

Mayor Jim Schwartz
Council Member Scott Wolfersberger
Council Member Joe Caron
Council Member Jacob Gates



Council Member Theresa Chaney-Huggett
Council Member Ryan Underhill
Council Member Ryan Traver
City Manager Derek N. Perry

CITY COUNCIL AGENDA

March 20, 2023
Regular Meeting - 7:00 PM

- 1) **CALL TO ORDER**
- 2) **ROLL CALL**
- 3) **INVOCATION**
- 4) **PLEDGE OF ALLEGIANCE**
- 5) **APPROVAL OF AGENDA** - Items can be added or deleted from the Agenda by City Council action.
- 6) **PUBLIC COMMENT ON AGENDA ITEMS** - Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on agenda items.
- 7) **CONSENT AGENDA**
 - A. **City Council Minutes**
Work Session- March 6, 2023
Regular Session - March 6, 2023
 - B. **City Bills**

Purchases- 3/3/23	\$72,930.92
Purchases 3/10/23	\$207,934.71
February Power Purchase	\$809,977.80
TOTAL	\$1,090,843.43
 - C. **125-127 WEST MICHIGAN AVENUE OPRA- INTRO AND SET PUBLIC HEARING**
- 8) **PRESENTATIONS AND RECOGNITIONS**
 - A. **DAVE PHANER- BROOKS NATURE CENTER**
- 9) **INFORMATIONAL ITEMS**
- 10) **PUBLIC HEARINGS & SUBSEQUENT COUNCIL ACTION**
- 11) **OLD BUSINESS**
- 12) **REPORTS AND RECOMMENDATIONS**
 - A. **2026 MDOT BRIDGE PROGRAM GRANT SUBMISSION**

- B. WASTEWATER TREATMENT PLANT CLARIFIER REHABILITATION**
- C. MARSHALL AREA FARMERS MARKET ANNUAL UPDATE**
- D. MARIHUANA ODOR ORDINANCE UPDATE- INTRO AND SET PUBLIC HEARING**

13) APPOINTMENTS / ELECTIONS

14) PUBLIC COMMENT ON NON-AGENDA ITEMS

Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on non-agenda items.

15) COUNCIL AND MANAGER COMMUNICATIONS

16) ADJOURNMENT

CITY COUNCIL MINUTES

March 6, 2023

Work Session - 6:00 PM

1) CALL TO ORDER

IN A REGULAR SESSIONS held on Monday, March 6, 2023 at 6:00 PM in the Council Chambers of Town Hall, 323 West Michigan Ave, Marshall, MI 49068, the Marshall City Council was called to order by Mayor Schwartz.

2) ROLL CALL

Roll was called:

Present: Mayor James Schwartz, Members Joe Caron, Theresa Chaney-Huggett, Jacob Gates, Ryan Traver, Ryan Underhill, Scott Wolfersberger

Also Present: Manager Perry and Clerk Eubank

Absent: None

3) PUBLIC COMMENT ON AGENDA AND NON-AGENDA ITEMS - Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on any agenda item.

4) DISCUSSION ITEMS

A. DART 2.0: THE FUTURE OF TRANSIT SERVICE IN THE CITY OF MARSHALL

Director Davenport spoke about the way DART is currently run and a potential plan for the future.

5) PUBLIC COMMENT ON AGENDA AND NON-AGENDA ITEMS

Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on any item not on the agenda.

6) ADJOURNMENT

The meeting was adjourned at 6:53 p.m.

CITY COUNCIL MINUTES

March 6, 2023
Regular Meeting - 7:00 PM

1) CALL TO ORDER

IN A REGULAR SESSION held on Monday, March 6, 2023 at 7:00 PM in the Council Chambers of Town Hall, 323 West Michigan Ave, Marshall, MI 49068, the Marshall City Council was called to order by Mayor Schwartz.

2) ROLL CALL

Roll was called:

Present: Mayor James Schwartz, Joe Caron, Theresa Chaney-Huggett, Jacob Gates, Ryan Traver, Ryan Underhill, and Scott Wolfersberger

Also Present: Manager Perry and Clerk Eubank

Absent: None

3) INVOCATION

4) PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Mayor Schwartz.

5) APPROVAL OF AGENDA - Items can be added or deleted from the Agenda by City Council action.

Mayor Schwartz noted that the minutes for the regular session of February 21, 2023 were to be amended to reflect the addition of the ordinance language for items 10B and 10C.

Moved Scott Wolfersberger, supported Joe Caron to approve the agenda for the March 6, 2023 regular session of the Marshall City Council as amended. On a voice vote: **MOTION CARRIED.**

6) PUBLIC COMMENT ON AGENDA ITEMS Persons addressing Council are required to give their name and address for the record when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on agenda items only.
NONE.

7) CONSENT AGENDA

Moved Ryan Traver, supported Scott Wolfersberger to approve the consent agenda as amended. On a roll call vote:

Ayes: Joe Caron, Theresa Chaney-Huggett, Jacob Gates, Ryan Traver, Ryan Underhill, Scott Wolfersberger, and James Schwartz

Nays: None

Abstain: None

MOTION CARRIED.

A. City Council Minutes

Work Session- February 21, 2023
Regular Session - February 21, 2023

B. City Bills

Purchases- 2/17/2023	\$324,163.78
Purchases- 2/24/2023	\$1,725,119.34
Purchases- 3/7/2023	\$59,330.23
TOTAL	\$2,108,613.35

8) PRESENTATIONS AND RECOGNITIONS

9) INFORMATIONAL ITEMS

10) PUBLIC HEARINGS & SUBSEQUENT COUNCIL ACTION

11) OLD BUSINESS

12) REPORTS AND RECOMMENDATIONS

A. STEPS OF VALHALLA SPECIAL EVENT

Moved Jacob Gates, supported Ryan Underhill to approve the Steps of Valhalla Special Event Application subject to completion of the Park Use License Agreement, Proof of Liability Insurance and State of Michigan Alcohol required licenses and approvals. On a voice vote: **MOTION CARRIED.**

B. ALBAN HEFIN - CELTIC FESTIVAL SPECIAL EVENT REQUEST

Moved Scott Wolfersberger, supported Ryan Underhill to approve the Alban Hefin- Celtic Festival Special Event Application subject to completion of the Park Use License Agreement, Proof of Liability Insurance and State of Michigan Alcohol required licenses and approvals. On a voice vote: **MOTION CARRIED.**

C. THE DARK MASQUERADE (MICHIGAN VAMPIRE BALL) AND CARNIVAL OF SHADOWS

Moved Theresa Chaney-Huggett, supported Jacob Gates to approve the Dark Masquerade and Carnival of Shadows Special Event Application subject to completion of the Park Use License Agreement, Proof of Liability Insurance and State of Michigan Alcohol required licenses and approvals. On a voice vote: **MOTION CARRIED.**

D. OAKLAWN COLOR CLASSIC 5K AND FUN RUN SPECIAL EVENT

Moved Joe Caron, supported Ryan Underhill to Approve the Oaklawn Color Classic 5k and Fun Special Event Request to be held on June 10, 2023. On a voice vote: **MOTION CARRIED.**

E. OAKLAWN PET, BIKE, AND WAGON PARADE

Moved Scott Wolfersberger, supported Joe Caron to approve the Oaklawn Pet, Bike, and Wagon Parade Special Event Request to be held on July 4, 2023. On a voice vote: **MOTION CARRIED.**

F. RUEBEN RACE SPECIAL EVENT

Moved Theresa Chaney-Huggett, supported Ryan Underhill to approve the Rueban Race 10k, 5k, and fun run Special Event Application to be held on April 22, 2023. On a voice vote: **MOTION CARRIED.**

G. INDUSTRIAL ROAD CONSTRUCTION UPDATE AND ENGINEERING

Moved Joe Caron, supported Scott Wolfersberger to approve the construction engineering contract with VK Civil in the amount of \$71,000 with a contingency of \$8,000 for a total funded amount of \$79,000 and authorize a budget amendment and transfer in the amount of \$79,000 from the 2022 Water Revenue Bonds to the Water Capital Line 591-900-970. On a roll call vote:

Ayes: Theresa Chaney-Huggett, Jacob Gates, Ryan Traver, Ryan Underhill, Scott Wolfersberger, James Schwartz, and Joe Caron

Nays: None

Abstain: None

MOTION CARRIED.

H. NORTHEAST NIA- GREEN DEVELOPMENT VENTURES DEVELOPMENT AGREEMENT

Moved Scott Wolfersberger, supported Ryan Underhill to approve the Northeast NIA/Green Development Ventures Development Agreement in substantial form to assist in the addition of 17 homes on Forest Street and authorize the City Clerk to sign on behalf of the City. On a voice vote: **MOTION CARRIED.**

I. SENIOR MILLAGE GRANT REQUEST

Moved Jacob Gates, supported Theresa Chaney-Huggett to approve the submission of a \$150,000 grant to the Senior Millage Strategic Projects program. On a voice vote: **MOTION CARRIED.**

J. MLB - SCOTTS FIELD REFURBISHMENT GRANT

Moved Scott Wolfersberger, supported Ryan Underhill to approve the submission of a \$50,000 grant request to the MLB-Scotts Field Refurbishment Grant program. On a voice vote: **MOTION CARRIED.**

K. SECOND QUARTER FY2023 FINANCIAL REPORT

Moved Jacob Gates, supported Joe Caron to accept the Second Quarter FY 2023 Financial Report as presented and place it on file. On a voice vote: **MOTION CARRIED.**

L. SECOND QUARTER FY2023 INVESTMENT PORTFOLIO

Moved Joe Caron, supported Scott Wolfersberger to accept the Second Quarter FY 2023 Investment Portfolio report and place it on file. On a voice vote: **MOTION CARRIED.**

M. SECOND QUARTER FY2023 CASH POSITION REPORT

Moved Ryan Traver, supported Joe Caron to accept the Second Quarter FY2023 Cash Position Report and place on file. On a voice vote: **MOTION CARRIED.**

N. SECOND QUARTER FY2023 BUDGET AMENDMENTS

Moved Joe Caron, supported Ryan Underhill to adopt City Resolution 2023-06 to amend the FY 2023 Budget. On a voice vote: **MOTION CARRIED.**

CITY OF MARSHALL, MICHIGAN

RESOLUTION #2023-06
THE CITY OF MARSHALL
AMENDED GENERAL APPROPRIATION ACT RESOLUTION
July 1, 2022 – June 30, 2023

THE CITY OF MARSHALL RESOLVES that the revenues and expenditures for the fiscal year, commencing July 1, 2022, and ending June 30, 2023, are hereby amended on a departmental and fund total basis per the attachment, summarized as follows:

	Revenues	Expenditures
General (Fund 101)		16,355
City Hall		13,655
Crossing Guards		2,700
Cemetery Trust (Fund 151)		24,000
MVH Local (Fund 203)		315,000
Municipal Street (Fund 204)		148,000
Marshall House (Fund 536)		293,000

RESOLVED, the use of prior year's fund balance/net position reserves is not reflected in a Fund's revenue figure above, and that the source of funding for a Fund's Net Loss/(Deficit) shall be the use of prior year's fund balance/net position reserves.

This Resolution shall take effect upon adoption.
Dated March 6, 2023

Michelle Eubank, City Clerk

O. WARNER VINEYARDS JOINT OFF-PREMISE TASTING ROOM

Moved Ryan Traver, supported Theresa Chaney-Huggett to approve Resolution 2023-07 for the approval of Warner Vineyards Inc. Joint Off-Premises License. On a voice vote: **MOTION CARRIED.**

P. WARNER VINEYARDS SOCIAL DISTRICT REQUEST

Moved Jacob Gates, supported Joe Caron to approve Resolution 2023-08 approving the Warner Vineyards Social District Permit Application. On a voice vote: **MOTION CARRIED.**

13) APPOINTMENTS / ELECTIONS

14) PUBLIC COMMENT ON NON-AGENDA ITEMS

Persons addressing Council are required to give their name and address for the record

when called upon by the Mayor. Members of the public shall be limited to speaking for a maximum of five (5) minutes on items not on the agenda.

Sandra Sinky of Squaw Creek spoke in opposition to the megasite.

Peter Driscoll of 114 S Mulberry requested a two-way conversation to take place about the megasite.

Justin Kazmar of Marengo Township spoke in opposition to the megasite.

Joan Chapman of Marshall Township spoke in opposition to the megasite.

Julie Bryant of 159 Squaw Creek Rd spoke in opposition to the megasite.

Melanie Snodgrass of 323 N Madison spoke in opposition to the megasite.

Elizabeth Elyea of Marshall Township spoke in opposition to the megasite.

Erica Macintosh of 314 N Madison spoke in opposition to the megasite.

Laura Bartlett of 314 N Linden spoke in opposition to the megasite.

Debra Byer of Fredonia Township spoke in opposition to the megasite.

Jason Blanchard of 311 N Madison spoke about proposed wages at the megasite.

Maggie Emerson Rich of 616 Union St spoke in opposition to the megasite.

Barry Wayne Adams of 622 W Green St spoke in opposition to the megasite.

Rick Sadler of Squaw Creek spoke in opposition to the megasite.

James Arver of 102 W Michigan offered to be an advisor to council and would like more transparency.

15) COUNCIL AND MANAGER COMMUNICATIONS

Ryan Underhill stated that the Ketchum Park committee is starting to look funding for work on Phase 2 of their master plan, which includes \$1.3 million in renovations.

Scott Wolfersberger stated that he was thankful to the city staff and Matt Miller for their hard work on getting the Forest St development moving forward.

Theresa Chaney-Huggett stated that she attended the airport board where they worked on setting a calendar of events for the next year.

Manager Perry stated that he received complaints that the Sherman retention pond is overflowing in to yards and may need some work. He further stated that he received a call from MDOT about how the city plows Michigan Ave.

Clerk Eubank stated that she would be out of the office for training the following week and that absentee ballot applications were going out the next day.

Mayor Schwartz stated that he was thankful to the DPW staff for their plowing during the snow storm the previous week.

16) ADJOURNMENT

The meeting was adjourned at 9:07 p.m.

APPROVAL LIST FOR CITY OF MARSHALL
EXP CHECK RUN DATES 03/03/2023 - 03/03/2023
UNJOURNALIZED
OPEN

INVOICE NUMBER	VENDOR NAME	DESCRIPTION	PO NUMBER	AMOUNT
92740	ALL-TRONICS, INC.	ACCT NO. 1-MARCIT PROGRAMMING PHONE SYST		90.00
178183	ALLEGRA OF BATTLE CREE	ACCT NO. 1738 SCAN ENGINEERING DRAWINGS		440.00
7905-BALANCE	ASI SECURITY	MRLEC CAMERA SYSTEM UPGRADE AND REPLACEM	2023.113	9,975.00
84848705	BOUND TREE MEDICAL, LL	ACCT NO. 225891 GLOVES		89.57
84848706	BOUND TREE MEDICAL, LL	ACCT NO. 225891 SANI-CLOTH WIPES		53.32
12284	BUD'S TOWING & AUTOMOT	DIAL-A-RIDE BUS MAINTENANCE		136.14
03032023	CB HALL ELECTRIC COMP	CITY OF MARSHALL INSPECTION SERVICES FEB		450.00
GP45804	CDW GOVERNMENT	CUST NO. 11848762 RUKUS EXPANSION MODULE	2023.167	3,213.00
02172023-A	COCM	2023 COCM MEMBERSHIP - MUSSER, TIM		45.00
02172023-B	COCM	2023 COCM SPRING CONFERENCE - MUSSER, TI		200.00
03012023	COLLINS SHARON L TRUST	2022 WINTER TAX REFUND - OVERPAYMENT		765.22
134020	CONNECTED SOLUTIONS GR	QUOTE #24855 MICROSOFT SURFACE PRO 7+ WI	2023.173	3,256.63
171654	D & D MAINTENANCE SUPP	ACCT NO. CIMA1 JANITORIAL SUPPLIES		243.00
171706	D & D MAINTENANCE SUPP	ACCT NO. CIMA1 VACUUM REPAIR		127.60
171713	D & D MAINTENANCE SUPP	ACCT NO. CIMA1 VACUUM REPAIR		105.28
171747	D & D MAINTENANCE SUPP	ACCT NO. CIMA1 PAPER TOWEL DISPENSERS		292.91
171754	D & D MAINTENANCE SUPP	ACCT NO. CIMA1 JANITORIAL SUPPLIES		463.04
3370742	EDWARDS INDUSTRIAL SAL	CUST ID: 92775 COUPLERS, PLUGS (TRUCK #2		163.73
02222023	ERB, JASON	ARTICLE 32 SECTION 9: MEALS 2/22/2023		40.00
02222023	FREDS, MATT	ARTICLE 32 SECTION 9: MEALS 2/22/2023		40.00
1060	GLGC PLUMBING LLC	REPAIRED WATER LINE AT 440 MONROE STREET		189.55
9586663289	GRAINGER	ACCT NO. 804945673 JANITORIAL SUPPLIES -		388.52
2312587	GRIFFIN PEST SOLUTIONS	ACCT NO. 3422841 SERVICES AT PSB		51.00
23938	GUTTERS R US, LLC	SNOW REMOVAL AND SIDEWALK SALTING FOR 20	2023.125	2,350.00
23939	GUTTERS R US, LLC	SNOW REMOVAL AND SIDEWALK SALTING FOR 20	2023.124	4,431.60
02012023	HERITAGE CLEANERS	ACCT NO. 100243 MARSHALL POLICE DRY CLEA		525.50
4066296	IIX INSURANCE INFORMAT	ACCT NO. 888907 MOTOR VEHICLE REPORTS/AC		64.90
03032023	INFO-PRO MORTGAGE SERV	2022 SUMMER/WINTER TAX OVERPAYMENT - NOR		3,406.92
29892	J AND K PLUMBING SUPPL	MARSHALL HOUSE - FITTINGS, TAPE		11.35
018390	LEWEY'S SHOE REPAIR	BOOT ALLOWANCE - BOWSHER, CONNOR		10.90
02222023	MACK, JEFF	ARTICLE 32 SECTION 9: MEALS 2/22/2023		40.00
02072023CAR	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - CHRISTY A RAMEY 3101		314.31
02072023COM	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - CITY OF MARSHALL 3431		99.57
02072023DP	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - DEREK PERRY 0186		406.70
02072023JL	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - JOSHUA LANKERD 3280		805.23
02072023JRM	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - JUSTIN R MILLER 9156		422.67
02072023KM	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - KEVIN MAYNARD 9501		972.61
02072023MD	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - MARGUERITE DAVENPORT		668.02
02072023ME	MARSHALL COMMUNITY CRE	CITY CREDIT CARD - MARTIN ERSKINE 9519		121.88
03012023-A	MARSHALL COMMUNITY CRE	2022 SUMMER TAX REFUND - OVERPAYMENT		345.69
03012023-B	MARSHALL COMMUNITY CRE	2022 WINTER TAX REFUND - OVERPAYMENT		345.69
03/02/2023	MAST, ANNA & ALLEN	UB refund for account: 401160023		21.57
13918	MDK GROUP	MRLEC SHRED SERVICES THROUGH 2/6/23		155.00
03/02/2023	MENEGUZZO, CHRIS & VER	UB refund for account: 3101750002		59.39
02232023	MICHIGAN FIRE INSPECTO	2023 MFIS WINTER CONFERENCE - COLLINS, J		380.00
R105017422:01	MIDWEST TRANSIT EQUIPM	DIAL-A-RIDE BUS MAINTENANCE		286.05
02072023	NAPA OF MARSHALL	ACCT NO. 1400 SUPPLIES FOR TRUCK #299		112.73
616100	NAPA OF MARSHALL	ACCT NO. 1400 PREM START FL		67.08
NNS44800	NEONOVA NETWORK SERVIC	ISP TECH SUPPORT JANUARY 2023		1,000.00
03032023	OAKLAWN HOSPITAL	PARKING RAMP LEASE DDA - MARCH 2023		5,724.00
70845	PEERLESS MIDWEST, INC.	WELLHEAD PROTECTION PROGRAM (WHPP) PLAN	2022.292	6,592.11
02222023	PEHRSON, KORY	ARTICLE 32 SECTION 9: MEALS 2/22/2023		40.00
00191621	PROGRESSIVE AE	DESIGN & ENGINEERING OF GREEN STREET REC	2022.005	15,130.00
70873881	ROSE PEST SOLUTIONS	CLIENT NO. 70019775 MARSHALL HOUSE SERVI		206.00
02222023	SANDERS, TIM	ARTICLE 32 SECTION 9: MEALS 2/22/2023		30.00
02222023	SCHIPPER, CLINT	ARTICLE 32 SECTION 9: MEALS 2/22/2023		40.00
03/02/2023	SPIITZLEY, MACALLISTER	UB refund for account: 3002970043		95.77
03012023-A	STATE OF MICHIGAN	APPLICATION FEE FOR S3 EXAM - BURGHODORF,		70.00
03012023-B	STATE OF MICHIGAN	APPLICATION FEE FOR D4 EXAM - BURGHODORF,		70.00
03022023	STATE OF MICHIGAN	AUTHENTICATION REQUEST FORM FEE (PA425 -		4.00
02222023	STRAND, MARK	ARTICLE 32 SECTION 9: MEALS 2/22/2023		10.00
02222023	SUNDBERG, KIP	ARTICLE 32 SECTION 9: MEALS 2/22/2023		40.00
03/02/2023	TAYLOR, ADAM	UB refund for account: 3101010028		49.86
152	TOP TO BOTTOM TREE SER	ELECTRIC LINE CLEARANCE (3-PERSON \$132/H	2023.163	4,917.00
101394	VC3 INC	ACCT NO. MAR11 HP CARE PACK/WARRANTY REN		236.82
02022023	WOW! INTERNET-CABLE-PH	ACCT NO. 010040764 MARSHALL HOUSE FEB 20		1,431.49
GRAND TOTAL:				72,930.92

APPROVAL LIST FOR CITY OF MARSHALL
EXP CHECK RUN DATES 03/10/2023 - 03/10/2023
BOTH JOURNALIZED AND UNJOURNALIZED
BOTH OPEN AND PAID

INVOICE NUMBER	VENDOR NAME	DESCRIPTION	PO NUMBER	AMOUNT
438897	AD-VISOR & CHRONICLE	AD NO. 6100458 ADS 1/7, 1/14, 1/21, 1/28		5,247.75
1LGH-W4JT-6JX6	AMAZON CAPITAL SERVICE	ACCT NO. A1P4GM99HG1E02 BUCKETS		49.99
19YQ-9J6F-FKP6	AMAZON CAPITAL SERVICE	ACCT NO. A1P4GM99HG1E02 COMMERCIAL AMPLI		279.14
1VYT-VV6L-7T6Q	AMAZON CAPITAL SERVICE	ACCT NO. A1P4GM99HG1E02 BATTERIES		19.71
33512788	APPLIED CAPITAL, LLC	CONTRACT NO. 132-1753516-000 MRLEC COPIE		117.52
02172023	AT&T	ACCT NO. 145970911 MRLEC INTERNET FEB 20		107.35
03072023	BOWSHER, CONNOR	REIMBURSEMENT FOR FIRE APPARATUS TARPS		93.28
03072023-A	CALHOUN COUNTY LAND BA	2022 SUMMER LAND BANK		1,940.48
03072023-B	CALHOUN COUNTY LAND BA	2022 WINTER LAND BANK		707.10
03072023-D	CALHOUN COUNTY TREASUR	:2022 WINTER LAND BANK		48.52
03082023-A	CALHOUN COUNTY TREASUR	:2022 SUMMER IFT DIST FINAL		13,986.01
03072023-B	CALHOUN COUNTY TREASUR	:2022 SUMMER LAND BANK		202.34
03072023-C	CALHOUN COUNTY TREASUR	:2022 WINTER AD VALOREM DIST #FINAL		4,221.60
03082023-B	CALHOUN COUNTY TREASUR	:2022 WINTER IFT DIST FINAL		2,905.93
03072023-A	CALHOUN COUNTY TREASUR	:2022 SUMMER DIST AD VALOREM #FINAL		42,911.54
03062023	CALHOUN COUNTY TREASUR	:PRE CHANGE - INVOICE 118-23		13.28
03072023-A	CALHOUN INTERMEDIATE S	:2022 SUMMER DIST AD VALOREM #FINAL		2,259.50
03082023-B	CALHOUN INTERMEDIATE S	:2022 WINTER IFT DIST FINAL		73.03
03072023-C	CALHOUN INTERMEDIATE S	:2022 WINTER AD VALOREM DIST #FINAL		10,185.23
03072023-B	CALHOUN INTERMEDIATE S	:2022 SUMMER LAND BANK		4.98
03082023-A	CALHOUN INTERMEDIATE S	:2022 SUMMER IFT DIST FINAL		72.22
03072023-D	CALHOUN INTERMEDIATE S	:2022 WINTER LAND BANK		4.75
611732	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		35.98
611921	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		115.16
612509	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		38.99
612563	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		99.99
612782	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		25.30
612957	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		2.00
612997	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		17.99
613381	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		199.98
613467	DARLING ACE HARDWARE	CUST NO. 1650 - GARAGE		32.49
613660	DARLING ACE HARDWARE	CUST NO. 1650 - ELECTRIC		31.99
IN-30087172	DUBOIS CHEMICALS INC.	ACCT NO. 870824 WASTE WATER POLYMER	2023.052	1,024.81
03032023	GROSS, JOHN	CITY OF MARSHALL INSPECTION SERVICES 1/2		1,400.00
03/10/2023	HARRISON, BRANDON	UB refund for account: 2900070039		46.11
178	HERMANS ELECTRICAL SER	WWTP LIGHTING REPAIRS AND LED CONVERSION 2023.200		3,944.71
9898	JS BUXTON	WASTE WATER - CHEMICAL LIME		1,330.90
03072023-A	KELLOGG COMMUNITY COLL	:2022 SUMMER DIST AD VALOREM #FINAL		1,324.40
03072023-B	KELLOGG COMMUNITY COLL	:2022 SUMMER LAND BANK		68.04
03082023-A	KELLOGG COMMUNITY COLL	:2022 SUMMER IFT DIST FINAL		4,699.41
03072023-D	KELLOGG COMMUNITY COLL	:2022 WINTER LAND BANK		67.89
03072023-C	KELLOGG COMMUNITY COLL	:2022 WINTER AD VALOREM DIST #FINAL		5,903.81
03082023-B	KELLOGG COMMUNITY COLL	:2022 WINTER IFT DIST FINAL		4,699.38
000014011	KELLOGG'S REPAIR	ELECTRIC DEPT - CHAINSAW REPAIR		168.00
03102023	MARANA GROUP	ACCT NO. M323 PREPAYMENT FOR DAILY MAIL		500.00
03082023-A	MARSHALL AREA FIRE FIG	:2022 WINTER IFT DIST FINAL		1,360.06
03072023-A	MARSHALL AREA FIRE FIG	:2022 WINTER AD VALOREM DIST #FINAL		2,258.81
03072023-B	MARSHALL AREA FIRE FIG	:2022 WINTER LAND BANK		25.96
03072023-B	MARSHALL DISTRICT LIBR	:2022 SUMMER LAND BANK		62.15
03082023-A	MARSHALL DISTRICT LIBR	:2022 SUMMER IFT DIST FINAL		4,778.56
03072023-A	MARSHALL DISTRICT LIBR	:2022 SUMMER DIST AD VALOREM #FINAL		1,210.13
002344	MARSHALL HARDWARE	STREETS - SPRAY PAINT, KEYS		51.73
002345	MARSHALL HARDWARE	GARAGE - THREAD COMPOUND		9.99
002330	MARSHALL HARDWARE	ENGINEERING - BOX SCREWS		9.08
03072023-D	MARSHALL PUBLIC SCHOOL	:2022 WINTER LAND BANK		151.15
03082023-A	MARSHALL PUBLIC SCHOOL	:2022 SUMMER IFT DIST FINAL		2,321.74
03072023-C	MARSHALL PUBLIC SCHOOL	:2022 WINTER AD VALOREM DIST #FINAL		24,699.47
03082023-B	MARSHALL PUBLIC SCHOOL	:2022 WINTER IFT DIST FINAL		2,321.74
03072023-B	MARSHALL PUBLIC SCHOOL	:2022 SUMMER LAND BANK		151.45
03072023-A	MARSHALL PUBLIC SCHOOL	:2022 SUMMER DIST AD VALOREM #FINAL		36,872.96
03062023	MCGINTY, HITCH, PERSON	CLIENT NO. 4030.001 SERVICES THROUGH 2/2		9,461.00
482554	NORTH CENTRAL LABORATO	:ACCT NO. 27850 WASTE WATER LAB SUPPLIES 2023.015		311.48
70846	PEERLESS MIDWEST, INC.	HYDROGEOLOGIST CONSULTING OCT - DEC 2022 2022.225		750.00
02262023	POWERPLAN	ACCT NO. 88002-30904 GARAGE SUPPLIES FRO		400.00
02252023	STAPLES BUSINESS CREDI	:CREDIT ACCT NO. 302063 OFFICE SUPPLIES		405.94
761-11060103	STATE OF MICHIGAN	CUST ID: 508430 2023 ANNUAL BIOSOLIDS FE 2023.193		3,684.85
761-11068527	STATE OF MICHIGAN	CUST ID: 287915 2023 ANNUAL STORM WATER		260.00
153	TOP TO BOTTOM TREE SER	:ELECTRIC LINE CLEARANCE (3-PERSON \$132/2023.163		4,884.00
265430	USABBLUEBOOK	CUST NO. 859103 WWTP LAB SUPPLIES		90.91
03012023	WOW! BUSINESS	ACCT NO. 014226414 FIRE MARCH 2023		126.28
02242023	WOW! BUSINESS	ACCT NO. 013934621 DPW MARCH 2023		46.69
GRAND TOTAL:				207,934.71



MICHIGAN SOUTH CENTRAL POWER AGENCY

168 DIVISION STREET
COLDWATER, MICHIGAN 49036
PHONE (517) 279-6961
FAX (517) 279-6969

INVOICE MONTH: February, 2023
INVOICE DATE: 3/15/2023
DUE DATE: 3/30/2023
TOTAL AMOUNT DUE: \$809,977.80

MARSHALL CITY ELECTRIC DEPARTMENT
323 WEST MICHIGAN AVENUE
MARSHALL, MICHIGAN 49068
ATTN: KEVIN MAYNARD

MSCPA Member Power Billing - February, 2023

Total Power Charges:	\$686,452.97
Transmission / Capacity / Ancillary Services:	\$94,516.02
Total Other Charges:	\$8,735.75
Total Miscellaneous Charges:	\$20,273.06

TOTAL CHARGES \$809,977.80

NOTE: PLEASE SEE ENCLOSED BACKUP FOR ADDITIONAL DETAIL

* Any amounts due and not paid by the due date shall bear interest at the rate of 1% per month until paid

Notes:



ITEM 7.C

TO: Honorable Mayor and City Council
FROM: Derek N. Perry, City Manager
Eric Zuzga, Director of Community Services
DATE: March 20, 2023
SUBJECT: **125-127 WEST MICHIGAN AVENUE OPRA- INTRO AND SET PUBLIC HEARING**

In 2022, City Council created an Obsolete Property Rehabilitation Act (OPRA) district at 125-127 West Michigan Avenue which allows the property owner to request an OPRA exemption on the redeveloped portion of the property. OPRA is a tool created by the legislature in 2000, to encourage the redevelopment of blighted structures. It works by freezing the taxable value of a property for a period of up to twelve (12) years. Freezing the taxable value of a property provides an incentive for a property owner to make significant improvements to a building without incurring an increase in property taxes for the period approved by City Council. If approved, the request will assist in the redevelopment of the second floor into five (5) apartments (see attached layout). Cahill's request is for the full 12 years as allowed by the OPRA statute.

To consider this request, a public hearing will need to be scheduled for the April 3, 2023 City Council meeting.

BUDGET IMPACT:

The OPRA will freeze the property tax value of the second floor at the 2023 State Taxable Value (TV) until the 2035 tax year. This will limit the amount of taxes received by all taxing jurisdictions for that period. Starting in 2035, all jurisdictions will be able to gain the tax benefit of the improved property.

RECOMMENDATION:

Introduce Resolution #2023-10 and set a public hearing for April 3, 2023 to consider a request for an Obsolete Property Rehabilitation Act Exemption for 125-127 West Michigan Avenue.

Application for Obsolete Property Rehabilitation Exemption Certificate

This form is issued as provided by Public Act 146 of 2000, as amended. This application should be filed after the district is established. This project will not receive tax benefits until approved by the State Tax Commission. Applications received after October 31 may not be acted upon in the current year. This application is subject to audit by the State Tax Commission.

INSTRUCTIONS: File the original and two copies of this form and the required attachments with the clerk of the local government unit. (The State Tax Commission requires two copies of the Application and attachments. The original is retained by the clerk.) Please see State Tax Commission Bulletin 9 of 2000 for more information about the Obsolete Property Rehabilitation Exemption. The following must be provided to the local government unit as attachments to this application: (a) General description of the obsolete facility (year built, original use, most recent use, number of stories, square footage); (b) General description of the proposed use of the rehabilitated facility, (c) Description of the general nature and extent of the rehabilitation to be undertaken, (d) A descriptive list of the fixed building equipment that will be a part of the rehabilitated facility, (e) A time schedule for undertaking and completing the rehabilitation of the facility, (f) A statement of the economic advantages expected from the exemption. A statement from the assessor of the local unit of government, describing the required obsolescence has been met for this building, is required with each application. Rehabilitation may commence after establishment of district.

Applicant (Company) Name (applicant must be the OWNER of the facility)								
Company Mailing address (No. and street, P.O. Box, City, State, ZIP Code)								
Location of obsolete facility (No. and street, City, State, ZIP Code)								
City, Township, Village (indicate which)		County						
Date of Commencement of Rehabilitation (mm/dd/yyyy)	Planned date of Completion of Rehabilitation (mm/dd/yyyy)	School District where facility is located (include school code)						
Estimated Cost of Rehabilitation	Number of years exemption requested	Attach Legal description of Obsolete Property on separate sheet						
Expected project likelihood (check all that apply): <table border="0"><tr><td>☐ Increase Commercial activity</td><td>☐ Retain employment</td><td>☐ Revitalize urban areas</td></tr><tr><td>☐ Create employment</td><td>☐ Prevent a loss of employment</td><td>☐ Increase number of residents in the community in which the facility is situated</td></tr></table> Indicate the number of jobs to be retained or created as a result of rehabilitating the facility, including expected construction employment _____			☐ Increase Commercial activity	☐ Retain employment	☐ Revitalize urban areas	☐ Create employment	☐ Prevent a loss of employment	☐ Increase number of residents in the community in which the facility is situated
☐ Increase Commercial activity	☐ Retain employment	☐ Revitalize urban areas						
☐ Create employment	☐ Prevent a loss of employment	☐ Increase number of residents in the community in which the facility is situated						
Each year, the State Treasurer may approve 25 additional reductions of half the school operating and state education taxes for a period not to exceed six years. Check the following box if you wish to be considered for this exclusion. ☐								

APPLICANT'S CERTIFICATION

The undersigned, authorized officer of the company making this application certifies that, to the best of his/her knowledge, no information contained herein or in the attachments hereto is false in any way and that all of the information is truly descriptive of the property for which this application is being submitted. Further, the undersigned is aware that, if any statement or information provided is untrue, the exemption provided by Public Act 146 of 2000 may be in jeopardy.

The applicant certifies that this application relates to a rehabilitation program that, when completed, constitutes a rehabilitated facility, as defined by Public Act 146 of 2000, as amended, and that the rehabilitation of the facility would not be undertaken without the applicant's receipt of the exemption certificate.

It is further certified that the undersigned is familiar with the provisions of Public Act 146 of 2000, as amended, of the Michigan Compiled Laws; and to the best of his/her knowledge and belief, (s)he has complied or will be able to comply with all of the requirements thereof which are prerequisite to the approval of the application by the local unit of government and the issuance of an Obsolete Property Rehabilitation Exemption Certificate by the State Tax Commission.

Name of Company Officer (no authorized agents)	Telephone Number	Fax Number
Mailing Address		Email Address
Signature of Company Officer (no authorized agents)		Title

LOCAL GOVERNMENT UNIT CLERK CERTIFICATION

The Clerk must also complete Parts 1, 2 and 4 on Page 2. Part 3 is to be completed by the Assessor.

Signature	Date application received
-----------	---------------------------

FOR STATE TAX COMMISSION USE		
Application Number	Date Received	LUCI Code

LOCAL GOVERNMENT ACTION

This section is to be completed by the clerk of the local governing unit before submitting the application to the State Tax Commission. Include a copy of the resolution which approves the application and Instruction items (a) through (f) on page 1, and a separate statement of obsolescence from the assessor of record with the State Assessor's Board. All sections must be completed in order to process.

PART 1: ACTION TAKEN

Action Date: _____		
☐ Exemption Approved for _____ Years, ending December 30, _____ (not to exceed 12 years)		
☐ Denied		
Date District Established	LUCI Code	School Code

PART 2: RESOLUTIONS (the following statements must be included in resolutions approving)

A statement that the local unit is a Qualified Local Governmental Unit. A statement that the Obsolete Property Rehabilitation District was legally established including the date established and the date of hearing as provided by section 3 of Public Act 146 of 2000. A statement indicating whether the taxable value of the property proposed to be exempt plus the aggregate taxable value of property already exempt under Public Act 146 of 2000 and under Public Act 198 of 1974 (IFT's) exceeds 5% of the total taxable value of the unit. A statement of the factors, criteria and objectives, if any, necessary for extending the exemption, when the certificate is for less than 12 years. A statement that a public hearing was held on the application as provided by section 4(2) of Public Act 146 of 2000 including the date of the hearing. A statement that the applicant is not delinquent in any taxes related to the facility. If it exceeds 5% (see above), a statement that exceeding 5% will not have the effect of substantially impeding the operation of the Qualified Local Governmental Unit or of impairing the financial soundness of an affected taxing unit. A statement that all of the items described under "Instructions" (a) through (f) of the Application for Obsolete Property Rehabilitation Exemption Certificate have been provided to the Qualified Local Governmental Unit by the applicant.	A statement that the application is for obsolete property as defined in section 2(h) of Public Act 146 of 2000. A statement that the commencement of the rehabilitation of the facility did not occur before the establishment of the Obsolete Property Rehabilitation District. A statement that the application relates to a rehabilitation program that when completed constitutes a rehabilitated facility within the meaning of Public Act 146 of 2000 and that is situated within an Obsolete Property Rehabilitation District established in a Qualified Local Governmental Unit eligible under Public Act 146 of 2000 to establish such a district. A statement that completion of the rehabilitated facility is calculated to, and will at the time of issuance of the certificate, have the reasonable likelihood to, increase commercial activity, create employment, retain employment, prevent a loss of employment, revitalize urban areas, or increase the number of residents in the community in which the facility is situated. The statement should indicate which of these the rehabilitation is likely to result in. A statement that the rehabilitation includes improvements aggregating 10% or more of the true cash value of the property at commencement of the rehabilitation as provided by section 2(l) of Public Act 146 of 2000. A statement of the period of time authorized by the Qualified Local Governmental Unit for completion of the rehabilitation.
--	---

PART 3: ASSESSOR RECOMMENDATIONS

Provide the Taxable Value and State Equalized Value of the Obsolete Property, as provided in Public Act 146 of 2000, as amended, for the tax year immediately preceding the effective date of the certificate (December 31st of the year approved by the STC).

Taxable Value	State Equalized Value (SEV)
Building(s)	
Name of Governmental Unit	Date of Action on application Date of Statement of Obsolescence

PART 4: CLERK CERTIFICATION

The undersigned clerk certifies that, to the best of his/her knowledge, no information contained herein or in the attachments hereto is false in any way. Further, the undersigned is aware that if any information provided is untrue, the exemption provided by Public Act 146 of 2000 may be in jeopardy.

Name of Clerk	Clerk Signature	Date	
Clerk's Mailing Address	City	State	ZIP Code
	Telephone Number	Fax Number	Email Address

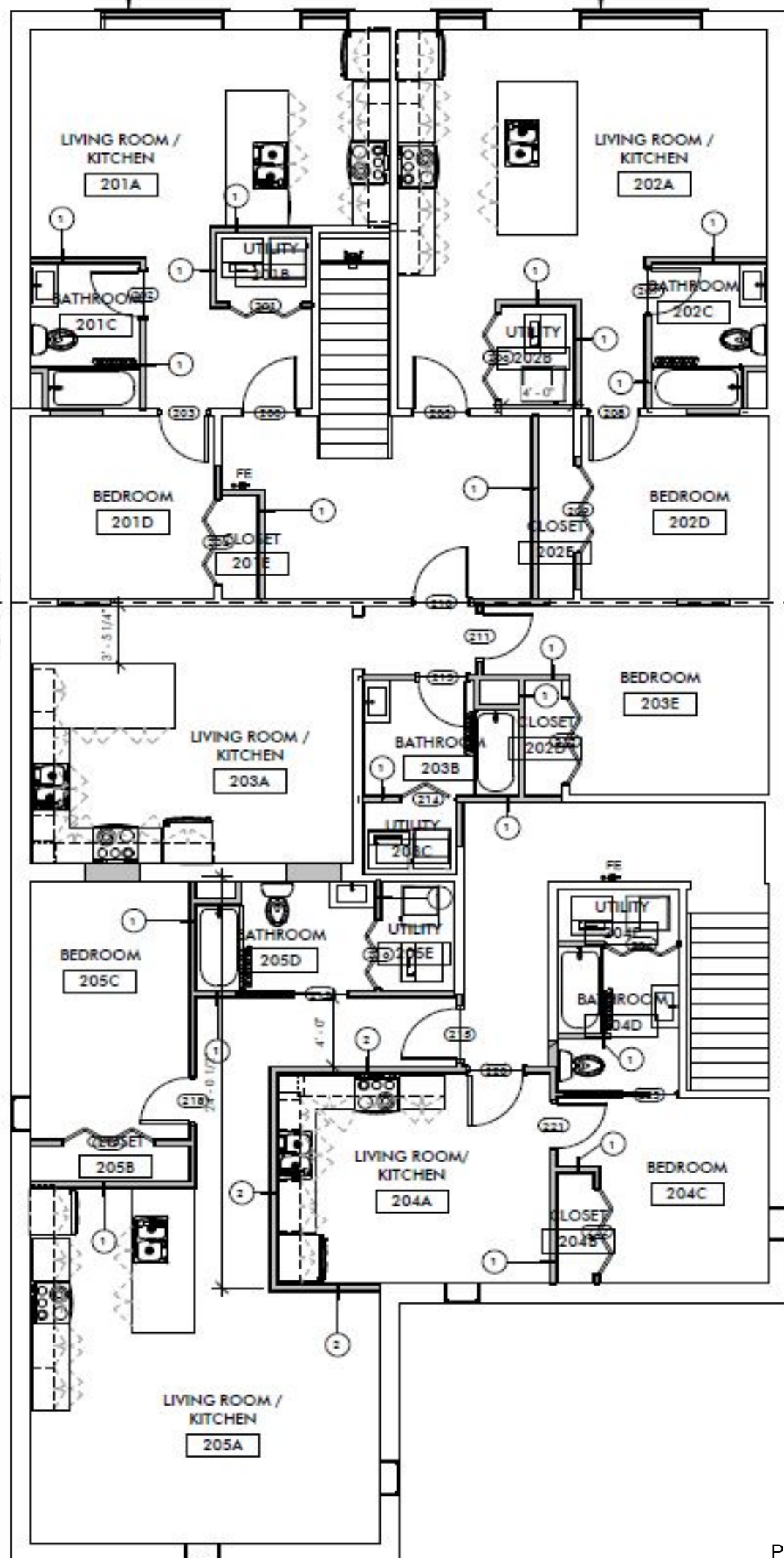
Mail completed application and attachments to: Michigan Department of Treasury
 State Tax Commission
 P.O. Box 30471
 Lansing, Michigan 48909-7971

If you have any questions, call 517- 335-7491.

For guaranteed receipt by the State Tax Commission, it is recommended that applications and attachments are sent by certified mail.

AREA "B" AREA "A"

AREA "B" AREA "A"



**RESOLUTION TO APPROVE AN OBSOLETE PROPERTY REHABILITATION
EXEMPTION CERTIFICATE APPLICATION
PA 146 OF 2000 AS AMENDED**

Minutes of a regular meeting of the Council of the City of Marshall, held on April 3, 2023 at 7:00 PM.

PRESENT:

ABSENT:

The following preamble and resolution were offered by _____, and supported by _____.

**Resolution 2023-10 Approving Obsolete Property Rehabilitation Exemption
Certificate Application for Justin and Heather Cahill Located at 125-127 West
Michigan Avenue**

WHEREAS, pursuant to PA 146 of 2000, as amended, the City of Marshall is a Qualified Local Governmental Unit eligible to establish one or more Obsolete Property Rehabilitation Districts (OPRA); and

WHEREAS, the City of Marshall legally established the Obsolete Property Rehabilitation District Cahill Building Obsolete Property Rehabilitation District No. 1 on July 18, 2022, after a public hearing held on July 18, 2022; and

WHEREAS, the taxable value of the property proposed to be exempt plus the aggregate taxable value of property already exempt under Public Act 146 of 2000 and under Public Act 198 of 1974 (IFT's) does not exceed 5% of the total taxable value of the City of Marshall; and

WHEREAS, the application was approved at a public hearing as provided by section 4(2) of Public Act 146 of 2000, as amended, on April 3, 2023; and

WHEREAS, the Cahills are not delinquent in any taxes related to the facility; and

WHEREAS, the application is for obsolete property as defined in section 2(h) of Public Act 146 of 2000, as amended; and

WHEREAS, the applicant has provided answers to all required questions under the application instructions to the City of Marshall; and

WHEREAS, the City of Marshall requires that rehabilitation of the facility shall be completed by December 31, 2023; and

WHEREAS, the commencement of the rehabilitation of the facility did not occur before the establishment of the Obsolete Property Rehabilitation District; and

WHEREAS, the application relates to a rehabilitation program that when completed constitutes a rehabilitated facility within the meaning of Public Act 146 of 2000, as amended, and that is situated within an Obsolete Property Rehabilitation District established in the City of Marshall eligible under Public Act 146 of 2000, as amended, to establish such a district; and

WHEREAS, completion of the rehabilitated facility is calculated to, and will at the time of issuance of the certificate, have the reasonable likelihood to create employment, revitalize urban areas, and increase the number of residents in the community in which the facility is situated; and

WHEREAS, the rehabilitation includes improvements aggregating 10% or more of the true cash value of the property at commencement of the rehabilitation as provided by section 2(l) of Public Act 146 of 2000.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Marshall and hereby is granted an Obsolete Property Rehabilitation Exemption for the real property (2nd floor of 125-127 West Michigan Avenue), excluding land, located in Obsolete Property Rehabilitation District Cahill Building Obsolete Property Rehabilitation District No. 1 at 125-127 West Michigan Avenue for a period of 12 years, beginning December 31, 2023, and ending December 31, 2035, pursuant to the provisions of PA 146 of 2000, as amended.

AYES:

NAYS:

RESOLUTION DECLARED ADOPTED.

I hereby certify that the foregoing constitutes a true and complete copy of a resolution adopted by the City Council of the City of Marshall, County of Calhoun, Michigan at a regular meeting held on April 3, 2023.

Clerk



ITEM 12.A

TO: Honorable Mayor and City Council
FROM: Derek N. Perry, City Manager
Marguerite Davenport, Director of Public Services
DATE: March 20, 2023
SUBJECT: 2026 MDOT BRIDGE PROGRAM GRANT SUBMISSION

For the last 2 years, the City has applied for a grant through the MDOT Bridge Program for the South Marshall Avenue bridge over Rice Creek. Previous to that, the City received funding to replace the Monroe Street bridge over Rice Creek and the South Marshall Avenue bridge over the Kalamazoo River under MDOT's Bridge Program.

This year the application is for fiscal year 2026 in support of replacing the South Marshall Avenue bridge over Rice Creek. The application outlines the importance of the bridge to the City's transportation network. ROWE Professional Services completed the application on behalf of the City and completes all the City's bridge inspections every other year as required by the State. ROWE Professional Services also completed the emergency repair design for the South Marshall Avenue bridge after the failure in 2019.

BUDGET IMPACT:

None. If the grant is awarded, the City will budget the City's share of the cost of the \$3,000,000 project, estimated at \$750,000, out of the Major Street Fund budget in future fiscal year 2026.

RECOMMENDATION:

Approve the MDOT Bridge Program grant application for South Marshall Avenue bridge over Rice Creek for fiscal year 2026 and authorize the City Clerk to sign Resolution 2023-9 committing the City to the funding match requirements of the program.

APPLICATION FOR FUNDING

For

REPLACEMENT OF

1419 – MARSHALL AVENUE BRIDGE OVER THE RICE CREEK

PRIORITY #1

City of Marshall

Submitted by:
City of Marshall
April 2023

Marshall Avenue Bridge over the Rice Creek

The City of Marshall is requesting local bridge funds for the **replacement** of Marshall Avenue Bridge over the Rice Creek. The City of Marshall is committed to having this structure funded for the 2026 fiscal year. This bridge is the City's #1 priority for funding.

CONTACT

Marguerite Davenport – Director of Public Services
323 W. Michigan Avenue
Marshall, MI 49068
Phone: (269) 558-0323
MDavenport@cityofmarshall.com

BACKGROUND

The Marshall Avenue Bridge over the Rice Creek is a three span, earth filled arch structure totaling 82 feet in length. This structure carries 2 lanes of traffic with sidewalks on both sides and has an inside clear width of 31 feet. The bridge superstructure consists of three filled arches. The stems of the arches act as the abutments, and concrete footings extend above grade to act as the piers. The pier footings are protected with grouted riprap. The structure was originally constructed in 1899 and reconstructed in 1995.

The southern portion of the HMA wearing surface has been recently repaved. The HMA surface has transverse cracking across the width of the roadway along the south reference line, center of the center span, and north reference line. There are longitudinal cracks along the centerline of the roadway and the northbound lanes, portions have been sealed. The paved surface extends through the gutter. The masonry block parapet bridge railings are along both sides of the bridge, and a large portion of the western rail is missing due to a recent failure of the headwall. The railing has been repaired with guardrail across the opening in order to open the sidewalk back up to pedestrian traffic. The arch headwalls are covered in mortar, and the southern arch span has been repaired with steel plates and tension rods due to the deterioration of the original headwall. There is heavy hairline map cracking and moisture in all arch spans. The west wingwalls are the original stone faces covered with mortar and have minor map cracking and leaching. The east wingwalls are stone filled.

WEIGHT LIMIT

The structure is not currently posted.

FUNCTIONAL CLASSIFICATION AND ECONOMIC IMPORTANCE

Marshall Avenue is classified as a “minor arterial”. It is a 2-lane paved road which carries high volumes of local traffic. The replacement of this bridge would create an unrestricted roadway to help feed the residential growth and increase tourism in this historic area. The 2014 average daily traffic volume was 3,355 vehicles per day (vpd). The future traffic volumes (2042) are estimated to be 5,504 vpd.

The economic importance of this structure is based on the extra travel time that will be needed due to the detour route if this structure is closed. Marshall Avenue is a primary north/south roadway through downtown City of Marshall and load capacity reduction or closure could significantly impact traffic to this area of the city. Due to the historic portions of the Marshall Avenue bridge, it is important that the replacement be aesthetically similar to the existing structure. The anticipated proposed structure would be

a three-sided concrete arch bridge with form lined wingwalls, similar to the city's Monroe Street bridge that was replaced in 2019. Or a spread box beam superstructure with aesthetic treatments on wingwalls and railing, similar to the Marshall Avenue bridge over the Kalamazoo River that was constructed in 2018.

This bridge is the western border of the City's Ketchum Park, the city's largest park. The City recently received a grant for the construction of a pavilion, recreation and beautification improvements to the area directly east of the bridge, see picture below. Should the bridge be closed, access to this investment would be impeded, affecting revenues from pavilion rentals and the ability to achieve future funding for continued improvements to the historic Rice Creek mill race area. Extensive planning has been done for the entirety of Ketchum Park from Marshall Street east, along Rice creek and the mill race, to the divide of the mill race and the creek where Green St and Michigan Ave intersect. This planning includes recreational and environmental improvements as well as future connections for the North Country Trail and connections to the City's Riverwalk along the Kalamazoo River.



Marshall Avenue is also a main route to get to the Calhoun County Fairgrounds, located less than 0.25 miles from the bridge. The Calhoun County Fairgrounds are home to Michigan's oldest active fair, with over 30,000 attendees annually. The Fairgrounds typically hosts 15 summer events, including the Marshall Bluegrass Festival and an annual Holiday light drive-through event.

The bridge is also located near several other tourist attractions and recreational opportunities, including the Governor's Mansion. Marshall Avenue is a direct route for residents on the Northeast side of town to the City's cemetery south of Homer Road. Marshall Avenue is a direct access to the City's Riverwalk along the Kalamazoo River which includes access points on the south side of the river at Stuarts Landing and north side of the river along River Street.

Currently, a large residential development is being planned for the area formally known as Alwyn Down's Golf Course. Ford Motor Company has also agreed to build their new battery facility in Marshall just west of town promising up to 2,500 new jobs. These new developments will increase the traffic in the area and the need for north-south routes in the east side of town.

LOCAL IMPACTS AND DETOUR ROUTE

The detour route for traffic when the bridge will be closed is as follows: Marshall Avenue to Green Street, to Kalamazoo Avenue to Hughes Street, and back to Marshall Avenue. The approximate length of this detour is 2.4 miles.

If the structure is closed, the detour would affect the route of school buses for nearby schools, and the response time of emergency vehicles for emergencies. There are several schools that use this north/south route, including Marshall Academy, Hughes Elementary School, and the Marshall Middle School. Volunteer fire fighters from Marengo Township use Marshall Avenue to access the fire departments and the City.

ESTIMATED REPLACEMENT COST

A. Approach Construction.....	\$222,676
B. Structure Construction.....	<u>\$2,733,324</u>
Total	\$2,956,000

Exhibit 4 - Cost Estimating Worksheet

2023

BRIDGE COST ESTIMATE WORKSHEET
- CPM, REHAB, REPLACE -

REV. 01/31/2023

OWNER: MARSHALL FISCAL YEAR: 2026 DATE: 3/8/2023
 REGION: Southwest LENGTH 82.0 WIDTH 43.0 CURB TO CURB ENGINEER: ANH
 TSC: Marshall MP: #N/A STRUCTURE ID: 1419
 LOCATION: MARSHALL AVENUE over RICE CREEK
 PRIMARY WORK ACTIVITY Bridge Replacement DECK AREA: 3,526 SFT STR. TYPE: Masonry
 OTHER WORK: CLEAR ROADWAY: 2,526 SFT Arch - Deck, Filled Spandrel

WORK ACTIVITY	MDOT Bridge Design Guides	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	\$415.00 /SFT	
Single Span, Over Water	(add demo, approach, MOT)		SFT	\$500.00 /SFT	
Multiple Spans, Over Water	(add demo, approach, MOT)	3,485.0	SFT	\$450.00 /SFT	\$1,568,250.00
Precast Culvert	(add demo, approach, MOT)		SFT	\$540.00 /SFT	
NEW SUPERSTRUCTURE					
New Superstructure, Grade Separation	(incl. remove exist deck/super; add MOT & approach)		SFT	\$295.00 /SFT	
New Superstructure, Over Water	(incl. remove exist deck/super; add MOT & approach)		SFT	\$300.00 /SFT	
WIDENING					
Structure Widening, ft	(incl. deck/super/sub widening, add approach transition)		SFT	\$630.00 /SFT	
NEW DECK					
New Bridge Deck & Barrier	(incl. remove exist deck/railing, add approach, MOT)		SFT	\$150.00 /SFT	
DEMOLITION					
Entire Structure, Grade Separation			SFT	\$75.00 /SFT	
Entire Structure, Over Water		3,526.0	SFT	\$95.00 /SFT	\$334,970.00
DECK REPAIR / TREATMENTS					
Bridge Railing Replacement	(incl. removal and replacement)		FT	\$750.00 /FT	
Concrete Brush Block / Curb Patch	(incl. hand chipping and formwork)		FT	\$29.00 /FT	
Concrete Barrier Patch	(incl. hand chipping and formwork)		SFT	\$85.00 /SFT	
Concrete Deck Patch	(incl. hand chipping)		SFT	\$68.00 /SFT	
Deep Overlay	(incl. joint repl & hydro)		SFT	\$46.00 /SFT	
Epoxy Overlay	(incl. warranty)		SYD	\$48.00 /SYD	
Expansion Joint Gland Replacement	(remove and replace elastomeric gland)		FT	\$125.00 /FT	
Expansion Joint Replacement	(incl. removal)		FT	\$860.00 /FT	
Full Depth Patch			SFT	\$140.00 /SFT	
Healer / Sealer	(penetrates cracks in bridge deck)		SYD	\$30.00 /SYD	
HMA Overlay with WP membrane			SYD	\$60.00 /SYD	
Overlay Removal	(Epoxy: \$22/syd Latex: \$26/syd HMA: \$7/syd)		SYD	\$7.00 /SYD	
Reseal Bridge Joints			FT	\$28.00 /FT	
Shallow Overlay	(incl. joint repl & hydro)		SFT	\$46.00 /SFT	
SUPERSTRUCTURE REPAIR					
Bearing Realignment / Replacement	(incl. temporary supports)		EA	\$6,450.00 EA	
Heat Straightening	(incl. clean and coat)		EA	\$57,000.00 EA	
Pack Rust Repair	(greater than 3/8" separation)		FT	\$1,150.00 /FT	
Paint - Complete	(incl. clean & coat)		SFT	\$30.00 /SFT	
Paint - Partial / Spot / Zone	(incl. clean & coat - \$20k minimum)		SFT	\$60.00 /SFT	
PCI Beam End Blockout	(incl. temporary supports)		EA	\$7,200.00 EA	
Pin & Hanger Replacement	(incl. temporary supports)		EA	\$17,000.00 EA	
Structural Steel Repair	(based on 6ft repair length)		EA	\$4,000.00 EA	
Structural Steel Repair - Stiffener	(includes each side of beam)		EA	\$1,500.00 EA	
SUBSTRUCTURE REPAIR					
Substructure Patching	(measured x 2) replace if repair area > 30%		CFT	\$360.00 /CFT	
Substructure Replacement	(incl. temporary supports, excavation)		CFT	\$375.00 /CFT	
Substructure Horizontal Surface Sealer			SYD	\$75.00 /SYD	
Temporary Supports	(add Structural Steel Repair - Stiffener for ea steel beam)		EA	\$4,000.00 EA	
MISCELLANEOUS					
Articulating Concrete Block System (ACB)			SYD	\$320.00 /SYD	
Concrete Surface Coating			SYD	\$47.00 /SYD	
Culvert Cleanout			FT	\$125.00 /FT	
Epoxy Crack Injection	(structural crack repair)		FT	\$70.00 /FT	
Metal Mesh Panels	(48" width, max 6'-6" length)		SFT	\$28.00 /SFT	
Pressure Relief Joint	(use when approach concrete roadway exceeds 1,000ft)		FT	\$110.00 /FT	
Riprap	(assume 10ft distance around perimeter of substructure)		SYD	\$275.00 /SYD	
Silane Treatment	(penetrating sealer for concrete surfaces)		SFT	\$7.00 /SFT	
Slope Protection Repairs			SYD	\$150.00 /SYD	
Other (Aesthetics - proposed structure will have precast conc arches on sides to match existing bridge)		1.0	LSUM	\$55,000.00 LSUM	\$55,000.00

STRUCTURE CONSTRUCTION BUDGET \$1,958,220

ROAD WORK					
Approach Pavement, 12" RC	(incl. removal; add curb, gutter, guardrail) 40' ea. end	160.0	SYD	\$230.00 /SYD	\$36,800.00
Approach Curb & Gutter	(incl. removal) 40' ea. quadrant	80.0	FT	\$57.00 /FT	\$4,560.00
Approach Sidewalk	(each quadrant)	222.2	SYD	\$25.00 /SYD	\$5,555.56
Guardrail Anchorage to Bridge	(each quadrant)	4.0	EA	\$2,540.00 /EA	\$10,160.00
Guardrail	(incl. removal) < 200ft beyond reference line		FT	\$41.00 /FT	
Guardrail Terminal	(each quadrant)	4.0	EA	\$3,900.00 /EA	\$15,600.00
Roadway Approach Work	(beyond approach pavement)	1.0	LSUM	\$125,000.00 LSUM	\$125,000.00
Utilities			LSUM		

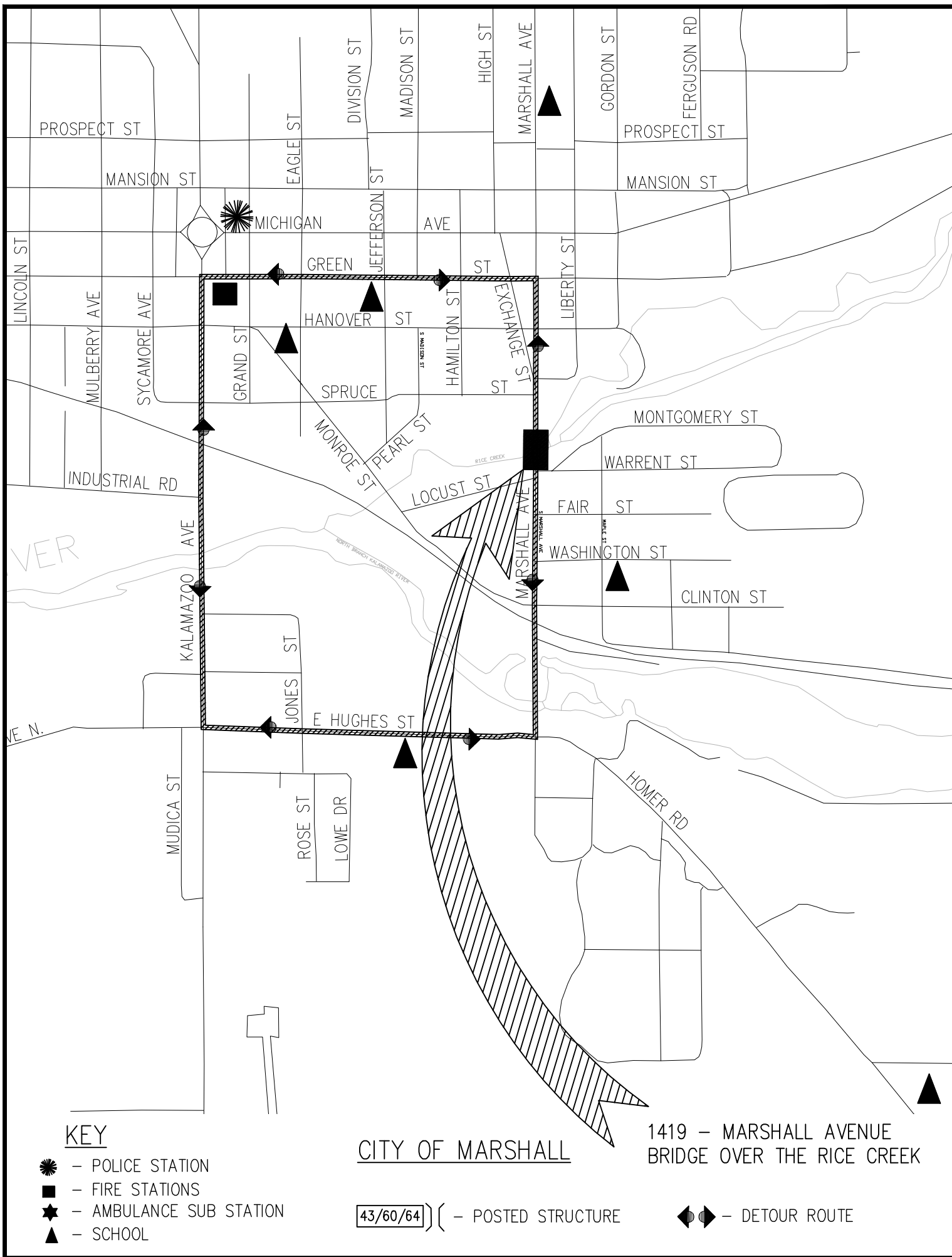
TRAFFIC CONTROL Unit Cost to be determined by Region or TSC Traffic & Safety					
Part Width Construction			LSUM		
Crossovers			EA	/EA	
Temporary Traffic Signals			set	/set	
RR Flagging			LSUM	LSUM	
Detour		1.0	LSUM	\$25,000.00 LSUM	\$25,000.00

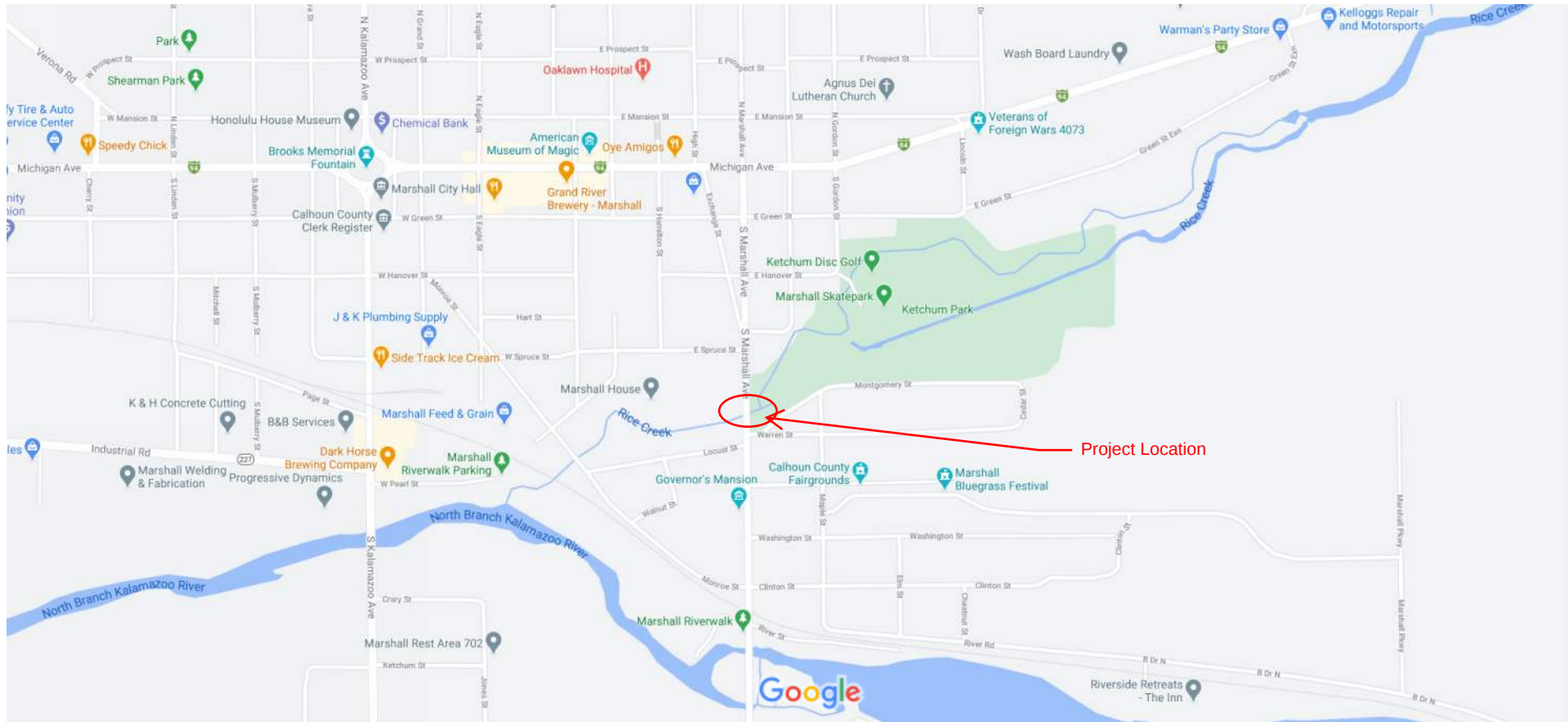
RELATED ROAD/TRAFFIC CONSTRUCTION BUDGET \$222,676

CONTINGENCY	(10% - 20%) (use higher contingency for small projects)	10	%	\$2,181,000.00	\$218,000
MOBILIZATION	(estimate at 10%)	10	%	\$2,399,000.00	\$240,000
INFLATION	(assume 4% per year, beginning in 2024)	12	%	\$2,639,000.00	\$317,000

(Does not include PE or CE)
 (Refer to programming guidelines in Bridge Cost Estimating Worksheet-Key for CE, PE & PE-S)

TOTAL CONSTRUCTION BUDGET	\$2,956,000
CON BUDGET	\$2,956,000
PE BUDGET	\$0
PE-S BUDGET	\$0





Map data ©2021 500 ft

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



NBI INSPECTION

SB7P

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
James Brock	ROWE Professional Services Company	24	07/03/2021

GENERAL NOTES

Established directions: Marshall Ave N/S, Rice Creek E/W

DECK

07/17 07/19 07/21

1. Surface (SIA-58A)	7	7	6	HMA surface. Open transverse cracking along reference lines. Southern half of structure has newer HMA, no deficiencies noted. Northern half of structure: (3) transverse cracks up to 1/4" wide with longitudinal finger cracking. Longitudinal crack along centerline of structure. (07/21) The HMA wearing surface, southern portion has been recently re-paved has transverse cracking across the width of the roadway along the south reference line, center of the center span (portions are sealed), and north reference line (portions are sealed). Portions of the longitudinal cracks along the centerline of the roadway and northbound lanes have been sealed. South reference line cracks have not been sealed. Pavement surface extends through the gutter. (07/19) The HMA wearing surface has transverse cracking across the width of the roadway along the south reference line, center of the center span (portions are sealed), and north reference line (portions are sealed). Portions of the longitudinal cracks along the centerline of the roadway and northbound lanes have been sealed. South reference line cracks have not been sealed. Pavement surface extends through the gutter. (07/17)
2. Expansion Joints	N	N	N	None noted. (07/21) (07/19) (07/17)
3. Other Joints	7	7	6	Mortar between blocks is beginning to crumble along west rail along the bottom. (07/21) Mortar joints are in good condition with minor deterioration. (07/19) Mortar joints are in good condition with minor deterioration. (07/17)
4. Railings	5	5	5	Masonry block parapet bridge railing along both sides of the bridge. Approximately 25' of the stone railing along the west rail has been replaced with thrie beam, thrie beam is attached to metal plate that is anchored into the west headwall. The bottom course of blocks and mortar along each of the rails show signs of weathering and recessing of the block face along the entire length of west railing and along north end and intermittently along east railing. The bottom of the railings are lined with sand and debris. The east railing has vertical cracks through blocks and mortar. (07/21) Masonry block parapet bridge railings exist along both sides of the bridge. Large portion of western rail is missing with concrete temporary barriers placed on the sidewalk and temporary wooden railing in the missing portion of railing to keep pedestrian traffic open. The bottom course of blocks along each of the rails show signs of weathering and recessing of the block face, along entire length of west railing and along north span and intermittently along east railing. The bottom of the railings are lined with sand and debris. The mortar joints around the bottom course of block show signs of deterioration along both rails. The east railing has vertical cracks through blocks and mortar. (07/19) Masonry block parapet bridge railings exist along both sides of the bridge. The bottom course of blocks along each of the rails show signs of weathering and recessing of the block face, along entire length of west railing and along north span and intermittently along east railing. The bottom of the railings are lined with sand and debris. The mortar joints around the bottom course of block show signs of deterioration along both rails. The east railing has vertical cracks through blocks and mortar. (07/17)

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)	
Feature	Length / Width / Spans	Owner		
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures	

5. Sidewalks or Curbs	6	6	6	Raised concrete sidewalk on both sides of structure. Approximately 25' of sidewalk has been replaced along the southern half of structure on both sides. Minor vegetation growth between sidewalk joints and back of curb. Transverse cracking up to 1/16" wide, 3-4" in length, is noted along the face of curbs. (07/21) Raised concrete sidewalk on both sides. 20' has been replaced in the southern half. Minor vegetation growth exists between sidewalk joints and back of curb. Transverse cracking, 3-4" in length, is noted along the face of curb. (07/19) 1/4" transverse crack with spall along east sidewalk over crown of center span. Minor vegetation growth exists between sidewalk joints and back of curb. Transverse cracking, 3-4" in length, is noted along the face of curb. Differential settlement between bridge sidewalk and approach sidewalk at SW by 1.5" and at SE by 3.5". (07/17)
6. Deck Bottom Surface (SIA-58B)	N	N	N	Earth filled arch bridge and therefore no deck exists. (07/21) The structure is a filled arch bridge and therefore no deck exists. (07/19) The structure is a filled arch bridge and therefore no deck exists. (07/17)
7. Deck (SIA-58)	N	N	N	Earth filled arch bridge and therefore no deck exists. (07/21) The structure is a filled arch bridge and therefore no deck exists. (07/19) The structure is a filled arch bridge and therefore no deck exists. (07/17)
8. Drainage				Off structure to catch basins along curbs in all four quadrants of structure. (07/21) Roadway drainage structures along north and south approaches function adequately with no signs of standing water. (07/19) Roadway drainage structures along north and south approaches function adequately with no signs of standing water. SE inlet has vegetation. (07/17)

SUPERSTRUCTURE

	07/17	07/19	07/21	
9. Stringer (SIA-59)	7	7	6	(3) Arches with mortar linings. Arch 1S: Headwalls have been repaired with steel plates on the outside with steel tension rods used to keep sides stable. The upstream end of the arch is blocked with heavy riprap and concrete pieces. Both footings are exposed within the arch. No flow is present. Heavy hairline map cracking and moisture stains noted throughout the inside of arch, mostly near top of arch. Arch 2S: Hairline map cracking with leaching and efflorescence noted along the top portion of arch. Previous rusted STS locations have been patched and sealed. The footings are exposed, but protected with grouted riprap. Arch 3S: Minor hairline map cracking along top portion of arch. Both footings exposed, up to 3' of footing face exposed along the north footing. Riprap protects the south footing. (07/21) Arches are covered in mortar. The southern arch span has been repaired with steel plates on the outside and tension rods used to keep sides stable. The upstream end of the south arch is blocked and the south ring footing is exposed. Heavy hairline map cracking and moisture in the south arch ring. Cracks and moisture are along the entire width of the span. The middle arch has some hairline map cracking with leaching and efflorescence. Previous rusted STS locations have been patched and sealed. The footing is exposed, but protected with grouted riprap. The north arch ring has the fewest hairline cracks with minor spalls along the east arch ring with evidence of moisture. Moisture is present along the arch/footing interfaces. (07/19) Arches are covered in mortar. The upstream end of the south arch is blocked and the south ring footing is exposed. Heavy hairline map cracking and moisture in the south arch ring. Cracks and moisture are along the entire width of the span. The middle arch has some hairline map cracking with leaching and efflorescence. Rusty rebar is exposed in 4 locations. The footing is exposed, but protected with grouted riprap. The north arch ring has the fewest hairline cracks with minor spalls along the east arch ring with evidence of moisture. Moisture is present along the arch/footing interfaces. (07/17)
10. Paint (SIA-59A)	N	N	N	N/A. (07/21) (07/19) (07/17)
11. Section Loss	N	N	N	N/A. (07/21) (07/19) (07/17)

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



12. Bearings N N N N/A. (07/21)
(07/19)
(07/17)

SUBSTRUCTURE

07/17 07/19 07/21

13. Abutments (SIA-60)	6	6	6	Stems of arches act as abutments. The west wingwalls are the original stone faces covered with mortar and have minor map cracking and leaching. The top of the SW wingwall has been repaired with concrete and exhibits few hairline cracks. The NW wingwall has cracks in the mortar with leaching under the outlet pipe. The SE and NE wingwalls are stone filled. (07/21) Stems of arches act as abutments. The west wingwalls are the original stone faces covered with mortar and have minor map cracking and leaching. The top of the SW wingwall has been repaired along the top with concrete and has few hairline cracks. The NW wingwall has cracks in the mortar with leaching under the outlet pipe. The SE and NE wingwalls are stone filled. (07/19) The west wingwalls are the original stone faces covered with mortar and have minor map cracking and leaching. The top of the SW wingwall has been repaired along the top with concrete and has few hairline cracks. The NW wingwall has cracks in the mortar with leaching under the outlet pipe. The SE and NE wingwalls are stone filled. (07/17)
14. Piers (SIA-60)	6	6	6	Concrete footings extend above grade to act as piers. North pier and the north side of the south pier are well protected with grouted riprap. There is abrasion and small spalls along the south side of the south pier. Vegetation growth exists at pier ends. South pier and arch ring has been plated and post-tensioned to support the structure. The north footing along arch 3S is exposed up 3' at the west end. Heavy water flow along the north footing of arch 3S. (07/21) Concrete footings extend above grade to act as piers. North pier and the north side of the south pier are well protected with grouted riprap. There is abrasion and small spalls along the south side of the south pier. Vegetation growth exists at pier ends. South pier and arch ring has been plated and post-tensioned to support the structure. (07/19) North pier and the north side of the south pier are well protected with grouted riprap. There is abrasion and small spalls along the south side of the south pier. Vegetation growth exists at pier ends. (07/17)
15. Slope Protection	4	N	N	Over water. (07/21) Over water (07/19) Heavy erosion is present under the slope protection at the south and north wingwalls. The NE quadrant has no slope protection but is heavily vegetated. The NW slope has small, scattered stones, steep slopes and exposed tree roots. The SW quadrant has several fallen trees and the bank is eroded back. Only trees, roots, and small stones protect the steep slope. The SE slope is protected by slabs of concrete forming a partial wall along the upstream bank. (07/17)
16. Channel (SIA-61)	6	6	6	The upstream face of the south arch is intentionally completely blocked. Grouted riprap protection along both piers exists to the top of the pier footing and functioning adequately. No riprap at base of north abutment exists. Up to 3' of footing face exposed at west end. Moisture under south span indicates during high flow, water may back up into the span from the downstream end. (07/21) The upstream face of the south arch is intentionally completely blocked. Grouted riprap protection along both piers exists to the top of the pier footing and functioning adequately. No riprap at base of north abutment exists. No scour holes were found. Moisture under south span indicates during high flow, water may back up into the span from the downstream end. (07/19) The upstream face of the south arch is intentionally completely blocked. Grouted riprap protection along both piers exists to the top of the pier footing and functioning adequately. No riprap at base of north abutment exists. No scour holes were found. Moisture under south span indicates during high flow, water may back up into the span from the downstream end. (07/17)

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)	
Feature	Length / Width / Spans	Owner		
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures	

17. Scour Inspection	7	7	4	The pier footings are protected with grouted riprap. The south abutment footing has no flow adjacent to the footing. The north abutment footing has no scour protection. No scour holes were found along the length of the north abutment, up to 3' of footing exposed along entire length of footing. Heavy erosion is present under the slope protection at the south and north wingwalls. The NE quadrant has no slope protection but is heavily vegetated. The NW slope has small, scattered stones, steep slopes and exposed tree roots. The SW quadrant has several fallen trees and the bank is eroded back. Only trees, roots, and small stones protect the steep slope. The SE slope is protected by slabs of concrete forming a partial wall along the upstream bank. (07/21) The pier footings are protected with grouted riprap. The south abutment footing has no flow adjacent to the footing. The north abutment footing has no scour protection. No scour holes were found along the length of the north abutment. Heavy erosion is present under the slope protection at the south and north wingwalls. The NE quadrant has no slope protection but is heavily vegetated. The NW slope has small, scattered stones, steep slopes and exposed tree roots. The SW quadrant has several fallen trees and the bank is eroded back. Only trees, roots, and small stones protect the steep slope. The SE slope is protected by slabs of concrete forming a partial wall along the upstream bank. (07/19) The pier footings are protected with grouted riprap. The south abutment footing has no flow adjacent to the footing. The north abutment footing has no scour protection. No scour holes were found along the length of the north abutment. (07/17)
-----------------------------	---	---	---	---

APPROACH

	07/17	07/19	07/21	
18. Approach Pavement	6	6	5	HMA approaches. Approximately 5% of HMA approaches exhibit deterioration. South approach: heavy random cracking throughout. North approach: moderate transverse and longitudinal cracking throughout. (07/21) HMA approach pavement has cracking, some have been sealed. Heaviest cracking along NB east wheel line on north approach. No patches or spalls are present. (07/19) HMA approach pavement has cracking, some have been sealed. Heaviest cracking along NB east wheel line on north approach. No patches or spalls are present. (07/17)
19. Approach Shoulders Sidewalks	6	6	5	Concrete curb and gutter with sidewalk in the SEQ, SWQ, and NWQ. No sidewalk approaches in the NEQ. Up to 3/4" of settlement along the sidewalk in the SWQ. Back of curb exposed in the SWQ. (07/21) No sidewalk along east side, north of bridge. The back of curb is exposed in the SW quadrant. (07/19) Differential elevation between bridge sidewalk and approach sidewalk at SW by 1.5" and at SE by 3.5". Differential elevation between sidewalk and curb behind drainage structure. No sidewalk along east side, north of bridge. Uneven surface at the southeast walk at removed utility pole location. The back of curb is exposed in the SW quadrant. (07/17)
20. Approach Slopes				Stable well vegetated slopes with mowed grass and dense vegetation. (07/21) The approach slopes are vegetated and stable. (07/19) The approach slopes are vegetated and stable. (07/17)
21. Utilities				There are overhead lines along the east and west sides of road. There are utility poles in the NW, NE, and SW quadrants of the bridge in the grass area between the curb and the sidewalk. (07/21) There are overhead lines along the east and west sides of road. There are utility poles in the NW, NE, and SW quadrants of the bridge in the grass area between the curb and the sidewalk. There are no signs of vehicular hits on any of the poles. (07/19) There are overhead lines along the east and west sides of road. There are utility poles in the NW, NE, and SW quadrants of the bridge in the grass area between the curb and the sidewalk. There are no signs of vehicular hits on any of the poles. (07/17)
22. Drainage Culverts				(1) 12" dia metal pipe exiting the SW wing wall NW wing wall. (07/21) (07/19) (07/17)

MISCELLANEOUS

Guard Rail	Other Items
-------------------	--------------------

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



<u>Item</u>	<u>Rating</u>	<u>Item</u>	<u>Rating</u>
36A. Bridge Railings	1	71. Water Adequacy	8
36B. Transitions	0	72. Approach Alignment	9
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)

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

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



SUPPORTING IMAGES

SB7P 07/03/2021



Document Name: 736351B3-24EC-4D3A-8086-16B488B7EF8A.jpeg

Category: Elevation

Span Number:

Comments: West elevation



Document Name: BB555F91-BEC3-4B51-AD7C-92BD7C837D12.jpeg

Category: Elevation

Span Number:

Comments: East elevation



Document Name: 32846AB4-7E94-4ABC-BF0E-0E2AD7C77946.jpeg

Category: Approach

Span Number:

Comments: South HMA approach



Document Name: 8A580D06-9B5C-48F7-AB30-B13FB362F795.jpeg

Category: Approach

Span Number:

Comments: Sidewalk approach in SWQ

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Document Name: B54E085D-E83C-4D0F-8A8B-36C01FD6A7A5.jpeg

Category: Approach

Span Number:

Comments: North HMA approach



Document Name: 52DCBE88-A2D0-4202-AE2B-72DB31D71EC4.jpeg

Category: Railing

Span Number:

Comments: Block and mortar railing, typical



Document Name: 776AF361-96CA-455B-BD10-B72100CD4862.jpeg

Category: Railing

Span Number:

Comments: Typical deterioration along bottom of rail, west rail



Document Name: D52C3F54-3E3E-4679-8B2A-096746B20302.jpeg

Category: Railing

Span Number:

Comments: Thrie beam guardrail repair along west rail.

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Document Name: 83B7E92D-50E3-409B-97EF-8F9CB1CE7A2C.jpeg

Category: Deck

Span Number:

Comments: Looking south over structure



Document Name: 9378594B-AEF7-42F6-B332-07E0A339B6CC.jpeg

Category: Deck

Span Number:

Comments: Looking north over structure



Document Name: 2D581E79-E068-4255-9599-D429A8EE60CA.jpeg

Category: Superstructure

Span Number:

Comments: South arch



Document Name: 7D146843-5E76-464A-B0DF-52991BBA181B.jpeg

Category: Superstructure

Span Number:

Comments: Middle arch

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Document Name: A2644E09-A736-4521-A944-960C0FF17039.jpeg

Category: Superstructure

Span Number:

Comments: North arch



Document Name: F15DD0ED-A89B-4358-A2E5-F4A54E60F8BE.jpeg

Category: Superstructure

Span Number:

Comments: Middle arch.



Document Name: 7D01DE45-8187-4D7D-815C-27F468B21962.jpeg

Category: Channel

Span Number:

Comments: Looking west off structure



Document Name: 9652D64B-826D-4E98-BED7-B70705773BA2.jpeg

Category: Channel

Span Number:

Comments: Heavy flow through middle arch

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

BRIDGE SAFETY INSPECTION REPORT

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Document Name: D9E93D42-23D0-46B0-AE3A-3AC742A0BB27.jpeg

Category: Channel

Span Number:

Comments: Looking east off structure

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

STRUCTURE INVENTORY AND APPRAISAL

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Bridge History, Type, Materials		Route Carried By Structure(ON Record)		Route Under Structure (UNDER Record)	
27 - Year Built	1899	5A - Record Type	1	5A - Record Type	
106 - Year Reconstructed	1995	5B - Route Signing	5	5B - Route Signing	
202 - Year Painted		5C - Level of Service	0	5C - Level of Service	
203 - Year Overlay		5D - Route Number	00000	5D - Route Number	
43 - Main Span Bridge Type	8 11	5E - Direction Suffix	0	5E - Direction Suffix	
44 - Appr Span Bridge Type		10L - Best 3m Unclr-Lt	0 0	10L - Best 3m Unclr-Lt	
77 - Steel Type	0	10R - Best 3m Unclr-Rt	99 99	10R - Best 3m Unclr-Rt	
78 - Paint Type	0	PR Number		PR Number	
79 - Rail Type	9	Control Section		Control Section	
80 - Post Type		11 - Mile Point	0	11 - Mile Point	
107 - Deck Type	N	12 - Base Highway Network	0	12 - Base Highway Network	
108A - Wearing Surface	6	13 - LRS Route-Subroute	0000013013 02	13 - LRS Route-Subroute	
108B - Membrane	0	19 - Detour Length	2	19 - Detour Length	
108C - Deck Protection	0	20 - Toll Facility	3	20 - Toll Facility	
Structure Dimensions		26 - Functional Class	17	26 - Functional Class	
34 - Skew	0	28A - Lanes On	2	28B - Lanes Under	
35 - Struct Flared	0	29 - ADT	1853	29 - ADT	
45 - Num Main Spans	3	30 - Year of ADT	2005	30 - Year of ADT	
46 - Num Apprs Spans	0	32 - Appr Roadway Width	30.8	42B - Service Type Under	5
48 - Max Span Length	24.9	32A/B - Ap Pvt Type/Width	5 31	47L - Left Horizontal Clear	
49 - Structure Length	82	42A - Service Type On	5	47R - Right Horizontal Clear	
50A - Width Left Curb/SW	4.3	47L - Left Horizontal Clear	0.0	54A - Left Feature	
50B - Width Right Curb/SW	5.9	47R - Right Horizontal Clear	30.8	54B - Left Underclearance	99 99
33 - Median	0	53 - Min Vert Clr Ov Deck	99 99	54C - Right Feature	
51 - Width Curb to Curb	30.8	100 - STRAHNET	0	54D - Right Clearance	99 99
52 - Width Out to Out	43	102 - Traffic Direct	2	Under Clearance Year	
112 - NBIS Length	Y	109 - Truck %	1	55A - Reference Feature	N
Inspection Data		110 - Truck Network	0	55B - Right Horiz Clearance	99.9
90 - Inspection Date	07/03/2021	114 - Future ADT	1943	56 - Left Horiz Clearance	0
91 - Inspection Freq	24	115 - Year Future ADT	2025	100 - STRAHNET	
92A - Frac Crit Req/Freq	N	Freeway	0	102 - Traffic Direct	
93A - Frac Crit Insp Date		Structure Appraisal		109 - Truck %	
92B - Und Water Req/Freq	N	36A - Bridge Railing	1	110 - Truck Network	
93B - Und Water Insp Date		36B - Rail Transition	0	114 - Future ADT	
92C - Oth Spec Insp Req/Freq	N	36C - Approach Rail	1	115 - Year Future ADT	
93C - Oth Spec Insp Date		36D - Rail Termination	1	Freeway	
92D - Fatigue Req/Freq	N	67 - Structure Evaluation	6	Proposed Improvements	
93D - Fatigue Insp Date		68 - Deck Geometry	5	75 - Type of Work	
176A - Und Water Insp Method	1	69 - Underclearance	N	76 - Length of Improvement	
58 - Deck Rating	N	71 - Waterway Adequacy	8	94 - Bridge Cost	
58A/B - Deck Surface/Bottom	6 N	72 - Approach Alignment	9	95 - Roadway Cost	
59 - Superstructure Rating	6	103 - Temporary Structure		96 - Total Cost	
59A - Paint Rating	N	113 - Scour Criticality	7	97 - Year of Cost Estimate	
60 - Substructure Rating	6	Miscellaneous		Load Rating and Posting	
61 - Channel Rating	6	37 - Historical Significance	1	31 - Design Load	0
62 - Culvert Rating	N	98A - Border Bridge State		41 - Open, Posted, Closed	A
Navigation Data		98B - Border Bridge %		63 - Fed Oper Rtg Method	6
38 - Navigation Control	0	101 - Parallel Structure	N	64F - Fed Oper Rtg Load	3.5
39 - Vertical Clearance	0	EPA ID		64MA - Mich Oper Rtg Method	6
40 - Horizontal Clearance	0	Stay in Place Forms		64MB - Mich Oper Rtg	1.92
111 - Pier Protection		143 - Pin & Hanger Code	1	64MC - Mich Oper Truck	17
116 - Lift Brdg Vert Clear		148 - No. of Pin & Hangers		65 - Inv Rtg Method	6
				66 - Inventory Load	2.1
				70 - Posting	5
				141 - Posted Loading	
				193 - Overload Class	N

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

WORK RECOMMENDATIONS

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



WORK RECOMMENDATIONS

SB7P

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
James Brock	ROWE Professional Services Company	24	07/03/2021

RECOMMENDATIONS & ACTION ITEMS

Recommendation Type	Priority	Description
Scour Repair	H	Add riprap as slope protection along the north footing of Arch 3S. (19) (21)
Railing Repair	M	Replace masonry blocks and repoint joints at base of masonry block bridge railings. Seal the bridge railings to prevent future deterioration. (19) (21)
Seal Cracks	L	Seal HMA cracks. (19) (21)
Other	H	Replace portions of the approach sidewalk in the SW quadrant where settlement at reference line creates a tripping hazard. (19) (21)

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

LOAD RATING ASSUMPTIONS

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Rating Considers Field Condition of Members: Yes **Inspection Date:** 07/22/2011

Deterioration:

The structure is in good condition. No deterioration noted on exposed stone wingwalls. The arches have been covered in mortar. Because the stone arch face is not exposed, there are hairline cracks and some locations with moisture, a 10% reduction was taken to be conservative.

Most Recent Year Construct / Reconstruct / Overlay: 1995

History of Work Impacting Load Rating:

The structure is a three-span stone arch. Structure was rehabilitated in 1995 which included replacing stone masonry and tuckpointing.

Superstructure Component: 8 Masonry **Beam fy:** ksi **Beam f'c / fb:** ksi

Composite: No **Number of Beams:** **Shop Drawings Verified:** No

Beam Size(s) & Names (each span): The structure is a three-span stone arch with Marshall sandstone.

Deck: **Thickness (in.):** **Fy / f'c:** / ksi **Deck Design Load > H15:** No

Wearing Surface: **Mat'l:** Asphalt **Thickness (in.):** 8.0 **Unit Weight (pcf.):** 145.0

	LEFT	CENTER	RIGHT
Barrier: Type / Weight (plf.):	Stone / 300.0	/	Stone / 300.0
Sidewalk: Width / Thick (in.):	54.0 / 4.0	/	54.0 / 4.0

Clear Roadway (ft.): 31.0

Additional Loads:

Earth load between asphalt and arch.

Unique Factors That Affect Capacity:

Because the structure is a stone arch, load factor rating was used to check the compressive strength only. The compressive strength for soft sandstone is between 725psi and 1450psi. To be conservative, use an original compressive strength of 725psi was reduced by 10%.

Analyzed By: Paul D. Izzo

Date: 09/05/2013

MICHIGAN DEPARTMENT OF TRANSPORTATION

STR 1419

LOAD RATING SUMMARY

Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition
MARSHALL AVENUE	42.2673 / -84.9542	134422800063B01	Fair Condition(6)
Feature	Length / Width / Spans	Owner	
RICE CREEK	82 / 43 / 3	City: MARSHALL(4228)	
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status
MARSHALL MICHIGAN	1899 / 1995 / /	Marshall(19)	A Open, no restriction(A)
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation
Southwest(5) / Calhoun(13)	8 Masonry / 11 Arch- Deck, Filled Sp	07/03/2021 / SB7P	7 Countermeasures



Compliance Issue: None
Compliance Verified: No
Analysis Program: Other
Analysis Program Version: STAAD ProV8i and Hand Calculations
Rating Considers Field Condition of Members: Yes **Inspection Date:** 07/22/2011
Controlling component and failure mode:

Because the structure is a stone arch, only compressive strength was checked.

NEW INVENTORY CODING

NBI Item 63 - Operating Rating Method	6 LFR in Rating Factor
NBI Item 64F - Federal Operating Ratings	3.5
MDOT Item 64MA - Michigan Operating Method	6 LFR in Rating Factor
MDOT Item 64MB - Michigan Operating Rating	1.92
MDOT Item 64MC - Michigan Operating Truck	17
NBI Item 65 - Inventory Rating Method	6 LFR in Rating Factor
NBI Item 66 - Federal Inventory Rating	2.1
NBI Item 41 - Structure Open Posted Closed	A A Open, no restriction
NBI Item 70 - Bridge Posting	5 5 - 100% or more
Posted By	No Posting
MDOT Item 141 - Posted Loading	
MDOT Item 193A - Michigan Overload Class	
MDOT Item 193C - Overload Status	N-No Restriction
Analyzed By: Paul D. Izzo	Date: 09/05/2013
Checked By: Talia N. Belill, P.E.	Date: 09/09/2013



Steel Plate on west headwall of Marshall Avenue Bridge



Upstream elevation, south culvert blocked, steel plate repair



Railing repairs



Cracks in wearing surface



Cracks in bottom of arch



Cracks with efflorescence in bottom of arch



Riprap at arches



Upstream face of the south arch intentionally blocked



Debris in stream



Steel Plate repair on east headwall



Deterioration along bottom of railing allowing infiltration along headwalls



Settlement of sidewalk

**RESOLUTION 2023-09 FOR S. MARSHALL AVENUE BRIDGE REPLACEMENT
THROUGH THE LOCAL BRIDGE PROGRAM**

WHERE AS, the City of Marshall is preparing a Local Bridge Program Funding Application for the replacement of the S. Marshall Avenue Bridge over Rice Creek, and

WHERE AS, the City of Marshall may be eligible for a maximum of up to 95 percent participation from Federal and/or State sources, and

WHERE AS, the condition of the bridge listed below has deteriorated to such an extent that replacement is necessary and

WHERE AS, the budget of the City of Marshall will not allow replacement of this bridge without additional funds from other sources.

THEREFORE, BE IT NOW RESOLVED that the City of Marshall request local bridge program funds for replacement of the S. Marshall Avenue over the Rice Creek Bridge for the year 2026.

IN TESTIMONY WHEREOF, I have herunto set my hand affixed seal of said City of Marshall, this the _____ day of _____ A.D., 2023.

AYES:

NAYS:

RESOLUTION DECLARED ADOPTED.

I hereby certify that the foregoing constitutes a true and complete copy of a resolution adopted by the City Council of the City of Marshall, County of Calhoun, Michigan at a regular meeting held on April 3, 2023.

Clerk



ITEM 12.B

TO: Honorable Mayor and City Council
FROM: Derek N. Perry, City Manager
Marguerite Davenport, Director of Public Services
Alec Egnatuk, Wastewater Superintendent
DATE: March 20, 2023
SUBJECT: **WASTEWATER TREATMENT PLANT CLARIFIER REHABILITATION**

In the Fall of 2020, an RFP for equipment to rehabilitate the two primary and two secondary clarifiers at the Wastewater Treatment Plant was issued. The plan was to rehabilitate one primary and one secondary clarifier during the summer of 2021 (Phase 1) and the remaining two clarifiers during the summer of 2023 (Phase 2). Initial estimates for both phases of the project were \$1.3 million. During capital planning and the fund's rate study, the decision was made to utilize fund reserves and spread the project costs over four fiscal years. The equipment bidders were asked to include an escalation factor for the Phase 2 equipment purchase in 2023. These escalation factors ranged from 3% to 20%. While WesTech was not the low bidder, Wastewater Staff preferred their design over the low bidder, Ovivo, and a contract was awarded to Westech, in the amount of \$313,171, for the Phase 1 clarifier equipment on January 4, 2021.

On April 19, 2021, City Council approved a Phase 1 construction contract to LD Docsa for the installation of the clarifier equipment and improvements to the site surrounding the clarifiers. LD Docsa's \$407,000 bid was the lowest by about 30%. Due to unforeseen delays with shipping, the equipment installation was completed in December 2021 and sitework was completed in Spring 2022.

Today, the remaining two clarifiers still need to be rehabilitated per Phase 2 plans. Staff opened communications with WesTech to begin planning for the Phase 2 equipment purchase in Fall 2022 and was informed that WesTech would not be able to honor their 5% escalation. Steel prices had risen substantially from December 2020 to September 2022 and with steel being about 70% of the production costs, the total price rose to \$497,009 (a 59% increase). Stantec reached out to the low equipment bidder, Ovivo, to gauge the accuracy of the proposed increase. Ovivo indicated they too had experienced a dramatic increase in costs and their product would now be more expensive than WesTech's updated price. Along with Stantec, City Staff negotiated with WesTech to lower the price to \$434,586 (a 39% increase). One major factor in reducing the price was moving the final painting from the equipment contract to the construction contract. Staff anticipated some savings from the original construction costs as sitework completed during Phase 1 was not needed again in Phase 2. Stantec reached out to LD Docsa for an updated construction price since they had completed Phase 1 satisfactorily. LD Docsa was instructed to include final painting of the installed equipment and quoted a price of

\$357,526 to complete the installation of the equipment in Phase 2.

Phase 2 costs are as follows:

Construction Component	Amount	Budget Year	Budget Amount
Equipment (Westech)	\$434,586	FY23	\$400,000
Construction/Installation (LD Docsa)	\$357,526	FY24	\$425,000
Contingency	\$44,000	FY23	\$75,000
Construction Engineering	\$35,500		
Total	\$871,609		\$900,000

FY2023 and 2024 capital budgets include \$400,000 and \$425,000, respectively, for the clarifier project, as well as \$75,000 (FY23) for land acquisition for future expansion for the WWTP to the north. Staff determined the available land north of the WWTP is not suitable for expansion and will not utilize the approved funds this year for that purpose. Staff recommends reallocating the \$75,000 to the clarifier project, which brings the funding for the clarifier project to \$900,000. Staff understand that the FY 2024 budget is not yet approved by City Council and will be asking for the construction contract with LD Docsa to be approved after the FY 24 budget is approved. LD Docsa has committed to the project and planned construction for fall because the Clarifier equipment will take 28+ weeks to arrive, which will result in construction and installation of the equipment in the fall of 2023 and possibly the spring of 2024.

In addition, the project will require construction engineering services from Stantec in the amount of \$35,500 and authorization is requested now so that submittals and approvals with Westech for the manufacturing of equipment can be processed. Both the equipment costs and construction engineering cost, although authorized in FY 23, will carry over into FY 24.

BUDGET IMPACT:

Equipment and construction engineering costs totaling \$470,086 will be funded by the Wastewater Departments Capital Outlay Line 590-900-970.

RECOMMENDATION:

Approve the equipment purchase contract with Westech in the amount of \$434,586 and the construction engineering amount, to be executed under the City's Master Service Agreement with Stantec, in the amount of \$35,500.

Commercial Proposal

Proposal Name: Marshall WWTP Clarifier Rehabilitation

Proposal Number: 2260405A

Tuesday, January 24, 2023

1. Bidder's Contact Information

Company Name	WesTech Engineering, Inc.
Primary Contact Name	Tom Dumbaugh
Phone	801.265.1000
Email	tdumbaugh@westech-inc.com
Address: Number/Street	3665 S West Temple
Address: City, State, Zip	Salt Lake City, UT 84115

2. Firm Pricing

Currency: US Dollars

Scope of Supply

A	(1) 60' Diameter Clarifier Mechanisms Model COPC2	\$197,680
B	(1) 60' Diameter Clarifier Mechanisms Model COPC1G	\$236,906
	Taxes (sales, use, VAT, IVA, IGV, duties, import fees, etc.)	Not Included

Prices are valid for a period not to exceed 30 days from date of proposal.

Additional Field Service

Daily Rate (Applicable Only to Field Service Not Included in Scope)	\$1,200
---	---------

Pricing does not include field service unless noted in scope of supply, but is available at the daily rate plus expenses. The greater of a two week notice or visa procurement time is required prior to departure date. Our field service policy can be provided upon request for more details.

3. Payment Terms

Purchase Order Acceptance and Contract Execution	10%
Submittals Provided by WesTech	15%
Release for Fabrication	35%
Notification of Ready to Ship	40%

All payments are net 30 days. Partial shipments are allowed. An approved Letter of Credit is required if Incoterms CIF, CFR, DAP, CIP, or CPT are applicable. Payment is required in full for all other Incoterms prior to international shipment. Other terms per WesTech proforma invoice. Please note that the advising bank must be named as: Wells Fargo Bank, International Department, 9000 Flair Drive, 3rd Floor, El Monte, California 91731, USA.

4. Schedule

Submittals, after Purchase Order Acceptance and Contract Execution	8 to 10 weeks
Ready to Ship, after Receipt of Final Submittal Approval	20 to 22 weeks
Estimated Weeks to Ready to Ship	28 to 32 weeks*

*Customer submittal approval is typically required to proceed with equipment fabrication and is not accounted for in the schedule above. Project schedule will be extended to account for time associated with receipt of customer submittal approval.

5. Freight

Domestic	FOB Shipping Point - Full Freight Allowed to Jobsite (FSP-FFA)
----------	--



ITEM 12.C

TO: Honorable Mayor and City Council
FROM: Derek N. Perry, City Manager
Marguerite Davenport, Director of Public Services
Cody Hart, Farmer's Market Manager
DATE: March 20, 2023
SUBJECT: **MARSHALL AREA FARMERS MARKET ANNUAL UPDATE**

The Marshall Area Farmers Market had a successful 2022 outdoor season and continued the traditional indoor season at the BE Henry Building on South Marshall Avenue. In 2022 the market had the following stats:

- 81 unique vendors
- 26 vendors average weekend
- 750 customers average weekend
- 33 vendors at peak weekend
- 1062 customer at the peak weekend
- total market sales = \$200,000+
- total customers = 17,264

The market has a strong 2023 season planned with highlights including new programs and speakers series, improved access through bridge card, senior, and WIC Fresh Programs, as well as increased customer surveys and engagement. The summer market will return outdoors to City parking lot #11, located at 125 West Green Street, on May 6, 2023. The MAFM Board is working on relocating for the 6 week reconstruction of Green Street and Lot #10.

BUDGET IMPACT:
None

RECOMMENDATION:
Receive the Annual Update Report and Approve the use of City parking lot #11 for the 2023 Marshall Area Farmers Market starting on May 6, 2023.



2022 Summer Market

The Farmers' Market Board cultivates a commitment to offer quality goods in a friendly, easily accessible location. This will enrich our community through diverse product choices, social gathering and economic growth

In operation since 2002, the Marshall Area Farmers' Market is pleased to be an economic incubator for small businesses in the area as they bring fresh fruits and vegetables, meat and poultry, baked goods, plants and flowers, and more to Marshall's citizens and visitors to our historic city.

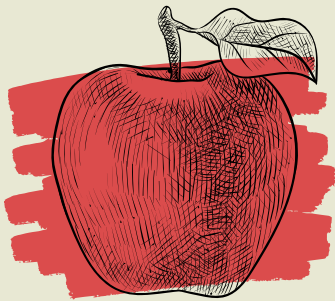


81 unique vendors at market

36 producers
18 growers
14 artisans
10 youth vendors
1 retailer
2 non profits



Peak season
33 vendors
1062 customers
\$12,000+ in sales



Total Market Sales* \$200,000

*based on 2/3 of vendors reporting
over 22 weeks



Average Saturday
26 vendors
750 customers



Total Customers in season* 17,264

*based on 22 weeks reporting

2 vendors opened storefronts in 2022





Looking ahead to 2023

Serving our community

A full season of having the ability to accept bridge cards as well as Senior and WIC Fresh Program vouchers

Community feedback

Utilize signage and surveys to interact more effectively with our customers and better determine their wants and needs from our Market.

Events and happenings

Food Trucks, holiday events, fundraisers, and coordinated efforts with other community events are all on our agenda for the next year!

Communication and marketing

Using all media and adding email as well, we will strive to ensure the community learns of all the Market has to offer.

Programs and speakers

Coordinating with other community resources, we will strive to offer classes and speakers at several Markets to better serve and educate our community.



Exciting new things coming to this years market:



children's
scavenger hunt

Partnering with the Marshall
public library for readings and to
host their Kindergarten dance
party

bringing in several food
trucks to various
markets

Awesome speaker
series partnering
with our local
garden club

Expanded celebration of
National Farmers Market
Week



ITEM 12.D

TO: Honorable Mayor and City Council
FROM: Derek N. Perry, City Manager
Joshua Lanker, Chief of Police
DATE: March 20, 2023
SUBJECT: **MARIHUANA ODOR ORDINANCE UPDATE- INTRO AND SET
PUBLIC HEARING**

Since the Michigan legalization of commercial cannabis in 2018, the regulations and laws regarding marihuana have continued to evolve and change. The City of Marshall continues to monitor these changes and to adjust our ordinances to address community and industry needs. The Marshall Police Department has been working with City Attorney David Revore and City Prosecutor John Sullivan to review, research, and update our Marihuana odor ordinance. During this time, we have received a growing number of marihuana odor complaints. In review of these complaints and in review of our odor ordinance, we found the established “reasonable odor” language may be interpreted as ambiguous as it lacked an objective standard.

In our research we found one of the most commonly used methods for measuring Marihuana smell is with a field olfactometer which provides an odor strength measurement on a set scale. One of the most common olfactometers used was found to be the Nasal Ranger meter by St. Croix Sensory. A Nasal Ranger device was purchased in November of 2021 to start assessing odors. Some preliminary work was conducted by Director McDonald before his retirement in February of 2022. Since this time, we have spent the last year reorganizing our code department, researching ordinances, policies, and testing the Nasal Ranger device to create a new Marihuana odor ordinance.

The proposed Marihuana Ordinance (2023-07) amends “reasonable person” standard to an objectionable standard. The proposed language is “An odor is per se objectionable if odor is detectable in the ambient air that is greater than a 7/1 dilution (D/T) threshold for two (2) samples not less than fifteen (15) minutes apart during a one-hour period measured by a field olfactometer device at the boundaries of the property as determined at the street right-of-way, or property line.” This 7/1 dilution threshold is an industry standard recognized by St. Croix Sensory.

The ordinance also sets the penalty for the violations as follows:

“Prosecution for Violation; Civil Penalty.

1) Any person or entity failing to comply with this Section shall be responsible for a municipal civil infraction or district court citation and shall be subject to a civil fine as follows: \$100.00 initial violation, \$250.00 second violation, and \$500.00 third (or any subsequent) violation. Municipal civil infraction violations are made payable at the City Municipal ordinance violation

bureau. Repeat violations are determined based on the date of the commission of the violation. Each day that a violation continues shall be deemed to be a separate offense.

2) In addition to the remedies described above, the City may institute the appropriate proceeding at law or in equity to restrain, correct, or abate such violation, including injunctive relief.

3) Jurisdiction for district court citations and legal action to enforce this Ordinance, the City Code, and state law, vest in the state courts of Calhoun County.”

With the approval of this ordinance, the Code Officer plans to use this process to address citizen complaints and complete regular odor inspections. The Code Officer will continue to monitor the odor enforcement process and will work with our commercial cannabis partners to gain compliance through odor mitigation plan updates.

BUDGET IMPACT:

The annual costs to maintain the Nasal Ranger olfactometer with testing, calibration, and software is \$2280 a year. The penalty for a violation is \$100, \$250, \$500. Although we are focused on compliance, citations may be issued as appropriate. The citation revenues are estimated to be below the cost of maintaining the device.

RECOMMENDATION:

To introduce and set a Public Hearing for Ordinance 2023-07.

**CITY OF MARSHALL
CALHOUN COUNTY, MICHIGAN**

ORDINANCE # 2023-07

PREAMBLE

AN ORDINANCE TO AMEND THE CITY OF MARSHALL MEDICAL MARIHUANA FACILITIES LICENSING ACT (MMFLA), ORDINANCE NO. 2017-06, AND COMMERCIAL MARIHUANA (MRTMA) ORDINANCE NO. 2019-06, AND CITY CODE OF ORDINANCES TO ESTABLISH PARAMETERS FOR THE PROHIBITION OF ODORS EMANATING FROM PROPERTIES, TO ESTABLISH PENALTIES FOR VIOLATIONS THEREOF; TO REPEAL ANY ORDINANCES IN CONFLICT THEREOF; AND TO PROVIDE AN EFFECTIVE DATE HEREOF.

THE CITY OF MARSHALL, CALHOUN COUNTY, HEREBY ORDAINS:

Section 1. Purpose. The purpose of this Ordinance is to amend City ordinances and the City Code of Ordinances to establish parameters for the prohibition of odors emanating from marihuana related facilities and marihuana establishments and to establish penalties for violations thereof.

It is the intent of this Ordinance to provide for the health, safety and welfare of persons in Marshall so that quality of life is not impaired, neighborhood character is preserved, commercial activities developed and increased, employment opportunities expanded, and positive planned land use developed.

Section 2. That Ordinance No. 2019-06 section LOCATION AND ELIGIBILITY, subsection (D)(1)(f)(7) Marihuana Grower License, and Code of Ordinances, Section 121.07 shall be amended as follows:

(1) Marihuana Grower License:

f. A Grower shall comply with all of the provisions of the MRTMA and shall:

7) **Odor control.** ~~No Person, tenant, occupant, or property owner shall permit the emission of unreasonable or offensive Marihuana odor from any source to result in such detectable odors that leave the premises upon which they originated. Odor emission shall be measured by a reasonable person of normal sensitivity standard.~~ A grower shall install and maintain in operable condition a system which precludes the emission of **objectionable** ~~unreasonable or offensive Marihuana~~ odors from **emanating from the property** ~~marijuana facilities and premises~~. Odor must be managed at the **property** ~~establishment~~ site and by the installation of an operable filtration to ventilation and exhaust equipment and odors

must otherwise be effectively confined to the interior of the building or dwelling from which the odor is generated. **Section ODOR PROHIBITION subsections (A), (B), (C), and (D), and the City Code of Ordinances Section 121.22, shall apply.**

Section 3. That Ordinance No. 2019-06 section LOCATION AND ELIGIBILITY, subsection (D)(2)(f)(6) Marihuana Processor License, and Code of Ordinances, Section 121.22 shall be amended as follows:

(2) Marihuana Processor License:

f. (6) Odor control. —~~No Person, tenant, occupant, or property owner shall permit the emission of unreasonable or offensive Marihuana odor from any source to result in such detectable odors that leave the premises upon which they originated. Odor emission shall be measured by a reasonable person of normal sensitivity standard. A processor grower shall install and maintain in operable condition a system which precludes the emission of~~ **objectionable** ~~unreasonable or offensive Marihuana odors from the property marijuana facilities and premises. Odor must be managed at the property establishment site and by the installation of an operable filtration to ventilation and exhaust equipment and odors must otherwise be effectively confined to the interior of the building or dwelling from which the odor is generated.~~ **Section ODOR PROHIBITION subsections (A), (B), (C), and (D), the City Code of Ordinances Section 121.22, shall apply.**

Section 4. That Ordinance No. 2019-06 section GENERAL LICENSE APPLICATION REQUIREMENTS, subsection (B)(8)(e), and Code of Ordinances, Section 121.09 shall be amended as follows:

e. A plan for ventilation of the marihuana establishment that describes the ventilation systems that will be used to prevent any **objectionable** ~~unreasonable or offensive~~ odor of marihuana off the premises of the business. For marihuana establishments that grow and/or process marihuana plants and/or marihuana infused products, such plan shall also include all ventilation systems used to control the environment for the plants and describe how such systems operate with the systems preventing any **objectionable** ~~unreasonable or offensive~~ odors from leaving the premises. For marihuana businesses that produce marihuana-infused products, such plan shall also include all ventilation systems used to mitigate noxious gases or other fumes used or created as part of the production process.

Section 5. That Ordinance No. 2019-06 section VISIBILITY OF ACTIVITIES; CONTROL OF EMISSIONS subsection (C), and Code of Ordinances, Section 121.20 shall be amended as follows:

(C) Sufficient measures and means of preventing smoke, **objectionable** ~~unreasonable or offensive~~ odors, debris, dust, fluids and other substances from exiting a marihuana establishment and commercial entity must be provided at all times. In the event that any **objectionable** ~~unreasonable or offensive~~ odors, debris, dust, fluids or other substances exit a marihuana establishment and/or commercial entity, the owner of the subject premises and the licensee shall be jointly and severally liable for such conditions and shall be responsible for immediate, full clean-up and correction of such condition. The licensee shall properly dispose of all such materials, items and other substances in a safe, sanitary and secure manner and in accordance with all applicable federal, state and local laws and regulations.

Section 6. That Ordinance No. 2019-06 section **MARIHUANA CULTIVATION** subsection (D), and Code of Ordinances, Section 121.21 shall be amended as follows:

(D) No marihuana cultivation activity shall result in the emission of any gas, vapors, **objectionable** ~~unreasonable or offensive~~ odor, smoke, dust, heat or glare that is noticeable at or beyond the property line of the dwelling at which the cultivation occurs. Sufficient measures and means of preventing the escape of such substances from a dwelling must be provided at all times. In the event that any gas, vapors, **objectionable** ~~unreasonable or offensive~~ odor, smoke, dust, heat or glare or other substances exit a dwelling, the owner of the subject premises shall be liable for such conditions and shall be responsible for immediate, full clean-up and correction of such condition. The owner shall properly dispose of all such materials, items, and other substances in a safe, sanitary, and secure manner and in accordance with all applicable federal, state, and local laws and regulations. In the event there is a lessee of the subject premises, the owner and the lessee shall be jointly and severally liable for such conditions.

Section 7. That Ordinance No. 2019-06 section ODOR CONTROL subsections (A), (B), (C), and added (D) and the **Code of Ordinances Section 121.22** shall be amended to read as follows:

ODOR CONTROL PROHIBITION.

(A) No Person, tenant, occupant, or property owner, **who cultivates, grows, processes, or uses marihuana for any purpose** shall **propagate or** permit the emission of **objectionable** ~~unreasonable or offensive Marihuana~~ **odors that may cause or result in a nuisance to the public or that endanger the health, safety and welfare of the public, to emanate** from any source **on the property** to result in such detectable odors that leave the premises upon which they originated. ~~and interfere with the reasonable and comfortable use and enjoyment of another's property.~~

~~(B) Whether or not a marihuana odor emission interferes with the reasonable and comfortable use and enjoyment of a property shall be measured against the objective standards of a reasonable person of normal sensitivity.~~

(B) An odor is per se objectionable if odor is detectable in the ambient air that is greater than a 7/1 dilution threshold (D/T) for two (2) samples not less than fifteen (15) minutes apart during a one-hour period measured by a field olfactometer device at the boundaries of the property as determined at the street right-of-way, or property line.

(C) A grower or a processor shall install and maintain in operable condition a system which precludes the emission of objectionable
~~unreasonable or offensive marihuana odor emanating~~ from the premises.

(D) Prosecution for Violation; Civil Penalty.

- 1) Any person or entity failing to comply with this Section shall be responsible for a municipal civil infraction or district court citation and shall be subject to a civil fine as follows: \$100.00 initial violation, \$250.00 second violation, and \$500.00 third (or any subsequent) violation. Municipal civil infraction violations are made payable at the City Municipal ordinance Violation Bureau. Repeat violations are determined based on the date of the commission of the violation. Each day that a violation continues shall be deemed to be a separate offense.**
- 2) In addition to the remedies described above, the City may institute the appropriate proceeding at law or in equity to restrain, correct, or abate such violation, including injunctive relief.**
- 3) Jurisdiction for district court citations and legal action to enforce this Ordinance, the City Code, and state law, vest in the state courts of Calhoun County.**

Section 8. Savings Clause. All proceedings pending and all rights and liabilities existing or incurred at the time this amendatory Ordinance takes effect are saved and may be consummated according to the law enforced when they were commenced. This amendatory Ordinance shall not be construed to affect any prosecution pending or initiated before the effective date of this amendatory Ordinance for an offense committed before that date.

Section 9. Conflicting Ordinances Repealed. Except as to prosecution and legal actions pending and saved pursuant to Section 8 above, any Marshall City Ordinances

or parts of Ordinances, or Code of Ordinances, in conflict with or inconsistent with any of the provisions of this Ordinance, are repealed.

Section 10. Severability. It is the legislative intent of the City adopting this Ordinance that all provisions hereof shall be liberally construed to protect the public health, safety and general welfare of the inhabitants of the City and all other persons affected by this Ordinance. Consequently, should any provision of this Ordinance be held to be unconstitutional, invalid or of no effect, such holding shall not be construed as affecting the validity of any of the remaining provisions of this Ordinance or Zoning Code, it being the intent of the City Council that this Ordinance shall stand and remain in effect, notwithstanding the invalidity of any provision hereof. If any section, paragraph, clause, phrase or part of this Ordinance is held invalid by any court of competent jurisdiction or any agency, department or commission empowered by statute for such purposes, such decision shall not affect the validity of the remaining provisions of this Ordinance, and the application of those provisions to any person or circumstance shall not be affected thereby.

Section 11. Code Edits. The editors of the Marshall City Code are hereby authorized, subject to approval of the City Manager, or designee, to update and revise code section numbers to effectuate the provisions of this Ordinance.

Section 12. Section Headings. The section headings used in this ordinance are for convenience only and are not a part of this Ordinance.

Section 13. Effective Date. This Ordinance shall take effect upon publication.

Introduced by the Marshall City Council this ____ day of _____, 2023.

Motion by

Second by

Ayes:

Nays:

Absent:

Adopted by the Marshall City Council this ____ day of _____, ____.

Motion by

Second by

Approved:

James Schwartz, Mayor

STATE OF MICHIGAN

COUNTY OF CALHOUN

I, Michelle Eubank, Marshall City Clerk, certify this is Ordinance #_____ adopted by the Marshall City Council at a meeting held the _____ day of _____, 2023, a meeting held according to the Open Meetings Act, Public Act No. 267 of 1976, as amended. I further certify Ordinance # 2023 - _____ was published in the Marshall Ad-Visor, a newspaper of general circulation in the City of Marshall, the _____ day of _____, 2023, subsequent to its adoption.

Michelle Eubank, City Clerk

Introduced:

Public Hearing:

Adopted:

Published:

Effective: