforge Street	Deck patching Epoxy overlay Substructure patching Approach work	\$217,000	\$10,850	\$55,000
Factory Street	Sidewalk patching Joint and crack sealing	\$41,000	\$2,050	\$10,000
Forest Avenue	Deck patching Epoxy overlay Substructure patching with temporary supports Slope protection repair Approach work	\$1,225,000	\$61,250	\$306,000

SCOPE OF SERVICE

OHM Advisors will prepare the application of the structure mentioned above as required by the Local Bridge Program 2018 Call for Projects. We will visit the site to assess the most up to date condition and note any changes from the last inspection cycle. We will then prepare the application documents and cost estimates for City review. Once the City has reviewed the applications and provided Council resolution, OHM will submit the application to the MDOT Local Bridge Program staff.

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150

T 734.522.6711
F 734.522.6427

OHM-Advisors.com



ARCHITECTS. ENGINEERS. PLANNERS.

October 10, 2019

Ron Akers
Public Services Director
City of Ypsilanti
One South Huron Street
Ypsilanti, MI 48197

RE: 2019 Biennial Inspections Update

Dear Mr. Akers:

We have completed the inspections and submitted the necessary paperwork to MDOT as part of the biannual bridge inspection program. The inspection reports need to be filed in your bridge files. No hard copies are required as long as the digital files are available for review.

The inspection findings and recommended repairs for each of the structures are summarized below. Cross Street, Forest Ave, and Prospect Street have deteriorated to the point that we have moved them to a 12 month inspection cycle. This means that the new inspection for these three bridges is in August 2020. The remainder of the City owned structures are on a 24 month inspection and will not need to be completed until August 2021.

Load posting lead in signs need to be placed at the following locations as soon as possible:

Prospect Rd Bridge - R 12-5 (WEIGHT LIMIT 35T, 38T, 52T) (ON BRIDGE AHEAD)

1. Northeast corner of Michigan Ave and Prospect St. for northbound traffic.
2. Southwest corner of bridge within 50' from bridge end (this will look like there are signs one right after another as they will only be about 75'-125' apart).

Cross Street Bridge - R 12-5 (WEIGHT LIMIT 42T, 67T, 74T) (ON BRIDGE AHEAD)

1. Southeast corner of N Huron St and E Cross St. for eastbound traffic.
2. Northwest corner of E Cross St and N River St for westbound traffic.

Leforge Street Bridge - R 12-5 (WEIGHT LIMIT 35T, 65T, 69T) (ON BRIDGE AHEAD)

1. Northeast corner of N Huron River Dr and Leforge Rd. for northbound traffic.
2. Southwest corner of W Clark Rd and Leforge Rd for southbound traffic.

Repair Summary:

Prospect Street

1. A few of the expansion joint cover plates are missing on the bridge sidewalks.
2. Seal cracks in HMA surface to keep water from penetrating the structure.
3. Plan for a superstructure replacement in the future.

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150

T 734.522.6711
F 734.522.6427

OHM-Advisors.com



Forest Avenue

1. Substructure Repair. The top of the pier cap is heavily spalled causing undermining of the southwest fascia beam. This is a serious issue and should be corrected soon. Due to the undermining the load has been redistributed to the nearest diaphragm causing it to crack and weaken. In addition, there are also several cracks and spalls under the bearings of other beams. These repairs may require that the beams be temporarily supported during construction.
2. Deck Repair. Concrete overlay of deck surface.
3. Reseal the end joints.
4. Repair Slope Paving. The slope paving is undermined and cracked along the west abutment.
5. Repair Erosion. The channel is eroded in the southeast quadrant near the abutment.

We recommend applying for funding for this structure in the spring of 2020 for 2024 construction. If deterioration at the pier continues, the bridge may need to be load posted or closed. The sooner this work is scheduled, the less likely this will need to happen. If money is approved for 2024 construction the City could potentially move this up to an earlier year by working the MDOT.

Cross Street

1. The existing beams have deteriorated and will need to be monitored regularly for further deterioration that may affect the load posting.
2. Patch deck and beams and apply HMA Overlay. This bridge was constructed similar to the Leforge bridge and so it is assumed that spalling in the deck surface may extend down into the beams as was the case on Leforge. There is currently steel reinforcement exposed. Although an HMA overlay may further reduce the posted load, it will help to help protect the bridge until funding can be secured for replacement. With the deterioration of the substructure and skew of the existing piers a full replacement is recommended in lieu of a superstructure replacement.
3. Seal Beam. The fascia beams have several cracks in the beam web. Sealing the cracks with an epoxy will delay further deterioration.

It is recommended that the City consider replacing this structure in the near future. The City should consider planning to have match money for this project in the 2024-2026 timeframe.

Factory Street

1. Seal cracks in HMA pavement on the bridge and on the approaches.
2. Chip and patch sidewalks.

It is recommended that the City patch and seal cracks under the next crack sealing contract. The sidewalk repairs can be performed as part of a sidewalk program with a bridge subcontractor.

Leforge Street

1. Replace approach pavement.
2. Seal end joints.
3. Seal deck with epoxy overlay.



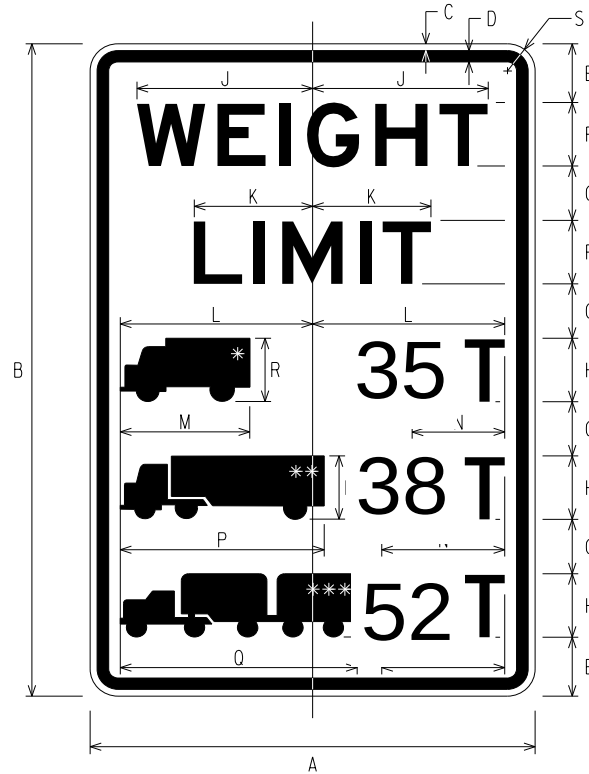
If you have any questions or would like additional information feel free to give me a call.

Sincerely,
OHM Advisors


Adam Rych
Project Engineer

Encl: Signs and locations
cc: Rachel Jackson, OHM; Kent Early OHM

ADVANCED WARNING SIGNS FOR PROSPECT STREET



R12-5
WEIGHT LIMIT

DIMENSIONS (INCHES)																
A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
24	36	.375	.625	3.25	3.5 E	3	3.5 D	9.465	6.403	10.375	7	VAR	11	12.813	3.5	1.5
30	42	.5	.75	3.75	4.5 E	3	4.5 D	12.016	8.192	13.188	9	VAR	13.438	16.438	4.5	1.875
36	48	.625	.875	5	5 E	3.25	5 D	13.350	9.099	15	10	VAR	15.438	18.375	5	2.25
48	60	.75	1.25	6	6 E	4.5	6 D	16.02	10.918	19	12	VAR	19.688	22	6	3

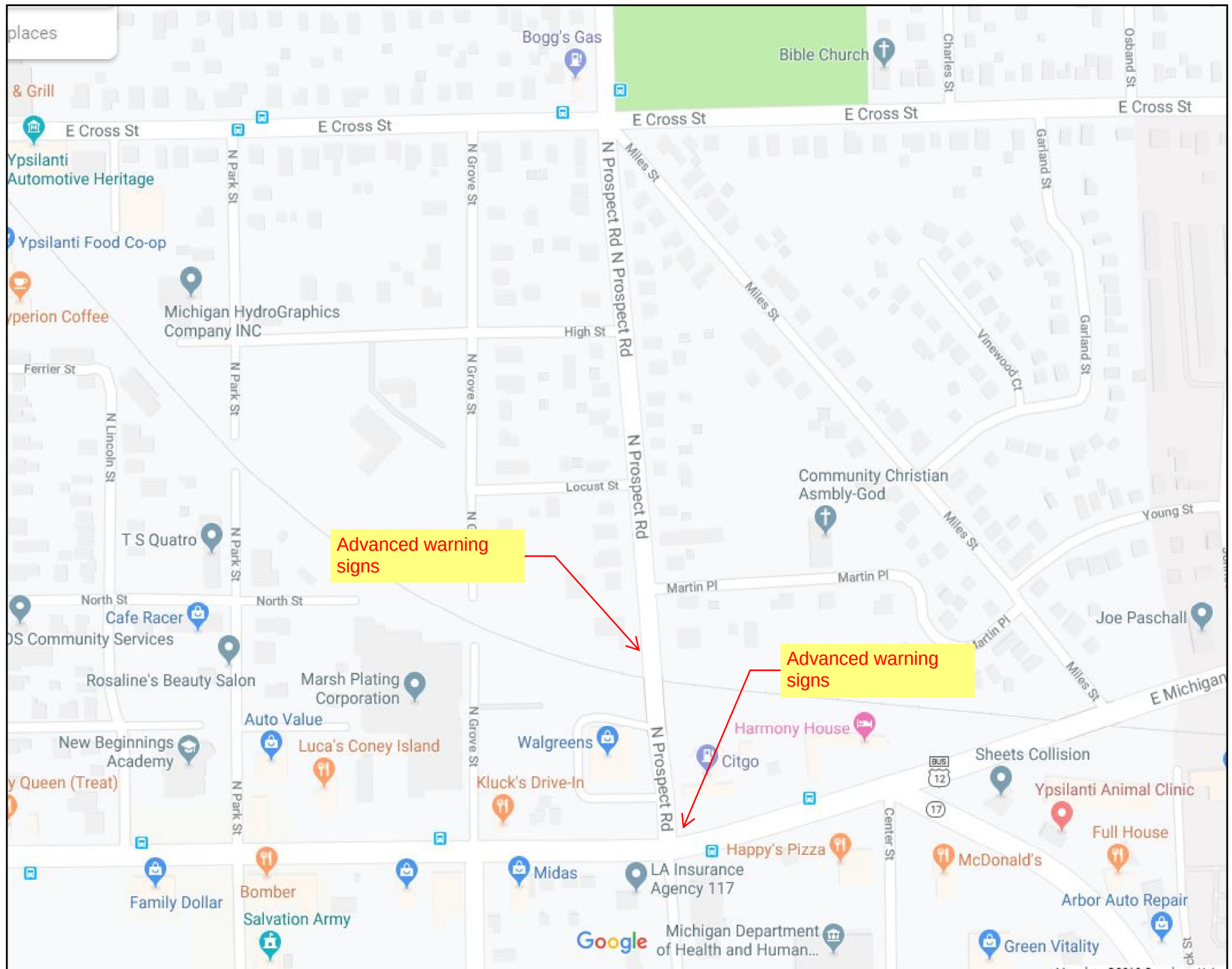
COLORS

LEGEND AND BORDER - BLACK (NON-REFL.)
BACKGROUND - WHITE (REFL.)

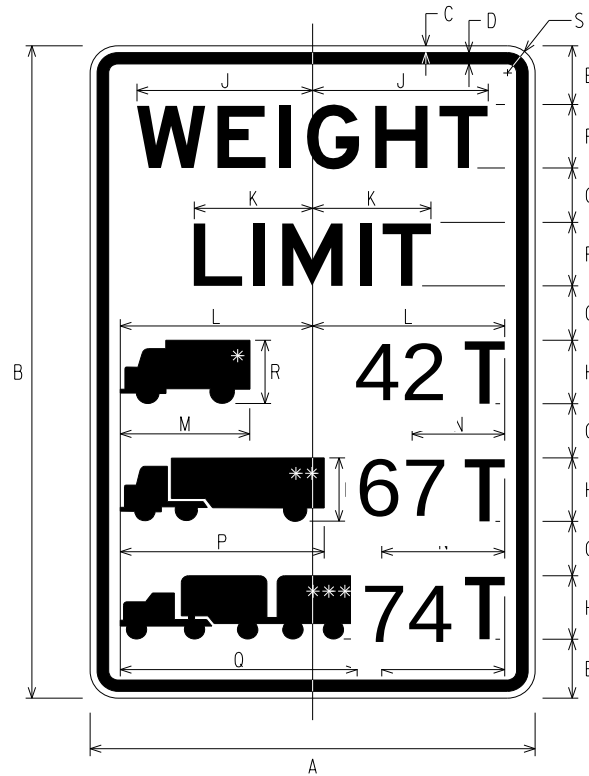
* SEE APPENDIX PAGE 6-4 FOR SYMBOL DESIGN

** SEE APPENDIX PAGE 6-5 FOR SYMBOL DESIGN

*** SEE APPENDIX PAGE 6-6.1 FOR SYMBOL DESIGN



ADVANCED WARNING SIGNS FOR CROSS STREET



R12-5
WEIGHT LIMIT

DIMENSIONS (INCHES)																
A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
24	36	.375	.625	3.25	3.5 E	3	3.5 D	9.465	6.403	10.375	7	VAR	11	12.813	3.5	1.5
30	42	.5	.75	3.75	4.5 E	3	4.5 D	12.016	8.192	13.188	9	VAR	13.438	16.438	4.5	1.875
36	48	.625	.875	5	5 E	3.25	5 D	13.350	9.099	15	10	VAR	15.438	18.375	5	2.25
48	60	.75	1.25	6	6 E	4.5	6 D	16.02	10.918	19	12	VAR	19.688	22	6	3

COLORS

LEGEND AND BORDER - BLACK (NON-REFL.)
BACKGROUND - WHITE (REFL.)

* SEE APPENDIX PAGE 6-4 FOR SYMBOL DESIGN

** SEE APPENDIX PAGE 6-5 FOR SYMBOL DESIGN

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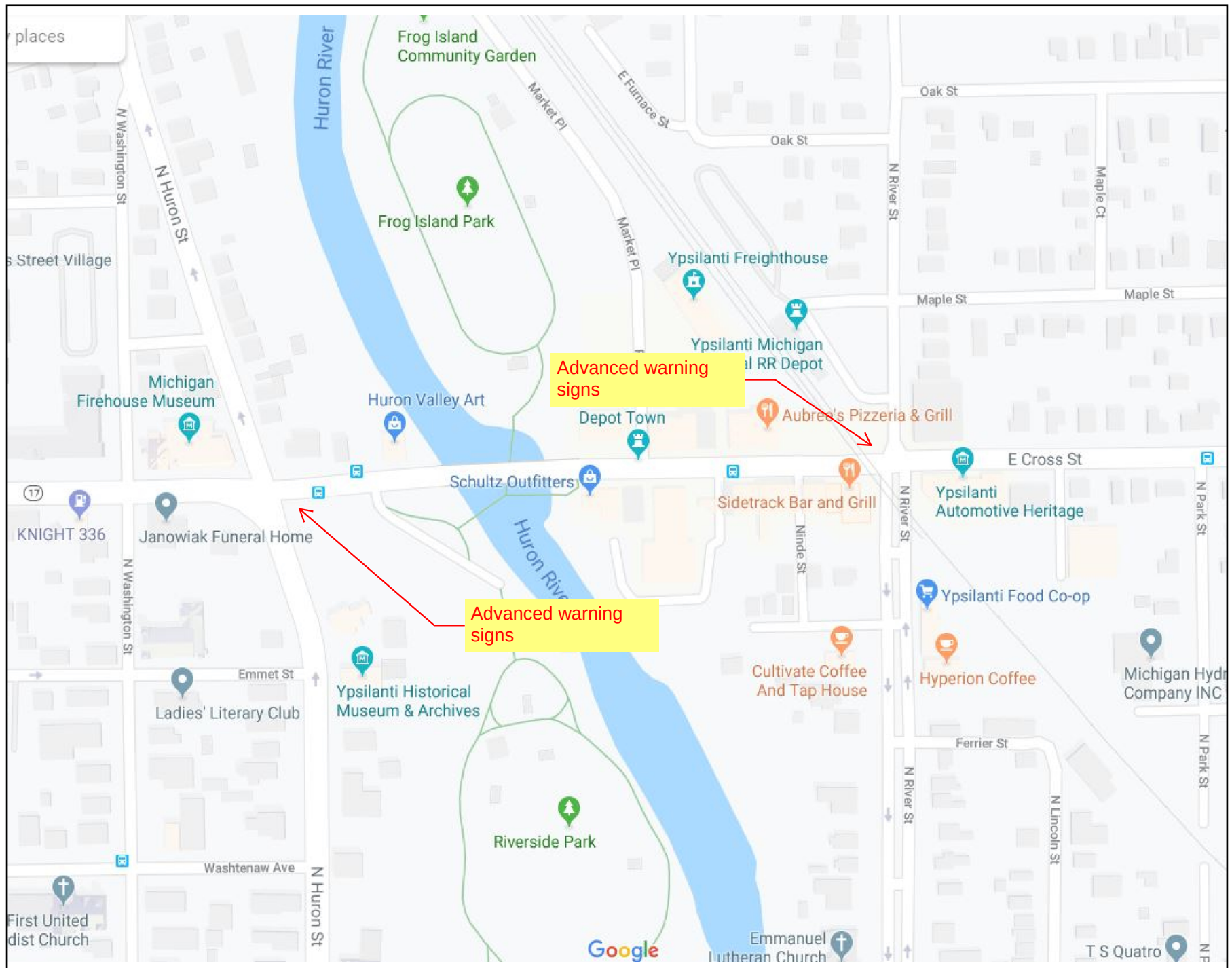


Reference Documents\Traffic Reference\Typicals\Develop\Sign_StdHwySigns_R\12-5.dgn

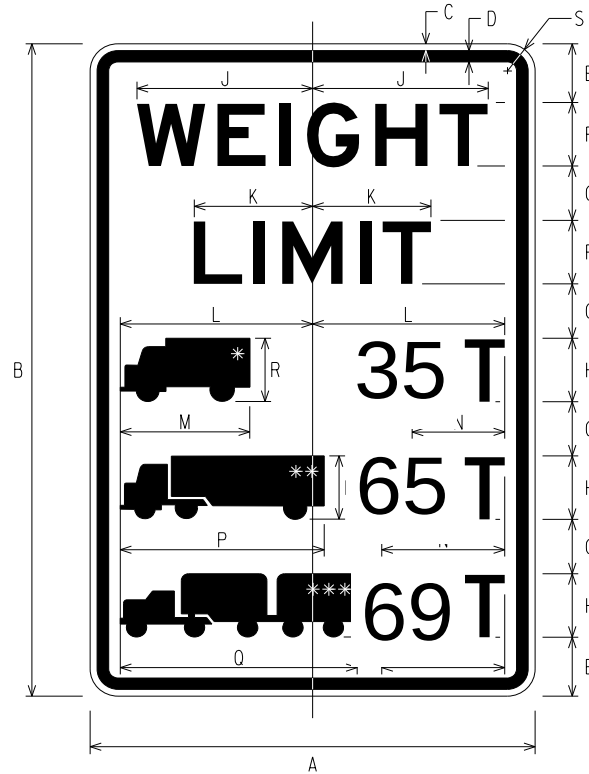
REVISION DATE: 2/21/2018 NM

DRAWN BY: NM

CHECKED BY: MN



ADVANCED WARNING SIGNS FOR LEFORGE STREET



R12-5
WEIGHT LIMIT

DIMENSIONS (INCHES)																
A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
24	36	.375	.625	3.25	3.5 E	3	3.5 D	9.465	6.403	10.375	7	VAR	11	12.813	3.5	1.5
30	42	.5	.75	3.75	4.5 E	3	4.5 D	12.016	8.192	13.188	9	VAR	13.438	16.438	4.5	1.875
36	48	.625	.875	5	5 E	3.25	5 D	13.350	9.099	15	10	VAR	15.438	18.375	5	2.25
48	60	.75	1.25	6	6 E	4.5	6 D	16.02	10.918	19	12	VAR	19.688	22	6	3

COLORS

LEGEND AND BORDER - BLACK (NON-REFL.)
BACKGROUND - WHITE (REFL.)

* SEE APPENDIX PAGE 6-4 FOR SYMBOL DESIGN

** SEE APPENDIX PAGE 6-5 FOR SYMBOL DESIGN

*** SEE APPENDIX PAGE 6-6.1 FOR SYMBOL DESIGN

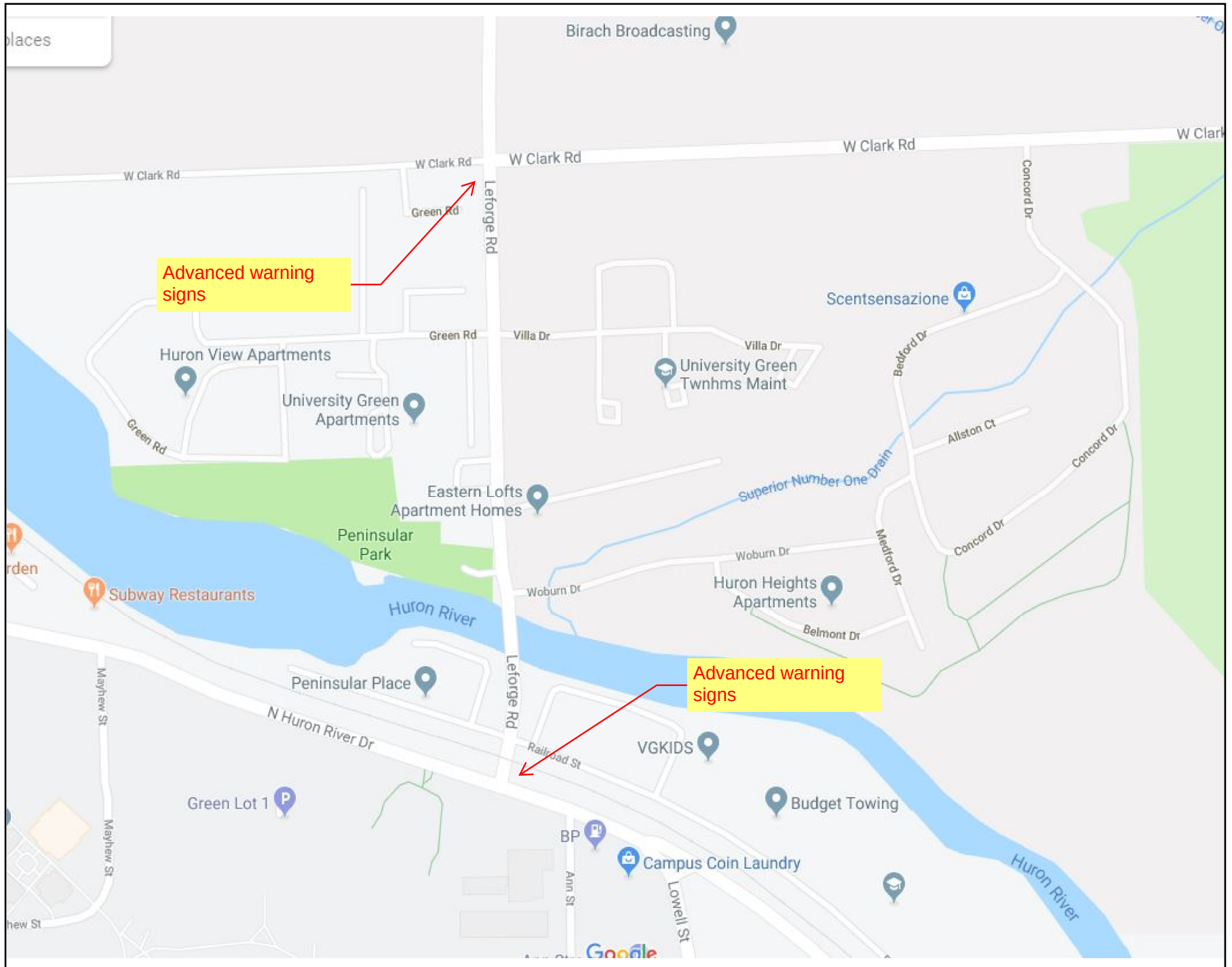


Reference Documents\Traffic Reference\Typicals\Develop\Sign_StdHwySigns_R\12-5.dgn

REVISION DATE: 2/21/2018 NM

DRAWN BY: NM

CHECKED BY: MN





REQUEST FOR LEGISLATION

TO: Mayor and City Council
FROM: Andrew Hellenga
DATE: April 7, 2020
SUBJECT: charter Amendments

DESCRIPTION:
charter Amendments

SUMMARY:

During the February 4, 2020 Council Meeting Council approved a resolution directing the City Attorney and City Clerk to develop ballot language for two Charter Amendments to submit to the electors during the August 4, 2020 Primary Election.

Both proposed amendments will extend the power of nominations of board and commissioners to Mayor or two Council Members.

The City Attorney has reviewed and approved the language for both proposed amendments.

CITY MANAGER APPROVAL: _____ COUNCIL AGENDA DATE: _____

CITY MANAGER COMMENTS: _____

FISCAL SERVICES DIRECTOR APPROVAL: _____



Resolution No. 2020-077
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, Section 21(1) of the Home Rule City Act (HRCA), MCL 117.21(1), authorizes a city council to adopt a resolution proposing to amend the city charter by a three-fifths vote of its members-elect, and the resolution proposing to amend the city charter must set forth the exact wording of the proposed amendment to be submitted to the city voters for approval at a regular or special election, and;

WHEREAS, The resolution must set forth the ballot language for the proposed charter amendment—with each proposal being limited to a single subject, and if the subject of a proposal includes more than one related proposition, each proposition shall be separately stated as a ballot proposal to afford an opportunity for a separate vote of the city voters for or against each proposition, and

WHEREAS, Section 21(2) of the HRCA, MCL 117.21(2), requires that the ballot language for the submission to the city voters of each proposed amendment shall be limited to 100 words, exclusive of caption, shall be a true and impartial statement of the purpose of the amendment, and shall not create prejudice for or against the proposed amendment,

NOW THEREFORE BE IT RESOLVED that Article IX, Section 9.01 (c) of the Ypsilanti City Charter shall be amended as follows:

The Board shall consist of five distinguished citizens nominated by the Mayor or two city Council Members and approved by the Council.

The current charter section(s) being altered by this amendment provides as follows:

9.01 (c). Board of Ethics.

The Board shall consist of five distinguished citizens nominated by the Mayor and approved by the Council.

BE IT FURTHER RESOLVED that the ballot language for the proposed amendment shall be as follows:

#Resolution No. 2020-077



RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

WHEREAS, Section 21(1) of the Home Rule City Act (HRCA), MCL 117.21(1), authorizes a city council to adopt a resolution proposing to amend the city charter by a three-fifths vote of its members-elect, and the resolution proposing to amend the city charter must set forth the exact wording of the proposed amendment to be submitted to the city voters for approval at a regular or special election, and;

WHEREAS, The resolution must set forth the ballot language for the proposed charter amendment—with each proposal being limited to a single subject, and if the subject of a proposal includes more than one related proposition, each proposition shall be separately stated as a ballot proposal to afford an opportunity for a separate vote of the city voters for or against each proposition, and

WHEREAS, Section 21(2) of the HRCA, MCL 117.21(2), requires that the ballot language for the submission to the city voters of each proposed amendment shall be limited to 100 words, exclusive of caption, shall be a true and impartial statement of the purpose of the amendment, and shall not create prejudice for or against the proposed amendment,

NOW THEREFORE BE IT RESOLVED that Article IX, Section 9.03 of the Ypsilanti City Charter shall be amended as follows:

All members of the City boards and commissions established under this Charter, by statute or otherwise, may be nominated for office by the Mayor, or by two Council Members, subject to the approval and confirmation by a majority vote of the City Council.

The current charter section(s) being altered by this amendment provides as follows:

9.03. Boards

All members of the City boards and commissions established under this Charter, by statute or otherwise, shall be appointed by the mayor, shall be appointed by the Mayor, subject to the approval and confirmation by a majority vote of the City Council.

BE IT FURTHER RESOLVED that the ballot language for the proposed amendment shall be as follows:

Shall Article IX, Section 9.03 of the Ypsilanti City Charter be amended to provide that nomination power to all boards and commissions be expanded to the Mayor or two Council Members?

Yes ____ No ____

BE IT FURTHER RESOLVED that the City Clerk shall transmit a certified copy of this resolution to the Governor of the State of Michigan for approval of the proposed amendment (MCL 117.22) and transmit a certified copy of this resolution to the Attorney General of the State of Michigan for approval of the proposed ballot language for the proposed amendment (MCL 117.21).

BE IT FURTHER RESOLVED that the proposed amendment shall be submitted to the qualified electors of the City of Ypsilanti at the primary election to be held in the City on August 4, 2020, and the City Clerk is directed to give notice of the election and notice of registration in a manner prescribed by law and to do all things and to provide all supplies necessary to submit the Charter amendment to a vote of the electors as required by law.

BE IT FURTHER RESOLVED that the proposed charter amendment shall be published in full, together with the existing charter provision amended as required by law.

BE IT FURTHER RESOLVED that this proposed charter amendment must be posted, in full, in a conspicuous place in each polling location.

OFFERED BY: _____

SECONDED BY: _____

YES:

NO:

ABSENT:

VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this day of

#Resolution No. 2020-078



Resolution No. 2020-079
April 7, 2020

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

That the City Council Meeting be adjourned, on call, by the Mayor or three (3) members of Council.

OFFERED BY: _____

SECONDED BY: _____

YES: NO: ABSENT: VOTE:

This resolution is adopted by the Council of the City of Ypsilanti and approved by the Mayor this
7 day of April 2020

#Resolution No. 2020-079