



Regular City Council Meeting
7:00 p.m., Monday, May 20, 2024
City Council Chambers
23600 Liberty Street
Farmington, MI 48335

REGULAR MEETING AGENDA

1. **ROLL CALL**
2. **PLEDGE OF ALLEGIANCE**
3. **PUBLIC COMMENT**
4. **APPROVAL OF ITEMS ON CONSENT AGENDA**
 - A. **City of Farmington Minutes**
 - B. **Farmington Monthly Payments Report**
 - C. **City Quarterly Financial Report**
 - D. **Court Quarterly Financial Report**
 - E. **Quarterly Investment Report**
 - F. **Farmington Public Safety Monthly Report**
5. **APPROVAL OF REGULAR AGENDA**
6. **NEW BUSINESS**
 - A. **Proclamation declaring the first Friday in June to be National Gun Violence Awareness Day**
 - B. **Farmington CIA TIF and Development Plan addendum**
 - C. **Consideration to Approve Public Hearing Notice for Proposed Fiscal Year 2024-25 Budget and Property Tax Rates**
 - D. **DDA 2023/24 Budget Amendments**
 - E. **DDA 2024/25 Budget Presentation**
 - F. **Consideration to transfer ownership of a Class C and SDM License, Entertainment Permit and Outdoor Service Permit from Browndog, LLC to The Farmington Tasting Room LLC**
 - G. **Consideration to Amend Fiscal Year 2023-24 Budget**
 - H. **Consideration to Approve Certified 2024 Delinquent False Alarm Fees, Water and Sewer Bills, and Invoices for Placement on Tax Roll**
 - I. **Crack Sealing Program: change order & construction estimate**
 - J. **9 Mile Retention Environmental Quality Basin Electrical Service Equipment Assessment Repair Project**
 - K. **MDOT Highway Maintenance Designations**
 - L. **Salt Storage Facility Study**
 - M. **Salt Storage Facility Design**
 - N. **9 Mile Retention Environmental Quality Basin Underdrain Control Panel Replacement**
 - O. **9 Mile Water Booster Station**
 - P. **Second Reading of ordinances to allow the use of alcohol at certain public facilities**

- 7. PUBLIC COMMENT**
- 8. CITY COUNCIL COMMENTS**
- 9. ADJOURNMENT**

The City will follow its normal procedures for accommodation of persons with disabilities. Those individuals needing accommodations for effective participation in this meeting should contact the City Clerk (248) 474-5500, ext. 2218 at least two working days in advance of the meeting. An attempt will be made to make reasonable accommodations.



City Council Meeting
6:00 p.m., Monday, April 15, 2024
Conference Room
23600 Liberty Street
Farmington, MI 48335

DRAFT

SPECIAL MEETING MINUTES

A special meeting of the Farmington City Council was held on April 15, 2024, at 23600 Liberty Street, Farmington, MI. Notice of the meeting was posted in compliance with Public Act 267-1976.

The meeting was called to order at 6:04 PM by Mayor LaRussa.

1. ROLL CALL

Attendee Name	Title	Status	Arrived
Johnna Balk	Mayor Pro-Tem	Present	
Joe LaRussa	Mayor	Present	
Kevin Parkins	Councilmember	Present	
Steve Schneemann	Councilmember	Absent	
Maria Taylor	Councilmember	Present	

City Administration Present

City Manager David Murphy
City Clerk Meaghan Bachman
Finance Director Chris Weber
Public Safety Director Bob Houhanisin
City Attorney Tom Schultz

2. APPROVAL OF REGULAR AGENDA

Move to approve the agenda as presented.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember

3. PUBLIC COMMENT

No members of the public spoke.

4. CLOSED SESSION: PENDING LITIGATION – CRAWFORD VS. CITY OF FARMINGTON

Move to convene into closed session to discuss pending litigation – Crawford vs. City of Farmington

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember
AYES:	Balk, LaRussa, Parkins, Taylor

Move to reconvene into the regular city council meeting at 6:27 p.m.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Taylor, Councilmember
SECONDER:	Balk, Mayor Pro-Tem

VOTE ON CLOSED SESSION ITEM:

Move to approve the recommendation of the City Attorney in the litigation of Crawford vs. the City of Farmington

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Taylor, Councilmember
SECONDER:	Parkins, Councilmember
AYES:	LaRussa, Parkins, Taylor, Balk

5. INTRODUCTION (FIRST READING) - OF ORDINANCES TO ALLOW THE USE OF ALCOHOL AT CERTAIN PUBLIC FACILITIES

Consideration to introduce Ordinance No. C-811-2024, amending Chapter 3, “Alcoholic Liquor,” of the City of Farmington Code of Ordinances, to change the definition of “public place,” in order to allow the use of alcohol at certain public facilities if a resolution of City Council is adopted and to prohibit the use at other public facilities, and Ordinance No. C812-2024, amending Chapter 21, “Parks and Recreation,” of the City of Farmington Code of Ordinances, to prohibit alcohol consumption in parks except where authorized by City Council Resolution.

Move to approve the 1st reading of Ordinance No. C-811-2024 and Ordinance No. C812-2024.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Taylor, Councilmember
SECONDER:	Balk, Mayor Pro-Tem
AYES:	Parkins, Taylor, Balk, LaRussa

6. OTHER BUSINESS

No other business was heard.

7. PUBLIC COMMENTS

No members of the public spoke.

8. COUNCIL COMMENTS

No members of the Council spoke.

9. ADJOURNMENT

Move to adjourn the meeting.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember

The meeting adjourned at 6:58 p.m.

Joe LaRussa, Mayor

Meaghan K. Bachman, City Clerk

Approval Date:



City Council Meeting
7:00 p.m., Monday, April 15, 2024
Conference Room
23600 Liberty Street
Farmington, MI 48335

DRAFT

REGULAR MEETING MINUTES

A meeting of the Farmington City Council was held on April 15, 2024, at 23600 Liberty Street, Farmington, MI. Notice of the meeting was posted in compliance with Public Act 267-1976.

The meeting was called to order at 7:04 PM by Mayor LaRussa.

1. ROLL CALL

Attendee Name	Title	Status	Arrived
Johnna Balk	Mayor Pro-Tem	Present	
Joe LaRussa	Mayor	Present	
Kevin Parkins	Councilmember	Present	
Steve Schneemann	Councilmember	Absent	
Maria Taylor	Councilmember	Present	

City Administration Present

City Manager David Murphy
City Clerk Meaghan Bachman
Director of Public Safety Bob Houhanisin
Chuck Eudy, DPW Superintendent
City Attorney Tom Schultz

2. PLEDGE OF ALLEGIANCE

3. PUBLIC COMMENT

Cassie Williams of the Emergency Preparedness Commission presented the safety tip of the month - work zone awareness.

4. APPROVAL OF ITEMS ON CONSENT AGENDA

- A. City of Farmington Minutes
- B. Farmington Monthly Payments Report
- C. Farmington Public Safety Monthly Report
- D. DPW Third Quarter Report
- E. Building Department Third Quarter Report
- F. Accept resignation of Linda Chiara from the Beautification Committee
- G. Special Event: Farmington Public Schools Back to School Celebration

Move to approve the consent agenda as presented.

RESULT:	APPROVED UNANIMOUS
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Parkins, Councilmember

5. APPROVAL OF THE REGULAR AGENDA

Move to approve the regular agenda as presented.

RESULT:	APPROVED UNANIMOUS
MOVER:	Balk, Mayor Pro-Tem Balk
SECONDER:	Parkins, Councilmember

6. PRESENTATION/PUBLIC HEARINGS

A. Swearing in of Public Safety Officer Brandon Campbell.

7. NEW BUSINESS 7A - 7D

7-A CROSS CONNECTION PROTECTION CONTRACT RENEWAL

This item was presented by Superintendent Chuck Eudy. City administration recommends that City Council renew a two-year agreement with HydroCorp Incorporated located in Troy, Michigan to conduct the City Water System’s cross connection inspection control program which is required by the Michigan Department of Environmental Great Lakes and Energy (EGLE). The purpose of the cross-connection program is to prevent backflows into the water distribution system from users that utilize potentially dangerous substances that could represent a major public health problem if introduced in the water system.

Move to approve a two-year renewal of Cross Connection Program Contract with HydroCorp Incorporated in the amount 24 monthly payments of \$1,175.00 (\$28,200 total contract) and allow City Administration to execute the contract documents. Subject to any minor amendments to the final form of the City Manager’s office and the City Attorney’s office.

RESULT:	APPROVED – UNANIMOUS
MOVER:	Parkins, Councilmember
SECONDER:	Taylor, Councilmember
AYES:	Balk, LaRussa, Parkins, Taylor

7-B EMERGENCY SEWER REPAIR PAYMENT

This item was presented by Superintendent Chuck Eudy. On March 8, 2024, while conducting routine sanitary sewer cleaning, Public Works crews encountered a significant amount of sand in the sanitary sewer located near Farmington Glen Swim Club and James Court. Crews removed over one cubic yard of sand from the 23-footdeep sanitary

manhole. After removing the sand, crews proceeded to CCTV the sanitary sewer. A broken pipe was located on the south side of the sanitary manhole located at the rear of 33705 Jame Court, on the Farmington Glenn property. Public Works contacted a sewer lining contractor to install a stint liner to repair the failed pipe. The estimated cost to install the stint liner was \$7,700. On March 11, 2024, while the contractor was preparing to install the liner, the remaining segments of pipe failed, causing the total pipe to collapse. The contractor was able to establish positive drainage by using the sewer jet cleaning equipment to open the blockage. The total collapse of the pipe eliminated the potential for the sewer to be lined. DPW contacted D’Angelo Brothers to repair the sanitary sewer main.

Move to approve payment to D’Angelo Brothers Incorporated located in Farmington Hills, MI in the amount of \$92,291.51 for the emergency sanitary sewer repair at 33700 Freedom Road.

RESULT:	APPROVED – UNANIMOUS
MOVER:	Taylor, Councilmember
SECONDER:	Balk, Mayor Pro-Tem
AYES:	LaRussa, Parkins, Taylor, Balk

7-C CASS AVENUE DECERTIFICATION

MDOT contacted the Department of Public Works Street Administrator in March of 2024 questioning if a 165-foot-long segment of Cass Avenue existed as it appears on the current MDOT Act 51 map. That segment of Cass Avenue (or an alleyway between Grand River Avenue and Oakland Avenue) was incorporated into Women’s Park in 1972, and a former City Council approved the alleyway to be vacated in 1962. The map was not previously reported to MDOT to coordinate the revised Act 51 map and corresponding road funding. MDOT requires the Act 51 street mileage certification to be completed by April 17, 2024 and has made the street deletion to the Act 51 map and local street mileage pending receiving the required decertification documentation. The decertification of this segment of Cass Avenue will result in a minor reduction of street funding from MDOT.

Move to approve the Cass Avenue decertification resolution and provide Michigan Department of Transportation (MDOT) the required documentation for the decertification.

RESULT:	APPROVED – UNANIMOUS
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember
AYES:	Parkins, Taylor, Balk, LaRussa

7-D CONSIDERATION OF RESOLUTION TO ACCEPT OAKLAND COUNTY WEST NILE GRANT

Move to adopt resolution authorizing the City Administration to submit a reimbursement request to Oakland County in the amount of \$1,443.82 under the West Nile Fund program.

RESULT:	APPROVED – UNANIMOUS
MOVER:	Parkins, Councilmember
SECONDER:	Taylor, Councilmember
AYES:	Taylor, Balk, LaRussa, Parkins

8. PUBLIC COMMENT

No members of the public spoke.

CLOSED SESSION:

- A. Confidential Written Communications from City Attorney**
- B. Acquisition of Property**

Move to convene into closed session at 7:28 PM to discuss Confidential Written Communications from City Attorney and Acquisition of Property.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Taylor, Councilmember
SECONDER:	Balk, Mayor Pro-Tem
AYES:	LaRussa, Parkins, Taylor, Balk

Move to reconvene into the regular city council meeting at 8:36 PM

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember

VOTE ON CLOSED SESSION ITEM:

Move to instruct the City Manager and City Attorney to proceed as directed and to prepay the necessary documents per the closed session discussion.

RESULT: APPROVED [UNANIMOUS]
MOVER: LaRussa Mayor
SECONDER: Taylor, Councilmember
AYES: LaRussa, Parkins, Taylor, Balk

10. ADJOURNMENT

Move to adjourn the meeting.

RESULT: APPROVED [UNANIMOUS]
MOVER: Balk, Mayor Pro-Tem
SECONDER: Taylor, Councilmember

The meeting adjourned at 8:37 p.m.

Joe LaRussa, Mayor

Meaghan K. Bachman, City Clerk

Approval Date: May 20, 2024



City Council Meeting
6:00 p.m., Monday, April 22, 2024
Conference Room
23600 Liberty Street
Farmington, MI 48335

DRAFT

SPECIAL BUDGET MEETING MINUTES

A special meeting of the Farmington City Council was held on April 22, 2024, at 23600 Liberty Street, Farmington, MI. Notice of the meeting was posted in compliance with Public Act 267-1976.

The meeting was called to order at 6:03 PM by Mayor LaRussa.

1. ROLL CALL

Attendee Name	Title	Status	Arrived
Johnna Balk	Mayor Pro-Tem	Present	
Joe LaRussa	Mayor	Present	
Kevin Parkins	Councilmember	Present	
Steve Schneemann	Councilmember	Absent	
Maria Taylor	Councilmember	Present	

City Administration Present

City Manager David Murphy
City Clerk Meaghan Bachman
Finance Director Chris Weber
Deputy Treasurer, Jaime Pohlman
Administrative Assistant, Lisa Rasico

2. APPROVAL OF REGULAR AGENDA

Move to approve the agenda as presented.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Parkins Councilmember

3. PUBLIC COMMENT

City Manager David Murphy introduced Treasurer’s Office team members, Jaime Pohlman and Lisa Rasico to Council.

4. CITY MANAGER’S PROPOSED BUDGET

City Manager Murphy presented the proposed FY2024/25 budget, including budget overview objectives, specific fund expenditures and revenues, capital outlays and projects, personnel organization and costs, and the Capital Improvement Program. The City of Farmington currently has AA Bond Rating.

Council asked questions and had discussions about the pension systems funding, infrastructure investment including funding for road repair, water and sewer fund reserve, sidewalks, Water and Sewer Fund and rate increases, the Farmington Civic Theater, Board & Commission budgets lines, the Governor Warner Mansion, and specific lines in the proposed budget. It was noted there are six main areas of infrastructure investment the city has budgeted to improve, that would include roads, sidewalks, water and sewer, drains, parks, parking, building and grounds. Council spoke more in detail about water and sewer rate increases. Mayor LaRussa spoke regarding the funding in the admin and overhead account - water & sewer, asking if there is any opportunity to accelerate the downward trend; noting that if the account has a surplus why would we need a rate increase. He also asked if admin and overhead is not planned to be expended right away, when, and how will it be spent. He was hopeful to see more data. Finance Director Chris Weber explained the funding in more detail.

Council was appreciative of the work done to bring this budget together by David Murphy, the Administrative staff, and Finance Director/Treasurer Chris Weber.

5. OTHER BUSINESS – DAVID MURPHY – PUBLIC SAFETY VEHICLE

The Public Safety Department is requesting the purchase of a one 2024 Chevrolet Tahoe. The purchase is part of an ongoing replacement program for the patrol vehicles. The dealership has noted a limited number of vehicles and asked department to commit to purchasing by providing a PO ahead of time.

Move to give the City Manager the authority to create a purchase order for a Tahoe for the Public Safety Department.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember
AYES:	Balk, LaRussa, Parkins, Taylor

6. PUBLIC COMMENTS

City Clerk Meaghan Bachman noted a couple of updates from the Clerk’s Office.

Finance Director Chris Weber thanked Lisa, Katie, and Jaime for their assistance with the budget presentation.

7. COUNCIL COMMENTS

Councilmember Parkins thanked the administration for their hard work with the budget.

Mayor Pro-Tem Balk also thanked the administration for their work on the budget presentation.

Mayor LaRussa thanked the team for the balanced budget and noted a job well done. The Mayor spoke of Ladies Night Out and the Great Farmington Cleanup.

9. ADJOURNMENT

Move to adjourn the meeting.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Balk, Mayor Pro-Tem
SECONDER:	Taylor, Councilmember

The meeting adjourned at 7:43 p.m.

Joe LaRussa, Mayor

Meaghan K. Bachman, City Clerk

Approval Date:

CITY OF FARMINGTON - MONTHLY PAYMENTS REPORT

MONTH OF APRIL 2024

FUND #	FUND NAME	AMOUNT:
101	GENERAL FUND	\$ 342,221.92
202	MAJOR STREET FUND	\$ 2,480.53
203	LOCAL STREET FUND	\$ 4,043.59
285	AMERICAN RESCUE ACT	\$ 93,821.99
401	CAPITAL IMPROVEMENT MILLAGE	\$ 28,484.06
592	WATER & SEWER FUND	\$ 392,064.66
595	FARMINGTON COMMUNITY THEATER FUND	\$ 19,073.49
640	DPW EQUIPMENT REVOLVING FUND	\$ 3,234.97
701	AGENCY FUND	\$ 500.00
736	PUBLIC EMPLOYEE HEALTH CARE FUND	\$ 28,465.57
	TOTAL CITY PAYMENTS ISSUED:	\$ 914,390.78
136	47TH DISTRICT COURT FUND	\$ 62,450.02
243	BROWNFIELD REDEVELOP AUTHORITY	\$ 0.00
244	CORRIDOR IMPROVEMENT AUTHORITY FUND	\$ 593.16
248	DOWNTOWN DEVELOPMENT AUTHORITY FUND	\$ 35,229.84
	TOTAL OTHER ENTITIES PAYMENTS ISSUED:	\$ 98,273.02
	TOTAL PAYMENTS ISSUED	\$ 1,012,663.80

A detailed Monthly Payments Report is on file in the Treasurer's Office.

CITY OF FARMINGTON - ACH PAYMENTS REPORT

MONTH OF APRIL 2024

TRANSFER FROM:	TRANSFER TO:	DESCRIPTION:	AMOUNT:
General Fund	Chase (Payroll Acct)	Direct Deposit Payroll	\$ 292,518.97
General Fund	Federal Gov't	W/H & FICA Payroll	153,297.63
General Fund	MERS	February Transfer	119,492.86
General Fund	MERS HCSP	February Transfer	6,565.00
General Fund	MERS	457 Plans - City & Dept. Head	34,511.22
General Fund	Total Administrative Services Corp.	Flexible Spending Accounts	3,613.26
	TOTAL CITY ACH TRANSFERS		\$ 609,998.94
Court Fund	Chase (Payroll Acct)	Direct Deposit Payroll	98,715.13
Court Fund	Federal Gov't	W/H & FICA Payroll	73,809.46
Court Fund	Total Administrative Services Corp.	Flexible Spending Accounts	2,502.63
Court Fund	ICMA	Health Savings/401 Accounts	12,513.92
	TOTAL OTHER ENTITIES ACH TRANSFERS		\$ 187,541.14

FINANCIAL REPORT
CITY OF FARMINGTON
QUARTER ENDED MARCH 2024

Submitted by:
Christopher M. Weber, Director of Finance and Administration

CITY OF FARMINGTON - FINANCIAL REPORT - QUARTER ENDING MARCH 2024

BUDGETED FUNDS:

REVENUES:	AMENDED BUDGET	YTD REVENUES	VARIANCE OVER (UNDER)	EXPENDITURES:	AMENDED BUDGET	YTD EXPENDITURES	VARIANCE OVER (UNDER)
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GENERAL FUND:

Property Taxes	6,276,050.00	6,164,532.33	(111,517.67)	General Government	2,337,744.00	1,586,328.51	(751,415.49)
Licenses & Permits	260,950.00	216,640.30	(44,309.70)	47th District Court	629,880.00	472,410.00	(157,470.00)
Federal Grants	71,002.00	32,571.03	(38,430.97)	Public Safety	5,125,269.00	3,467,168.65	(1,658,100.35)
State Shared Revenue and Grants	1,478,601.00	857,457.38	(621,143.62)	Public Works	1,410,987.00	979,352.06	(431,634.94)
Charges For Services	2,132,604.00	1,697,216.64	(435,387.36)	Health & Welfare	6,660.00	4,996.00	(1,664.00)
Fines & Forfeits	375,000.00	217,720.07	(157,279.93)	Community & Economic Development	242,428.00	154,952.09	(87,475.91)
Other Revenue	512,103.00	367,134.67	(144,968.33)	Recreation & Cultural	931,084.00	697,357.46	(233,726.54)
Transfer, Capital Improvement Fund	225,100.00	0.00	(225,100.00)	Contingency	20,000.00	0.00	(20,000.00)
				Transfer, Other Funds	805,858.00	89,994.09	(715,863.91)
Total Revenues:	11,331,410.00	9,553,272.42	(1,778,137.58)	Total Expenditures:	11,509,910.00	7,452,558.86	(4,057,351.14)
Appropriation, Fund Equity	(178,500.00)			Transfer, Fund Equity	0.00		
Total Revenues/Appr Fund Equity:	11,152,910.00	9,553,272.42		Total Expenditures/Trans Fund Equity	11,509,910.00	7,452,558.86	

CAPITAL IMPROVEMENT FUND:

Property Taxes	103,442.00	101,863.09	(1,578.91)	Transfer, General Fund	225,100.00	0.00	(225,100.00)
Investment Income	24,000.00	24,290.18	290.18	Transfer, Local Street Fund	0.00	0.00	0.00
			0.00	Transfer, Theater	14,000.00	14,000.00	0.00
Total Revenues:	127,442.00	126,153.27	(1,288.73)	Total Expenditures:	239,100.00	14,000.00	(225,100.00)
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	111,658.00		
Total Revenues/Appr Fund Equity:	127,442.00	126,153.27		Total Expenditures/Trans Fund Equity	350,758.00	14,000.00	

CAPITAL IMPROVEMENT MILLAGE FUND:

Property Taxes	827,539.00	814,927.93	(12,611.07)	Capital Outlay	1,820,832.00	373,603.46	(1,447,228.54)
State Shared Revenue and Grants	19,577.00	45,387.86	25,810.86	Debt	408,062.00	46,655.00	(361,407.00)
Investment Income	36,000.00	79,871.02	43,871.02				
DDA Contribution	105,962.00	22,980.75	(82,981.25)				
Total Revenues:	989,078.00	963,167.56	(25,910.44)	Total Expenditures:	2,228,894.00	420,258.46	(1,808,635.54)
Appropriation, Fund Equity	1,239,816.00			Transfer, Fund Equity	0.00		
Total Revenues/Appr Fund Equity:	2,228,894.00	963,167.56		Total Expenditures/Trans Fund Equity	2,228,894.00	420,258.46	

CITY OF FARMINGTON - FINANCIAL REPORT - QUARTER ENDING MARCH 2024

BUDGETED FUNDS:							
REVENUES:	AMENDED BUDGET	YTD REVENUES	VARIANCE OVER (UNDER)	EXPENDITURES:	AMENDED BUDGET	YTD EXPENDITURES	VARIANCE OVER (UNDER)

MAJOR STREET FUND:

State Shared Revenue and Grants	871,000.00	531,934.98	(339,065.02)	Operation & Maintenance	439,616.00	269,155.79	(170,460.21)
Contracts	135,421.00	64,006.95	(71,414.05)	Construction	195,040.00	177,218.83	(17,821.17)
Other Revenues	7,500.00	26,044.16	18,544.16	Transfer, Local Street Fund	200,000.00	200,000.00	0.00
				Debt Service	133,113.00	14,000.00	(119,113.00)
Total Revenues:	1,013,921.00	621,986.09	(391,934.91)	Total Expenditures:	967,769.00	660,374.62	(307,394.38)
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	46,152.00		
Total Revenues/Appr Fund Equity:	1,013,921.00	621,986.09		Total Expenditures/Trans Fund Equity	1,013,921.00	660,374.62	

LOCAL STREET FUND:

State Shared Revenue and Grants	361,000.00	220,422.52	(140,577.48)	Operation & Maintenance	310,680.00	228,494.34	(82,185.66)
Other Revenues	29,500.00	1,813.92	(27,686.08)	Construction	689,280.00	654,072.29	(35,207.71)
Transfer, Municipal Street Fund	275,000.00	275,000.00	0.00				
Transfer, Major Street Fund	200,000.00	200,000.00	0.00				
Transfer, Capital Improvement Fund	0.00	0.00	0.00				
Total Revenues:	865,500.00	697,236.44	(168,263.56)	Total Expenditures:	999,960.00	882,566.63	(117,393.37)
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	(134,460.00)		
Total Revenues/Appr Fund Equity:	865,500.00	697,236.44		Total Expenditures/Trans Fund Equity	865,500.00	882,566.63	

MUNICIPAL STREET FUND:

Property Taxes	580,933.00	572,062.95	(8,870.05)	Transfer, Local Street Fund	275,000.00	275,000.00	0.00
State Shared Revenue	3,265.00	6,093.76	2,828.76				
Other Revenue	8,000.00	21,172.88	13,172.88				
Total Revenues:	592,198.00	599,329.59	7,131.59	Total Expenditures:	275,000.00	275,000.00	0.00
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	317,198.00		
Total Revenues/Appr Fund Equity:	592,198.00	599,329.59		Total Expenditures/Trans Fund Equity	592,198.00	275,000.00	

CITY OF FARMINGTON - FINANCIAL REPORT - QUARTER ENDING MARCH 2024

BUDGETED FUNDS:							
REVENUES:	AMENDED BUDGET	YTD REVENUES	VARIANCE OVER (UNDER)	EXPENDITURES:	AMENDED BUDGET	YTD EXPENDITURES	VARIANCE OVER (UNDER)
AMERICAN RESCUE ACT FUND:							
Federal Grants	0.00	0.00	0.00	SRF Sewer Inspection	0.00	41,490.18	41,490.18
Other Grants	0.00	0.00	0.00				
Other Revenue	45,000.00	36,506.40	(8,493.60)				
Total Revenues:	45,000.00	36,506.40	(8,493.60)	Total Expenditures:	0.00	41,490.18	41,490.18
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	45,000.00		
Total Revenues/Appr Fund Equity:	45,000.00	36,506.40		Total Expenditures/Trans Fund Equity	45,000.00	41,490.18	
OPIOID SETTLEMENT FUND							
Total Revenues:	0.00	1,996.94	1,996.94	Total Expenditures:	0.00	0.00	0.00
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	0.00		
Total Revenues/Appr Fund Equity:	0.00	1,996.94		Total Expenditures/Trans Fund Equity	0.00	0.00	
BROWNFIELD REDEVELOP AUTHORITY:							
Total Revenues:	43,745.00	44,687.36	942.36	Total Expenditures:	42,945.00	35,708.08	(7,236.92)
Appropriation, Fund Equity	0.00			Transfer, Fund Equity	800.00		
Total Revenues/Appr Fund Equity:	43,745.00	44,687.36		Total Expenditures/Trans Fund Equity	43,745.00	35,708.08	
CORRIDOR IMPROVEMENT AUTHORITY:							
Total Revenues:	67,000.00	68,852.55	1,852.55	Total Expenditures:	110,000.00	12,119.99	(97,880.01)
Appropriation, Fund Equity	43,000.00	(56,732.56)		Transfer, Fund Equity	0.00	0.00	
Total Revenues/Appr Fund Equity:	110,000.00	12,119.99		Total Expenditures/Trans Fund Equity	110,000.00	12,119.99	
DWTWN DEVELOPMENT AUTHORITY:							
Total Revenues:	1,042,443.00	1,163,283.85	120,840.85	Total Expenditures:	1,298,919.00	961,968.03	(336,950.97)
Appropriation, Fund Equity	256,476.00			Transfer, Fund Equity	0.00		
Total Revenues/Appr Fund Equity:	1,298,919.00	1,163,283.85		Total Expenditures/Trans Fund Equity	1,298,919.00	961,968.03	
TOTAL BUDGETARY FUNDS REVENUE: \$16,117,737.00 \$13,876,472.47 TOTAL BUDGETARY FUNDS EXPENDITURES: \$17,672,497.00 \$10,756,044.85							

CITY OF FARMINGTON - FINANCIAL REPORT - QUARTER ENDING MARCH 2024

SUPPLEMENTAL INFORMATION:

REVENUES:	AMENDED BUDGET	YTD REVENUES	VARIANCE OVER (UNDER)	EXPENDITURES:	AMENDED BUDGET	YTD EXPENDITURES	VARIANCE OVER (UNDER)
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WATER & SEWER FUND:

Water & Sewer Sales	5,445,178.00	3,966,415.48	(1,478,762.52)	Operating & Maintenance	4,723,382.00	2,979,396.46	(1,743,985.54)
Other Revenue	127,000.00	113,524.42	(13,475.58)	Total O & M Expenditures:	4,723,382.00	2,979,396.46	(1,743,985.54)
				Capital Outlay	444,515.00	81,708.61	(362,806.39)
				Debt, Principal and Interest	475,168.00	53,635.41	(421,532.59)
				Transfer, OPEB Debt Service	37,781.00	4,377.21	(33,403.79)
Total Revenues:	5,572,178.00	4,079,939.90	(1,492,238.10)	Capital & Debt Outlays	957,464.00	139,721.23	(817,742.77)
Appropriation, Fund Equity	108,668.00			Transfer, Debt & Equity	0.00		
Total O & M/ Other Revenues:	5,680,846.00	4,079,939.90		Total O & M Exp. & Trans Debt & Equity	5,680,846.00	3,119,117.69	

FARMINGTON COMMUNITY THEATER FUND:

Admission/Rentals/Concessions	353,441.00	259,162.96	(94,278.04)	Operation & Maintenance	486,515.00	316,057.53	(170,457.47)
Other Revenue	6,907.00	6,458.68	(448.32)	Total O & M Expenditures:	486,515.00	316,057.53	(170,457.47)
Transfer, Capital Improvement Fund	14,000.00	14,000.00	0.00	Capital Outlay	14,000.00	14,825.64	825.64
				Debt, Interest	1,540.00	770.00	(770.00)
				Capital & Debt Outlays	15,540.00	15,595.64	55.64
Total Revenues:	374,348.00	279,621.64	(94,726.36)	Transfer, Fund Equity	0.00		
Appropriation, Fund Equity	127,707.00			Total O & M Exp. & Trans Debt & Equity	502,055.00	331,653.17	
Total Financing Sources:	502,055.00	279,621.64					

Total of Budgetary and Supplemental	22,064,263.00	18,236,034.01			23,855,398.00	14,206,815.71	
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FINANCIAL REPORT
47TH DISTRICT COURT
QUARTER ENDED MARCH 31, 2024

Distribution:

District Judges
Court Administrator
City Manager, Farmington Hills
Finance Director, Farmington Hills
City Council, Farmington
City Manager, Farmington

Submitted by:
Christopher M. Weber, Director of Finance and Administration

User: LLasico

PERIOD ENDING 03/31/2024

DB: Farmington

GL NUMBER	DESCRIPTION	BALANCE 03/31/2023	2023-24 AMENDED BUDGET	BEG. BALANCE 07/01/2023	END BALANCE 03/31/2024	AVAILABLE BALANCE	% BDGT USED
Fund 136 - 47TH DISTRICT COURT FUND							
Assets							
Dept 000.00							
136-000.00-001.000	CASH-GENERAL RECEIVING	684,449.69		686,450.71	564,383.52		
136-000.00-004.000	IMPREST CASH	1,950.00		1,950.00	1,950.00		
136-000.00-040.000	A/R MISCELLANEOUS	0.00		13,275.98	0.00		
136-000.00-071.001	DUE FROM FARMINGTON HILLS	0.00		226,572.67	0.00		
136-000.00-078.000	DUE FROM STATE OF MICHIGAN	0.00		927.86	0.00		
136-000.00-102.000	PREPAID EXPENSES	0.00		8,190.47	514.10		
Total Dept 000.00		<u>686,399.69</u>		<u>937,367.69</u>	<u>566,847.62</u>		
TOTAL ASSETS		<u>686,399.69</u>		<u>937,367.69</u>	<u>566,847.62</u>		
Liabilities							
Dept 000.00							
136-000.00-202.000	ACCOUNTS PAYABLE, P O	0.00		51,275.26	0.00		
136-000.00-202.002	ACCOUNTS PAYABLE, ACCRUED	0.00		19,160.85	0.00		
136-000.00-214.101	DUE TO GENERAL FUND	0.00		0.00	58.33		
136-000.00-214.130	DUE TO GEN DISBURSING FUND	(300.00)		0.00	0.00		
136-000.00-231.011	PAYROLL, LIFE INSURANCE	(295.68)		(314.54)	(258.96)		
136-000.00-257.000	ACCRUED WAGES	0.00		69,283.82	0.00		
Total Dept 000.00		<u>(595.68)</u>		<u>139,405.39</u>	<u>(200.63)</u>		
TOTAL LIABILITIES		<u>(595.68)</u>		<u>139,405.39</u>	<u>(200.63)</u>		
Fund Equity							
Dept 000.00							
136-000.00-368.000	NONSPENDABLE, INVENTORIES, PREPAIDS	6,657.66		8,190.47	8,190.47		
136-000.00-390.000	FUND BALANCE	1,950.00		1,950.00	1,950.00		
136-000.00-393.000	ASSIGNED FUND BALANCE, CAPITAL	402,319.39		613,746.41	613,746.41		
136-000.00-394.000	ASSIGNED FUND BALANCE, ACCRUED LIABILIT	142,686.62		174,075.42	174,075.42		
Total Dept 000.00		<u>553,613.67</u>		<u>797,962.30</u>	<u>797,962.30</u>		
TOTAL FUND EQUITY		<u>553,613.67</u>		<u>797,962.30</u>	<u>797,962.30</u>		
Revenues							
Dept 000.00							
136-000.00-529.000	FEDERAL GRANTS	2,940.00	0.00		0.00	0.00	0.00
136-000.00-539.901	STATE GRANT, DRUNK DRIVING	0.00	13,000.00		0.00	13,000.00	0.00
136-000.00-539.902	DRUG CASE MANAGEMENT	0.00	500.00		0.00	500.00	0.00
136-000.00-539.903	JUDGES, SALARY STD	68,586.00	91,448.00		68,586.00	22,862.00	75.00
136-000.00-539.904	DRUG COURT	2,829.08	5,000.00		4,400.12	599.88	88.00
136-000.00-664.000	INVESTMENT INCOME	24,796.78	12,660.00		28,559.42	(15,899.42)	225.59
136-000.00-671.000	REVENUES, OTHER	7,935.99	23,740.00		17,440.50	6,299.50	73.46
136-000.00-674.400	COMMUNITY WORK PROGRAM	2,877.44	6,000.00		3,338.16	2,661.84	55.64
136-000.00-676.000	REIMBURSEMENTS, MIDC EMPLOYEE COSTS	4,607.31	0.00		0.00	0.00	0.00
136-000.00-678.001	CONTRIBUTIONS, FARMINGTON	417,406.64	629,880.00		472,410.00	157,470.00	75.00

User: LRasico
DB: Farmington

PERIOD ENDING 03/31/2024

GL NUMBER	DESCRIPTION	BALANCE 03/31/2023	2023-24 AMENDED BUDGET	BEG. BALANCE 07/01/2023	END BALANCE 03/31/2024	AVAILABLE BALANCE	% BDGT USED
Fund 136 - 47TH DISTRICT COURT FUND							
Expenditures							
136-000.00-806.101	AUDIT & ACCOUNTING FEES	16,535.00	16,905.00		17,040.00	(135.00)	100.80
136-000.00-818.000	CONTRACTUAL SERVICES	100,968.58	176,902.00		89,154.77	87,747.23	50.40
136-000.00-853.000	TELECOMMUNICATIONS	24,597.70	23,250.00		12,829.97	10,420.03	55.18
136-000.00-860.000	TRANSPORTATION AND TRAINING	10,087.92	18,300.00		7,419.39	10,880.61	40.54
136-000.00-861.000	MILEAGE	690.31	2,400.00		984.16	1,415.84	41.01
136-000.00-920.000	PUBLIC UTILITIES	61,901.23	103,890.00		71,480.40	32,409.60	68.80
136-000.00-934.000	MAINTENANCE, OFFICE EQUIPMENT	14,435.00	20,387.00		11,912.65	8,474.35	58.43
136-000.00-935.000	MAINT, BUILDINGS & GROUNDS	59,761.46	81,182.00		48,489.85	32,692.15	59.73
136-000.00-936.000	CLEANING & UNIFORMS	1,082.32	3,300.00		1,130.41	2,169.59	34.25
136-000.00-943.000	EQUIPMENT RENTAL	2,713.59	18,472.00		12,951.42	5,520.58	70.11
136-000.00-955.000	MEMBERSHIPS	4,740.00	6,660.00		5,248.88	1,411.12	78.81
136-000.00-956.000	MISCELLANEOUS EXPENSE	6,901.55	8,000.00		7,890.69	109.31	98.63
136-000.00-959.500	BANKING CHARGES	0.00	3,000.00		(2,582.33)	5,582.33	(86.08)
136-000.00-963.000	INSURANCE & BONDS	29,191.75	33,152.00		26,906.12	6,245.88	81.16
136-000.00-977.000	CAPITAL OUTLAY, EQUIPMENT	41,943.79	228,930.00		160,275.25	68,654.75	70.01
Total Dept 000.00		2,450,938.26	3,993,996.00		2,823,591.81	1,170,404.19	70.70
Dept 000.01 - DRUG COURT							
136-000.01-801.702	MI DRUG COURT	5,582.30	5,000.00		5,214.47	(214.47)	104.29
Total Dept 000.01 - DRUG COURT		5,582.30	5,000.00		5,214.47	(214.47)	104.29
TOTAL EXPENDITURES		2,456,520.56	3,998,996.00		2,828,806.28	1,170,189.72	70.74
Total Fund 136 - 47TH DISTRICT COURT FUND							
TOTAL ASSETS		686,399.69		937,367.69	566,847.62		
BEG. FUND BALANCE		553,613.67		797,962.30	797,962.30		
+ NET OF REVENUES & EXPENDITURES		133,381.70	(228,931.00)		(230,914.05)	1,983.05	100.87
= ENDING FUND BALANCE		686,995.37		797,962.30	567,048.25		
+ LIABILITIES		(595.68)		139,405.39	(200.63)		
= TOTAL LIABILITIES AND FUND BALANCE		686,399.69		937,367.69	566,847.62		

INVESTMENT REPORT
CITY OF FARMINGTON
QUARTER ENDED MARCH, 2024

Submitted by:
Christopher M. Weber, Director of Finance and Administration

CITY OF FARMINGTON
 QUARTER ENDING
 MARCH 2024

	BALANCE	BALANCE	BALANCE	RATE OF RETURN			MATURITY	RATING	RATING AGENCY
	1/31/24	2/29/24	3/31/24	1/31/24	2/29/24	3/31/24			
Pooled Mutual Funds:									
Comerica	\$ 4,765,837	\$ 4,785,323	\$ 4,806,196	5.16%	5.15%	5.14%	Daily	Not rated	N/A
Oakland County Investment Pool	971,026	972,491	974,164	1.74%	1.91%	2.03%	Daily	Not rated	N/A
Michigan Class	8,975,383	9,014,244	8,054,179	5.40%	5.44%	5.49%	Daily	AAAm	S&P
Total Pooled Funds:	14,712,245	14,772,058	13,834,538						
Certificates of Deposit:	-	-	-						
Total Certificates of Deposit:	-	-	-						
JPMorgan Chase									
100% US Treasury Funds	\$ 1,610,056	\$ 779,294	\$ 1,462,089	4.80%	4.78%	4.79%			
Uninvested	\$ 446,703	\$ 417,960	\$ 423,416	2.15%	2.15%	2.15%			
	\$ 2,056,759	\$ 1,197,254	\$ 1,885,506						
Less: Authorities/Entities**	(2,106,598)	(1,827,761)	(1,627,265)						
TOTAL:	\$ 14,662,406	\$ 14,141,551	\$ 14,092,779						

** Investment Balances do not include the investments of the 47th District Court, the Farmington Brownfield Redevelopment Authority, the Corridor Improvement Authority, the Farmington Downtown Development Authority, the Friends of the Governor Warner Mansion, the Self Insurance Funds on deposit with MMRMA, or the Public Employee Health Care Funds invested with Morgan Stanley Smith Barney.



Farmington Public Safety Department

Public Safety Director Bob Houhanisin

April 2024 Public Safety Incidents

Forgery of checks

April 2, 2024, at approximately 03:00 PM officers were dispatched to the Flagstar Bank in Farmington for a forgery complaint. Officers met with the victim who reported that he mailed a check via the United States Postal Service. He later noticed on his bank statement that the check written was cashed for a larger amount and to a different recipient. The victim stated he did not know who might have obtained and cashed the check or when it might have been intercepted and altered. The case has been forwarded to the detective bureau for follow up.

UDAA

On April 6, 2024, at approximately 08:15 AM officers were dispatched to the 36000 block of Smithfield St for a reported vehicle theft. Officers made contact with the victim who stated the stolen vehicle, a 2023 Ford F-150 was left unlocked with the keys inside of it sometime overnight. The suspect is unknown. The vehicle was later recovered by Detroit Police Department. There were, however, some items of value missing from the recovered vehicle. The case has been forwarded to the detective bureau for follow up.

B&E

On April 10, 2024, at approximately 09:00 PM officers were dispatched to the 33000 block of Freedom on a suspicious person near a commercial building. Officers met with the reporting party who gave officers a description of the suspicious person. Officers checked the area and found no one, they did however discover a propped open door on the building. Officers made entry and found one individual inside who did not have permission to be there. Officers placed the suspect, a 27-year-old female under arrest for B&E. The case was forwarded on to the Oakland County Prosecutors office.

Liquor Violation

On April 10, 2024, at approximately 03:30 PM at Grand River and Halsted, officers were on routine patrol when they observed a subject drinking what appeared to be an open beer can. Officers made contact with the suspect, a 57-year-old male and confirmed that he was consuming an open beer. Officers cited the suspect for consumption of alcohol in public and released him from the scene.

Customer Trouble / Assault and Battery

On 04/21/2024, at approximately 9:10 PM, officers were dispatched to a business on the 31000 block of Grand River for a report of two customers who had gotten into a fight with each other in the parking lot. Upon arrival, officers met with the victim of the assault. The unidentified aggressor in the fight was no longer on scene. The victim explained that he had gotten into a disagreement with another customer in the parking lot and was then punched in the mouth. The victim refused medical attention and did not wish to press charges on the other customer. As a result, the victim was driven home, and the case was closed.



Trespassing

On 04/19/2024, at approximately 10:40 AM, officers were dispatched to a business on the 24000 block of Orchard Lake for a report of a customer that had returned to the store after having been previously advised not to return or they would be cited for trespassing. Officers made the location and learned the customer had been advised not to return to the store because of shoplifting in the past. Officers cited the customer for trespassing and reminded him not to return to the store again.

Disorderly Conduct

On 04/19/2024, at approximately 3:00 AM, an officer was on patrol in the area of Nine Mile and Farmington Rd when he observed a car parked at a gas station pump while the gas station was closed. The officer approached the car and observed a female outside of the car on the passenger side. She was squatting and urinating on the ground. The female was cited for disorderly conduct – urinating in public and was released from the scene.

Possession of Methamphetamine

On April 26, 2024, at approximately 12:30 PM officers were dispatched to a welfare check for a male that was seen staggering into traffic in the area of Grand River and Orchard Lake. Officers arrived in the area and were able to locate the subject. Officers made contact with the subject and conducted an investigation leading to the discovery of methamphetamine. The case will be forwarded on to the Oakland County Prosecutors office for warrant consideration.

Fraud

On April 27, 2024, at approximately 12:00 PM this department took a front desk report for a fraud. The victim reported that they received a phone call from an unknown male stating he was a representative for a bank and that the victim owed the bank a sum of money. The victim told the caller that she did not have the entirety of the amount, but that she could pay some. The suspect agreed to accept the lower sum of money, which the victim paid by credit card over the phone. The case has been forwarded on to the detective bureau for investigation.

CALL TYPE & QUANTITY

TOTAL CALLS	TRAFFIC STOPS	MEDICALS	FIRE CALLS	CRASHES
607	267	57	9	8

OVI	OUID	DWLS	WARRANT	FELONY
2	0	7	10	1



Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6A
Submitted by: Melissa Andrade		
Agenda Topic: Proclamation: National Gun Violence Awareness Day, Friday June 7, 2024. (Wear Orange Day)		
Proposed Motion: Move at accept the proclamation naming the first Friday in June - June 7, 2024 - National Gun Violence Awareness Day.		
<p>Background: This request is being made to honor the people killed daily by guns in our country; it's meant to raise awareness; and is nonpolitical in nature. Sadly, for every person killed, an average of two more are wounded. Gun deaths take many forms including suicides, domestic violence, unintentional shootings, and homicides. Gun violence is now the leading cause of death for American children and teens.</p> <p>By proclaiming June 7, 2024, as Gun Violence Awareness Day, the City of Farmington will join hundreds of others across our nation in bringing attention to these tragedies. The color orange has a long and proud history in the gun safety movement. Orange is the color that Hadiya Pendleton's friends wore in her honor after she was shot and killed in Chicago at the age of 15 — just one week after performing at President Obama's second inaugural parade in 2013. Whether it's worn by hunters in the woods of Pennsylvania, activists in New York City, or Hadiya's loved ones in Chicago, orange honors the lives cut short and the hundreds more wounded by gun violence every day and demands action.</p> <p>Since the first National Gun Violence Awareness Day in 2015, hundreds of communities and organizations continue to commemorate that event by wearing orange, holding community events, lighting skylines orange, and issuing city and state proclamations to raise awareness.</p>		
Materials: Proclamation		



2024 CITY of FARMINGTON PROCLAMATION
DECLARING THE FIRST FRIDAY IN JUNE TO BE
NATIONAL GUN VIOLENCE AWARENESS DAY

This proclamation declares the first Friday in June to be National Gun Violence Awareness Day in the City of Farmington to honor and remember all victims and survivors of gun violence and to declare that we as a country must do more to end this public health crisis.

WHEREAS, every day, 120 Americans are killed by gun violence and more than 200 are shot and wounded, with an average of nearly 18,000 gun homicides every year; and

WHEREAS, Americans are 26 times more likely to die by gun homicide than people in other high-income countries; and

WHEREAS, Michigan has 1,382 gun deaths every year, with a rate of 13.7 deaths per 100,000 people, a crisis that costs the state \$16.8 billion each year, of which \$380.5 million is paid by taxpayers. Michigan has the 34th highest rate of gun deaths in the US; and

WHEREAS, gun homicides and assaults are concentrated in cities, with more than half of all firearm related gun deaths in the nation occurring in 127 cities; and

WHEREAS, cities across the nation, including Farmington, are working to end this senseless violence with evidence-based solutions; and

WHEREAS, protecting public safety in the communities they serve is mayors' highest responsibility; and

WHEREAS, support for the Second Amendment rights of law-abiding citizens goes hand-in-hand with keeping guns away from people with dangerous histories; and

WHEREAS, mayors and law enforcement officers—in partnership with local violence intervention activists and resources—know their communities best, are the most familiar with local criminal activity and how to address it, and are best positioned to understand how to keep their citizens safe; and

WHEREAS, gun violence prevention is more important than ever as we see an increase in firearm homicides, and nonfatal shootings across the country, increased calls to domestic violence hotlines, and an increase in city gun violence;

WHEREAS, in January 2013, Hadiya Pendleton was tragically shot and killed at age 15; and on June 7, 2024 to recognize the 27th birthday of Hadiya Pendleton (born: June 2, 1997), people across the United States will recognize National Gun Violence Awareness Day and wear orange in tribute to -

- (1) Hadiya Pendleton and other victims of gun violence; and
- (2) the loved ones of those victims; and

WHEREAS, the idea was inspired by a group of Hadiya's friends, who asked their classmates to commemorate her life by wearing orange; they chose this color because hunters wear orange to announce themselves to other hunters when out in the woods, and orange is a color that symbolizes the value of human life; and

WHEREAS, anyone can join this campaign by pledging to wear orange on June 7th, the first Friday in June in 2024, to help raise awareness about gun violence; and

WHEREAS, by wearing orange on June 7, 2024 Americans will raise awareness about gun violence and honor the lives of gun violence victims and survivors; and

WHEREAS, we renew our commitment to reduce gun violence and pledge to do all we can to keep firearms out of the hands of people who should not have access to them, and encourage responsible gun ownership to help keep our families and communities safe.

NOW, THEREFORE BE IT RESOLVED, that Mayor Joe LaRussa, of the city of Farmington, declares the first Friday in June, June 7, 2024, to be National Gun Violence Awareness Day. I encourage all citizens to support their local communities' efforts to prevent the tragic effects of gun violence and to honor and value human lives.

Farmington Mayor Joe LaRussa
May 20, 2024

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Reference Number 6B
Submitted by: David Murphy, City Manager		
Description Grand River Corridor Improvement Authority (CIA) TIF updated plan.		
Requested Action Motion to approve the CIA updated TIF plan.		
Background The CIA wanted to review and update their TIF plan because it had been in place for ten years. In the late summer of 2023, the CIA contracted with Orchard Hiltz & McCliment (OHM) as the consultant to review and update their TIF plan.		
Materials: Amended TIF plan and executive summary.		



Grand River Corridor Improvement Authority

Development and Tax Increment Financing Plan

Addendum | March 2024



Acknowledgements

The Grand River Corridor Improvement Authority was established in 2013, pursuant to the Corridor Improvement Authority Act (Act 280 of 2005). The purpose of the Authority is to develop a strategy for revitalization of the Grand River Avenue Corridor in the City of Farmington. For their vision and development of this plan, the following community leaders are recognized:

The projects in this plan are based on the findings and recommendations from the Grand River Corridor Vision Plan. For their leadership in developing that document, the City of Farmington wishes to acknowledge OHM Engineering Advisors:



City of Farmington

Kevin Christiansen, AICP, PCP
Planning and Building Director

CIA City of Farmington

Mark Accettura
Dr. David Carron
Richard Graham
Paul King
Patrick Thomas
Randy O'Dell
Joe LaRussa, Mayor

ADOPTED BY :

CORRIDOR IMPROVEMENT AUTHORITY BOARD: _____

FARMINGTON CITY COUNCIL: _____



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DEVELOPMENT PLAN

The physical corridor conditions remain principally unchanged since 2014 and the community sentiment still reflects the updated needs and desires referenced in the 2022 Vision Plan. The same is true for several key sections of the Development Plan (i.e. goals and objectives, emerging ideas, and most of the proposed improvements); however, due to the completion of a few projects along with the identified need to refine improvements and project list, the following shall be deemed a more appropriate list.

PROPOSED IMPROVEMENTS

During development of the original Grand River Corridor Vision Plan, a variety of strategies were developed to encapsulate the necessary changes and initiatives that need to be made in order to see the Plan to fruition. While the following list does not include every project that may be needed to achieve success, the updated list summarizes the key aspects under review at the time this addendum was developed. From the following list, the prioritized project list, included in the next section, was updated:

- Redesign the Grand River split to M-5
- Create a streetscape design that complements that of Farmington Road, including landscaped gateways
- Explore Grand River Road Diet
- Develop a detailed transportation plan
- Improve pedestrian road crossings at key locations
- Improve the environment for transit
- Develop a nature trail or multi-use pathway along the river, acknowledging that it will require a multi-phased approach
- Develop public gathering areas, including recreational facilities and parks
- Build on existing sites like the winery site along with those with river views
- Allow mixed use buildings along the Grand River road frontage
- Encourage green design principles via a green development incentive program
- Work with property owners to identify financing/incentive opportunities
- Evaluate, update, and implement the previously created a logo, branding, and marketing package
- Bury utility lines, whenever deemed viable

PROJECT LIST

As noted above, the list of projects in this Plan was based on the work completed and subsequently updated during the Grand River Corridor Vision Plan development. It is expected that this list will continue to evolve as experience of the CIA grows, conditions change within the development area, and additional opportunities arise.

The estimated costs listed are not based on actual cost proposals, rather are provided to give a general estimate of the costs that may be incurred. Actual costs will be determined by a number of factors including formal consultant proposals, detailed engineering studies, and additional project planning that is part of the list of initial projects. However, a basic estimate of cost is provided so the CIA can effectively budget for these projects in the future.

TABLE 1: PROJECT LIST

PROJECT LIST	ESTIMATED COST
Logo and Branding <i>Evaluate, Update, and Implement (excluding production) the Marketing Package</i>	\$6,000
Catalytic projects <i>Land acquisition, partnerships, marketing</i>	TBD
Transportation Study	\$100,000
Streetscape Plan	\$30,000
Pedestrian Crossings <i>At a minimum Power and Orchard Lake</i>	TBD
Park Assessment Plan <i>Updated Orchard Lake Focus Area Open Space</i>	\$20,000
Gateway Enhancement	\$40,000
Nature Trail	TBD
Total Cost of All Projects:	\$196,000 +

A detailed description of the projects is provided in Table 1. While there are limited changes from the original version, with the exception of the removal of the zoning update, the descriptions have still be included for ease of reference.

CATALYTIC PROJECTS

Land acquisition, partnerships, marketing

As part of its ongoing economic development efforts, the City is actively involved in facilitating redevelopment. Using the tools identified in the Introduction of the original Plan, the City has worked successfully to improve private property, and plans to continue these efforts within the Grand River CIA development area. These projects are expected to facilitate implementation of the Grand River Corridor Vision Plan, attract initial reinvestment that will improve the overall tax base, and build community support. While specific details of these projects were not known at the time this Plan was developed, the City expects that it will continue to use Special Assessment Districts, Commercial Rehabilitation Districts, public-private partnerships, and other avenues to create redevelopment momentum. The City expects to incur costs associated with real estate broker services, legal assistance, planning and zoning support, and other soft costs needed to implement catalytic projects. Other hard costs for land acquisition and development may also be incurred, but as noted, the City plans to use capital financing resources only as needed.

LOGO AND BRANDING

Evaluate, Update, and Implement the Marketing Package

The cities of Farmington and Farmington Hills worked jointly to develop a cohesive brand theme for the corridor. As part of the original project, the base marketing materials were developed to incorporate an unifying logo and layout. It also included corridor signage and gateway identification enhancements. The costs associated with this project include the cost to evaluate, update (if applicable) and implement of the previously recommended logo, signs, and supporting print materials, but not actual creation of these items. The latter costs will depend on the final updated recommendations as well as other projects discussed below, including the Transportation Study and Streetscape Plan.

TRANSPORTATION STUDY

One of the barriers to reversing economic decline along some portions of the corridor is the existing transportation system. Grand River Avenue carries traffic from the City of Detroit through Farmington and on to cities to its northwest. In the 1950s, as part of the I-96 freeway system, the M-5 bypass was constructed that diverted traffic at the City's east end onto the freeway that extends northwest and connects with I-96/I-275 and the M-5/Haggerty Connector near the City of Novi. This construction caused a reduction in traffic volumes along the local portion of Grand River Avenue, which also led to reduced economic viability for some businesses. The complicated and sometimes confusing routes created by the new freeway construction compounded the issue. At the same time, the reduced traffic volumes have resulted in a physical road profile that exceeds Grand River Avenue's functional needs. This presents an opportunity to reclaim unnecessary traffic lanes for use by other modes of traffic like non-motorized to transit, or for other public purposes. The City plans to further study the dynamics of transportation throughout the district to determine which will best serve businesses and residents in the area. The Grand River Corridor Vision Plan revealed the need to study a potential road diet for all or portions of Grand River Avenue, improve southeast bound access to the median portions of Grand River in the City of Farmington Hills, and evaluate potential intersection and other improvements at both Orchard Lake Road intersections, including possible roundabouts or road realignments.

STREETScape PLAN

Once expected transportation changes are known, and after branding materials are updated and implemented, the City will combine the ideas presented into a plan for streets that will help associate them to the corridor. The streetscape plan may include concepts and designs for roads planned to be re-aligned, re-located or redesigned.

PARK ASSESSMENT PLAN

Updated Orchard Lake Focus Area Open Space

The updated Grand River Corridor Vision Plan revealed various open space and public area opportunities within the development area. These opportunities were associated with potential redevelopment projects associated with the Winery, but there may be additional opportunity to provide public parks within the development area. Comparing existing recreational facilities to current and expected demand will reveal if and where additional parkland and public areas may be needed. One specifically designated in the Vision Plan included a community open space as part of the Orchard Lake Road Focus Area. This project will require public/private partnerships since the land is privately-owned. However, it is expected that the various implementation tools described in the original plan can be used to accomplish viable redevelopment and inclusion of public open spaces. The City expects that it may be involved in initial development of the public plaza, management of events and maintenance in the future. The costs associated with this project will include development of a park plan for the district, which is expected to include a detailed plan for the Orchard Lake Road Focus Area open space.

PEDESTRIAN CROSSINGS

No less than Power and Orchard Lake Roads

It is expected that changes will be needed to various intersections along the corridor. In particular, the intersections at Orchard Lake Road create potential pedestrian barriers, especially given the traffic volumes and narrow road-right-of-way in this area of the corridor. Some improvements will be needed to enhance safety and comfort for non-motorized traffic. The extent of these changes will depend on the results of the Transportation Study; therefore, the final costs of this project are not currently known. The purpose of this project is to implement the recommended intersection improvements that may be needed to facilitate non-motorized movements along the corridor. Additional prioritization of sub-projects will likely be needed, but the initial focus will be to ensure safety at the key intersections at Power Road and Orchard Lake Road.

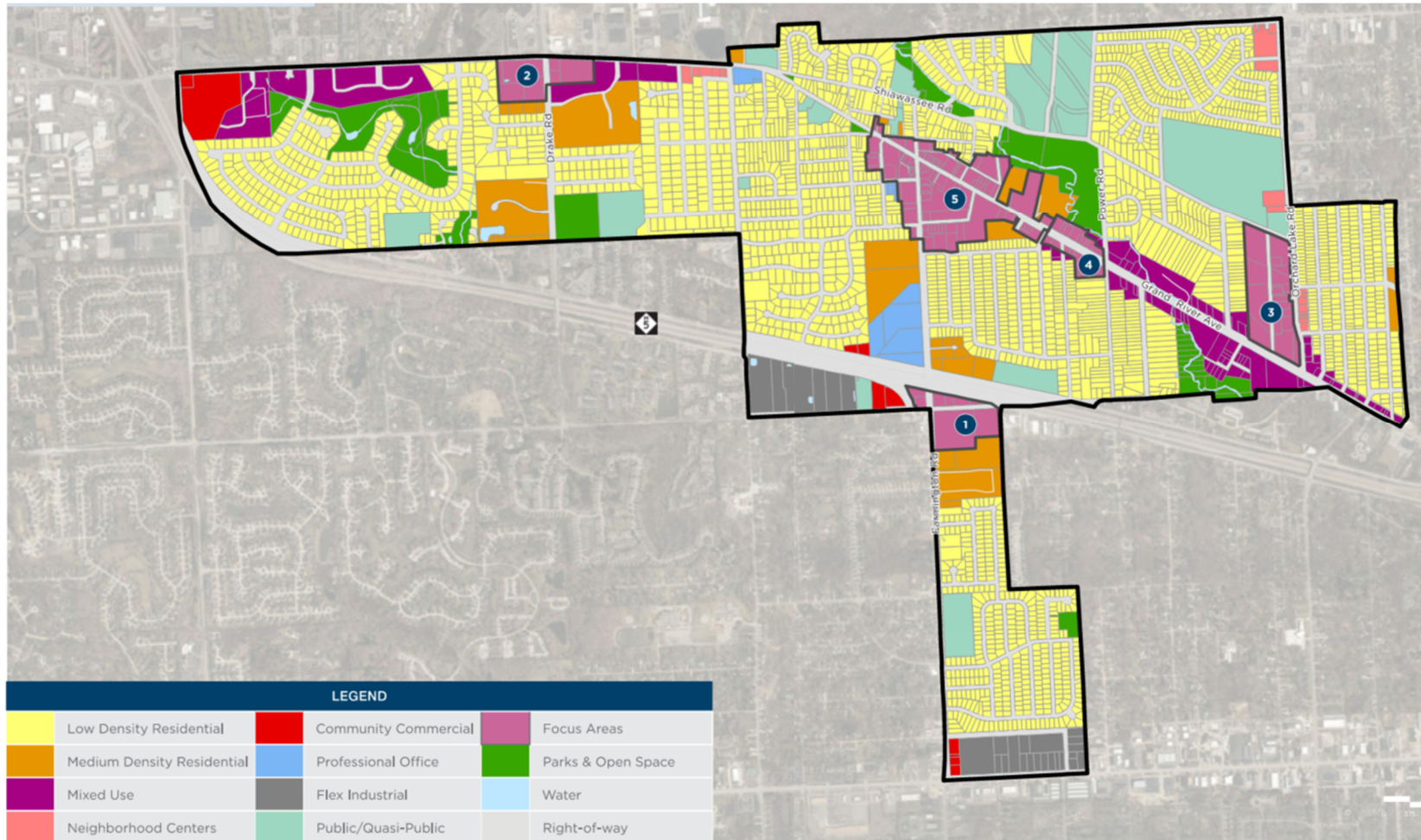
GATEWAY ENHANCEMENTS

As part of the Grand River Corridor Vision Plan, gateways are envisioned at the entry points to the corridor and the City. They serve to welcome visitors, workers, and residents, and orients visitors to the corridor. They provide opportunities to frame perceptions of the community and can reinforce a larger marketing effort aimed at branding the corridor. Gateways can also be effective at calming traffic and improving safety. Gateway designs will be developed jointly with the City of Farmington Hills' CIA Board and will likely relate to the initial Logo and Branding concepts that were developed in the original Development Plan. The cost assigned to this project represents an estimate to generally improve entry points into the City and corridor using signage and landscaping.

NATURE TRAIL

A somewhat unknown resource within the development area is the Rouge River. The River presents development opportunities that have not yet been utilized. The City envisions that future developments will embrace the river corridor, and eventually the river will be improved with a passive trail system that will provide residents with access to the river.

IMPLEMENTATION



FUTURE LAND USE

The Future Land Use Map outlines the preferred uses throughout the Corridor and is a product of the existing conditions analysis and stakeholder and public input. This Plan offers a certain amount of flexibility so businesses and governments can react to specific market demands that may occur. However, it does provide a broad outline of where certain uses would be best utilized. Refer to the original Development Plan for the details associated with this section.

ORCHARD LAKE ROAD FOCUS AREA

The original focus area concept for Orchard Lake aimed to create a pedestrian-friendly experience that offered significant public space, a mixture of uses, and celebrated the historic winery. While the intent remains valid today, a slight reconfiguration of the proposed uses was deemed necessary. The road layout shown in the original concept has also been eliminated, reverting to the existing layout, as shown in Figure 1.

The winery remains the catalyst for the area and is slated for mixed use development. The area surrounding the winery should offer public space for gathering and both community-wide and winery-related events and activities. The buildings shown in white are to remain, as they are also anchors to the development area.

FIGURE 1: ORCHARD LAKE ROAD



Mixed Use Residential: Townhouse Residential: Multi Family Open/Green Space

DEVELOPMENT PLAN

CORRIDOR DESIGN GUIDELINES

The following was included in the original Development Plan and should still be incorporated into development along the corridor:

Setbacks

- ◆ Match residential areas to current residential districts
- ◆ No minimum front setback for Commercial/Mixed Use
- ◆ Consider a build-to requirement or a build-to “zone”

Transitions

- ◆ Require rear buffers/walls/landscaping between single family residential and other uses
- ◆ Encourage building step-backs to transition from larger scale buildings to adjacent neighborhoods

Lot size and coverage

- ◆ Match residential areas to current residential districts
- ◆ No minimum or maximum for Commercial/Mixed Use

Signs

- ◆ Maintain visibility for commercial signage
- ◆ Match sign size and height to speed limit on Grand River
- ◆ Consider visibility across median

Building Design

- ◆ Regulate quality, not architecture
- ◆ Require min. storefront height and min. window area for first floor
- ◆ Allow colors that are consistent with established Grand River theme
- ◆ Establish lighting standards that consider modern, sustainable lighting options.

Parking

- ◆ Refer to each city’s current parking standards, but consider flexibility for other available shared, structured, or municipal parking
- ◆ Allow parking study to determine when less or more should be required

Streetscaping

- ◆ Front yards should maintain visibility of entrances and present high-quality building fronts
- ◆ Require sidewalks along all street frontages, with wider paths along Grand River
- ◆ Establish a street tree policy that is unique for the corridor
- ◆ Consider uniform streetlights

TAX INCREMENT FINANCING PLAN

EXPLANATION OF TAX INCREMENT FINANCING

Tax Increment Financing (TIF) is a method of funding public investments in an area slated for (re)development by capturing, for a time, all or a portion of the increased tax revenue that may result from increases in property values, either because of (re)development or general market inflation.

Once the TIF expires (scheduled for 2034), the CIA will cease its revenue capture and 100% of taxes collected from future property values will be distributed to the appropriate taxing agencies in place at that time. To use TIF financing, the CIA must prepare a **Development Plan** and a **TIF Plan**. Both plans were submitted to the City Council, who must approve the plans. While the original plans were approved as required, the duration of time since adoption necessitates this update to verify the validity of the original assumptions and update accordingly.

EXPLANATION OF THE TAX INCREMENT PROCEEDURE

EXPLANATION OF TAX INCREMENT FINANCING

Tax Increment Financing (TIF financing) is a method of funding public investments in an area slated for (re)development by capturing, for a time, all or a portion of the increased tax revenue that may result from increases in property values, either because of (re) development or general market inflation. Once the TIF expires (scheduled for 2034), the CIA will cease its revenue capture and 100% of taxes collected from future property values will be distributed to the appropriate taxing agencies in place at that time. To utilize TIF financing, the CIA must prepare a Development Plan and a TIF Plan. Both plans were submitted to the City Council, who must approve the plans. While the original plans were approved as required, the duration of time since adoption necessitates this update to verify the validity of the original assumptions and update accordingly.

TIF REVENUE

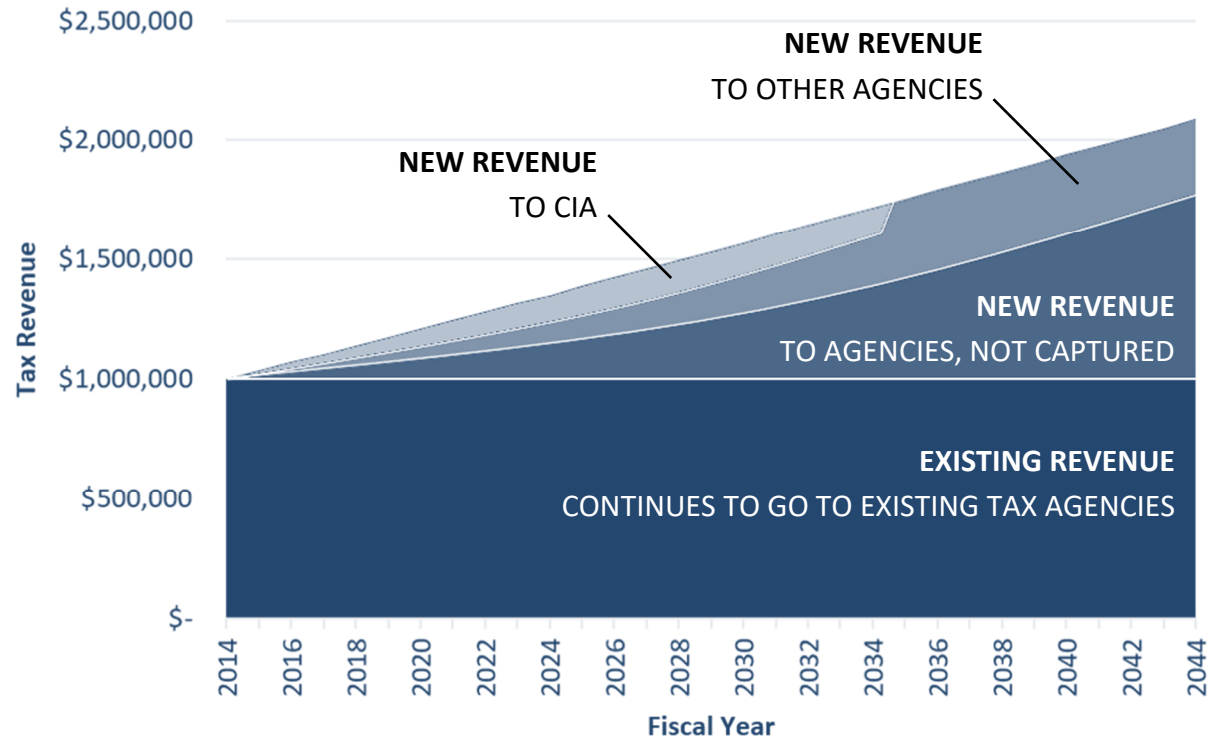
TIF Revenue represents the value of new taxes that may be received because of new property value increases. Figure 2 is an illustrative example of how existing taxes collected from property within the district will continue to go to the agencies who currently receive them. Future increases in tax revenue will be split as follows:

To Agencies Not Captured - 100% of new taxes collected for School agencies (including the Community College), the Downtown Development Authority, the Huron-Clinton Metroparks Association, the Detroit Zoo, and Detroit Institute of Arts will continue to go to those authorities.

To Other Agencies - 50% of new taxes collected for County Operating, County Parks, Oakland Transit, City Operating and Capital Improvements, City Streets, 2018 Voted CAP and OP, and Library will be distributed to those agencies.

To CIA - 50% of new taxes collected will be captured by the CIA for reinvestment within the district through 2034.

FIGURE 2 – ILLUSTRATIVE EXAMPLE OF CIA REVENUE



The Base Value for this plan is the taxable value of all real and applicable personal property in the development area as determined on December 31, 2013, and finally equalized by the state in May 2014. The Base Value of the district is \$15,803,050 (previous plan denoted a value of \$15,936,450 but since 2015 the lower amount has remained the base value).

TIF REVENUE ASSUMPTIONS

The purpose of the Tax Increment Financing Plan is to evaluate potential revenues from tax increment capture and ensure it will be sufficient to cover anticipated costs. Therefore, some assumptions are involved in the calculations to project property values into the future and determine anticipated revenues. The figures in the TIF Plan included known revenues and tax capture; however, after 2023 the Plan includes estimates of revenue that apply the best available data and most reasonable assumptions.

This TIF Plan is based on 2023 assessments and millage data provided by Oakland County, and the following assumptions:

- ◆ A limit to the amount of TIF capture was included. The CIA captures only 50% of the Captured Value.
- ◆ A modest increase in property values was assumed. A conservative growth rate of 3.0% was used in the projections for future TIF revenue. However, values should increase more rapidly as redevelopment occurs within the district.
- ◆ Various millage levies have been excluded from capture. Table 2 shows only the captured millage levies for this TIF Plan, each of which are assumed to remain in place for the duration of the plan.

TABLE 2 – 2023 CAPTURED MILLAGE LEVIES

Taxing Jurisdiction	Combined Levy
County Operating	3.9686
County Parks	0.3431
Oakland Transit (started in 2022)	0.9500
City Operating and Capital Improvements	14.0000
City Streets	1.4040
2018 Voted CAP	2.0000
2018 Voted OP	0.8302
Library	1.4742
Total Capture	24.9701

PROJECTED TIF REVENUE

Table 3 shows the projected revenues expected for the district. It represents the amount the CIA has and can anticipate in TIF Revenue, based on the assumptions given above. The increases in property values are based on a modest inflation rate. However, property values, and resulting TIF capture should exceed these figures as redevelopment increases property values at a more rapid rate. The duration of the TIF plan is twenty (20) years, commencing upon approval by the City Council in 2014 and will cease with tax collections due in December 2034, unless this plan is amended to extend or shorten its duration.

2014 TIF SUMMARY	
Base Value (2013)*	\$15,803,050
Millage Captured*	21.6071
Millage Not Captured	40.684
2014 CIA Revenue	\$0

*Corrected from 2014 plan

2023 TIF SUMMARY	
Base Value (2013)	\$15,803,050
Millage Captured	24.9701
Millage Not Captured	34.1225
2023 CIA Revenue	\$66,000

TABLE 3 – ACTUAL AND ESTIMATED TIF REVENUES

	Fiscal Year	Base Value	% Value Increase	Value Capture Increase (50%)	Annual TIF Revenue	Compounded TIF Revenue (excludes startup capital and expenditures)
ACTUAL	2013	\$15,803,050	0.0%	\$0	\$0	\$0
	2014	\$15,803,050	0.0%	\$0	\$0	\$0
	2015	\$15,803,050	0.0%	\$0	\$0	\$0
	2016	\$15,803,050	0.0%	\$0	\$0	\$0
	2017	\$15,803,050	0.0%	\$0	\$0	\$0
	2018	\$15,803,050	0.0%	\$0	\$0	\$0
	2019	\$15,803,050	100.0%	\$896,210	\$9,981	\$9,981
	2020	\$15,803,050	69.7%	\$2,957,320	\$37,309	\$47,291
	2021	\$15,803,050	15.5%	\$3,501,520	\$44,038	\$91,328
	2022	\$15,803,050	13.5%	\$4,046,320	\$50,519	\$141,847
ESTIMATE	2023	\$15,803,050	23.4%	\$5,285,240	\$66,000	\$207,847
	2024	\$15,803,050	3.0%	\$5,443,797	\$67,980	\$275,827
	2025	\$15,803,050	3.0%	\$5,607,111	\$70,019	\$345,846
	2026	\$15,803,050	3.0%	\$5,775,324	\$72,119	\$417,966
	2027	\$15,803,050	3.0%	\$5,948,584	\$74,282	\$492,248
	2028	\$15,803,050	3.0%	\$6,127,042	\$76,510	\$568,758
	2029	\$15,803,050	3.0%	\$6,310,853	\$78,805	\$647,564
	2030	\$15,803,050	3.0%	\$6,500,179	\$81,169	\$728,733
	2031	\$15,803,050	3.0%	\$6,695,184	\$74,127	\$802,860
	2032	\$15,803,050	3.0%	\$6,896,039	\$76,351	\$879,211
	2033	\$15,803,050	3.0%	\$7,102,921	\$78,641	\$957,852
	2034	\$15,803,050	3.0%	\$7,316,008	\$81,000	\$1,038,852

PROJECTED TIF REVENUE

Table 3 depicts the actual value increase, captured value, and TIF revenue from the adoption of the 2014 Plan through present. Where it differs from the original Plan is that through 2023 the values are no longer estimates but audited amounts. However, from 2024 through 2034, the remainder of the TIF Plan, the values are estimates based upon an assumed 3% annual increase. Key factors are as follows:

- ◆ Up until 2019, the CIA district experienced a negative capture thus all rows between 2013-2018 represent the zero-sum gain.
- ◆ A 3% estimated increase in value is relatively low when compared to the past few years but is close to average when considering a 20-year timeframe.
- ◆ As noted previously, the value capture is 50% of the total value within the CIA.
- ◆ The compounded TIF revenue does not factor in interest rates or expenses both of which are calculated separately.

As noted above, the CIA did not start capturing tax increments until 2019, but to ensure that the appropriate documents were in place following creation of the authority, the general fund covered the cost to prepare the joint CIA Vision Plan, the Downtown Area Plan, the Grand River Corridor Overlay District, Grand River Road Diet, and the retail study. Subsequently the Board authorized utilization of funds in FY 20/21 and FY 21/22 for contractual services to repair the sidewalks at Grand River and Violet and then completion of a joint Grand River Vision Plan update. Factoring in these expenditures with the captured tax increments, the CIA closed out FY 22/23 with a balance of \$247,755.14.

ESTIMATED IMPACT OF TAX INCREMENT FINANCING ON TAXING JURISDICTIONS

The CIA is eligible to capture tax increment revenues from the State local school district, and intermediate school district to the extent necessary to pay the debt service on the outstanding bonds that represent “eligible obligations.” However, at the present time there is no outstanding debt.

The most important impact on the affected taxing jurisdictions is that the amount of revenue they received from the property within the district as of December 31, 2013, will remain unchanged during the life of the Plan. Thus, between January 2014 through December 31, 2034, the CIA will capture the revenue from any increase in property value, but at the agreed upon 50% of the captured value (see Table 4). The base amount would still flow to the appropriate taxing jurisdictions. In other words, the revenue to each taxing jurisdiction is effectively frozen at the base value for the entire term of the CIA Plan.

TABLE 4 – COMBINED TIF REVENUE

	Millage Rate		3.9686	0.3431	0.9500	14.0000	1.4040	2.8302	1.4742	TIF Revenue
	Fiscal Year	Capture Amount	County Operating	County Parks	County Transit (previously SMART/OCPTA)	City Operating	City Streets	Voted CAP & OP (previously capital improvement)	Library	
ACTUAL	2013	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2014	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2015	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2016	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2017	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2019	\$896,210	\$1,810	\$104	\$445	\$6,273	\$659	\$0	\$690	\$9,981
	2020	\$2,957,320	\$5,944	\$518	\$1,457	\$20,701	\$2,136	\$4,305	\$2,249	\$37,309
	2021	\$3,501,520	\$7,026	\$608	\$1,710	\$24,511	\$2,502	\$5,044	\$2,637	\$44,038
	2022	\$4,046,320	\$8,029	\$694	\$1,922	\$28,324	\$2,841	\$5,726	\$2,983	\$50,519
	2023	\$5,285,240	\$10,490	\$909	\$2,512	\$36,999	\$3,712	\$7,481	\$3,898	\$66,000
ESTIMATE	2024	\$5,443,797	\$10,804	\$936	\$2,588	\$38,109	\$3,824	\$7,706	\$4,015	\$67,980
	2025	\$5,607,111	\$11,128	\$964	\$2,665	\$39,252	\$3,938	\$7,937	\$4,135	\$70,019
	2026	\$5,775,324	\$11,462	\$993	\$2,745	\$40,429	\$4,056	\$8,175	\$4,259	\$72,119
	2027	\$5,948,584	\$11,806	\$1,022	\$2,828	\$41,642	\$4,178	\$8,420	\$4,387	\$74,282
	2028	\$6,127,042	\$12,160	\$1,053	\$2,912	\$42,891	\$4,303	\$8,672	\$4,518	\$76,510
	2029	\$6,310,853	\$12,525	\$1,085	\$3,000	\$44,178	\$4,432	\$8,932	\$4,654	\$78,805
	2030	\$6,500,179	\$12,900	\$1,117	\$3,090	\$45,503	\$4,565	\$9,200	\$4,793	\$81,169
	2031	\$6,695,184	\$13,287	\$1,151	\$3,182	\$46,868	\$4,702	\$0	\$4,937	\$74,127
	2032	\$6,896,039	\$13,686	\$1,185	\$3,278	\$48,274	\$4,843	\$0	\$5,085	\$76,351
	2033	\$7,102,921	\$14,096	\$1,221	\$3,376	\$49,722	\$4,988	\$0	\$5,238	\$78,641
	2034	\$7,316,008	\$14,519	\$1,257	\$3,477	\$51,214	\$5,138	\$0	\$5,395	\$81,000

APPENDIX: BASE AND CURRENT PARCEL DATA

	Personal Property	Note: Not all personal property is valued at \$0. Personal Property is still taxed and captured unless they are eligible, have applied, and are approved for an exemption.
	Within Downtown Development Authority	
	Nontaxable	

<u>Parcel</u>	<u>Owner</u>	<u>Property Address</u>	<u>2014 Base Value</u>	<u>2023 Taxable Value</u>	<u>2023 Captured Value</u>
20-23-26-351-001	J & P LEASING, LLC	22882 ORCHARD LAKE RD	\$108,160	\$157,630	\$49,470
20-23-26-351-002	LV CABINETS INC.	22856 ORCHARD LAKE RD	\$84,910	\$117,340	\$32,430
20-23-26-351-005	YONO PROPERTY INVESTMENTS, LLC	22804 ORCHARD LAKE RD	\$154,910	\$186,590	\$31,680
20-23-26-351-006	MNM PROPERTY GROUP LLC	22784 ORCHARD LAKE RD	\$51,900	\$88,510	\$36,610
20-23-26-351-007	MNM PROPERTY GROUP LLC	22772 ORCHARD LAKE RD	\$34,300	\$56,820	\$22,520
20-23-26-351-008	BEALE, PAUL W	22770 ORCHARD LAKE RD	\$33,200	\$39,950	\$6,750
20-23-26-351-009	LEROUX, MARY A	22748 ORCHARD LAKE RD	\$53,480	\$64,380	\$10,900
20-23-26-351-024	HERITAGE 2000 LLC	22840 ORCHARD LAKE RD	\$132,030	\$159,030	\$27,000
20-23-26-351-025	MAREK HOLDINGS, LLC	22730 ORCHARD LAKE RD	\$153,630	\$196,470	\$42,840
20-23-26-355-001	GRIPPO, DANIEL	22512 ORCHARD LAKE RD	\$98,420	\$118,510	\$20,090
20-23-26-355-002	K & D PAUL ENTERPRISES, LLC	22500 ORCHARD LAKE RD	\$151,450	\$187,610	\$36,160
20-23-26-355-005	GRANDORCH LLC	22424 ORCHARD LAKE RD	\$67,770	\$101,290	\$33,520
20-23-26-355-020	KAJY AND ASSOCIATES, INC.	31200 GRAND RIVER AVE	\$34,030	\$39,840	\$5,810
20-23-26-355-022	PINEHILL ORCHARD LAKE, L.L.C.	22456 ORCHARD LAKE RD	\$258,180	\$366,360	\$108,180
20-23-26-355-023	GRANDORCH LLC	22434 VIOLET ST	\$10,450	\$13,060	\$2,610
20-23-26-355-025	FLAGSTAR BANK, FSB	31230 GRAND RIVER AVE	\$312,890	\$322,200	\$9,310
20-23-26-356-002	F & L GRAND, LLC	31235 GRAND RIVER AVE	\$72,680	\$98,110	\$25,430
20-23-26-356-003	F & L GRAND, LLC	31233 GRAND RIVER AVE	\$104,300	\$192,320	\$88,020
20-23-26-357-010	CITY OF FARMINGTON	22402 VIOLET ST	\$0	\$0	\$0
20-23-26-357-023	DEDVUKAJ, TOM	31036 GRAND RIVER AVE	\$44,020	\$71,460	\$27,440
20-23-26-357-029	COMMUNITY PROPERTY LLC	31030 GRAND RIVER AVE	\$51,240	\$52,460	\$1,220
20-23-26-358-013	SMS PROPERTY DEVELOPMENT, LLC	22400 LILAC ST	\$17,580	\$19,720	\$2,140
20-23-27-326-004	GTY AUTO SERVICE, LLC	32686 GRAND RIVER AVE	\$131,910	\$199,520	\$67,610
20-23-27-326-005	32620 GRAND RIVER, LLC	32620 GRAND RIVER AVE	\$66,210	\$93,590	\$27,380
20-23-27-326-006	EDMONDS, ANNE H	32604 GRAND RIVER AVE	\$88,740	\$106,870	\$18,130
20-23-27-326-009	MCGILL, JEROME F	23107 POWER RD	\$5,070	\$5,920	\$850
20-23-27-326-010	SIX SUITES, LLC	32500 GRAND RIVER AVE STE 203	\$80,360	\$96,770	\$16,410
20-23-27-326-013	TAGHAVI, NASSER	32434 GRAND RIVER AVE	\$104,510	\$125,860	\$21,350
20-23-27-326-014	CAMPBELL, BRUCE	23105 POWER RD	\$37,030	\$44,560	\$7,530
20-23-27-326-015	32410 GRAND RIVER, LLC	32410 GRAND RIVER AVE	\$138,550	\$182,600	\$44,050
20-23-27-326-017	32580 GRAND RIVER, LLC	32580 GRAND RIVER AVE	\$132,150	\$159,160	\$27,010
20-23-27-326-018	SHIAWASSEE PARK VIEW APTS, LLC	32450 GRAND RIVER AVE	\$114,580	\$149,230	\$34,650

	Personal Property	Note: Not all personal property is valued at \$0. Personal Property is still taxed and captured unless they are eligible, have applied, and are approved for an exemption.
	Within Downtown Development Authority	
	Nontaxable	

<u>Parcel</u>	<u>Owner</u>	<u>Property Address</u>	<u>2014 Base Value</u>	<u>2023 Taxable Value</u>	<u>2023 Captured Value</u>
20-23-27-326-019	TAGHAVI, NASSER	32440 GRAND RIVER AVE	\$63,050	\$82,300	\$19,250
20-23-27-329-020	CAPGROW HOLDINGS JV	32617 GRAND RIVER AVE	\$163,400	\$253,340	\$89,940
20-23-27-329-046	LAWLEY HOLDINGS, LLC	32663 GRAND RIVER AVE	\$195,130	\$235,050	\$39,920
20-23-27-329-047	CAPGROW HOLDINGS JV	32715 GRAND RIVER AVE	\$23,640	\$42,370	\$18,730
20-23-27-330-001	FOXWORTHY, G BRUCE	32595 GRAND RIVER AVE	\$105,900	\$127,550	\$21,650
20-23-27-330-002	HARRY L LAPHAM JR TRUST	32523 GRAND RIVER AVE	\$113,600	\$136,820	\$23,220
20-23-27-330-058	YONO ENTERPRISES, LLC	32411 GRAND RIVER AVE	\$214,630	\$258,540	\$43,910
20-23-27-330-059	DOMPIERRE LAND COMPANY, LLC	32423 GRAND RIVER AVE	\$103,340	\$124,460	\$21,120
20-23-27-330-062	RAMSAY FAMILY TRUST NO. 1	32435 GRAND RIVER AVE	\$220,790	\$222,290	\$1,500
20-23-27-330-063	Z COMMERCIAL, LLC	32425 GRAND RIVER AVE	\$85,420	\$121,000	\$35,580
20-23-27-403-030	BOWMAN, JOHN V	22801 LAKE WAY ST	\$76,970	\$93,120	\$16,150
20-23-27-403-040	CITY OF FARMINGTON	31801 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-403-046	WILKIE, MARIE E	32000 GRAND RIVER AVE APT 1	\$17,220	\$20,710	\$3,490
20-23-27-403-135	SHEMSAN INVESTMENTS, LLC	31822 GRAND RIVER AVE	\$139,630	\$229,630	\$90,000
20-23-27-403-137	SHLAFFER, ROMAN	31930 GRAND RIVER AVE	\$169,550	\$204,230	\$34,680
20-23-27-403-138	ZANETTI, JEFFREY L	31904 GRAND RIVER AVE	\$266,640	\$321,190	\$54,550
20-23-27-403-139	BOWMAN, JOHN V	VACANT	\$1,454	\$4,280	\$2,826
20-23-27-403-140	VETTRAINO, MR DANIEL	31806 GRAND RIVER AVE	\$17,916	\$52,780	\$34,864
20-23-27-403-141	OM REAL ESTATE LLC	31806 GRAND RIVER AVE	\$64,450	\$134,790	\$70,340
20-23-27-404-002	J & B PROPERTY MANAGEMENT, LLC	32340 GRAND RIVER AVE	\$353,120	\$425,380	\$72,260
20-23-27-404-006	HART MORTGAGE, LLC	32300 GRAND RIVER AVE	\$57,900	\$102,270	\$44,370
20-23-27-404-007	GLUCK, MICHAEL	32330 GRAND RIVER AVE	\$79,720	\$96,010	\$16,290
20-23-27-404-012	23020 POWER ROAD, LLC	23020 POWER RD	\$197,700	\$263,840	\$66,140
20-23-27-404-013	THE HOLDING CO, LLC	23010 POWER RD	\$13,930	\$28,870	\$14,940
20-23-27-404-014	THE HOLDING CO, LLC	32326 GRAND RIVER AVE	\$75,420	\$110,920	\$35,500
20-23-27-404-015	JSA PROPERTIES LLC	32316 GRAND RIVER AVE	\$264,320	\$318,390	\$54,070
20-23-27-427-022	CITY OF FARMINGTON	31731 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-427-025	SOUL INVESTMENTS LLC	31632 GRAND RIVER AVE	\$53,130	\$63,960	\$10,830
20-23-27-427-026	SAM CASSAR & CO	31625 SHIAWASSEE RD	\$932,210	\$1,123,050	\$190,840
20-23-27-427-032	KING, PAUL	31690 GRAND RIVER AVE	\$81,920	\$98,650	\$16,730
20-23-27-427-034	RESTORATION CHRISTIAN FELLOWSHIP	31590 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-427-035	FARMINGTON PLAZA LLC	31530 GRAND RIVER AVE	\$1,151,200	\$1,007,910	-\$143,290

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20-23-27-427-036	CREDIT UNION ONE	31716 GRAND RIVER AVE	\$312,110	\$375,980	\$63,870
20-23-27-428-004	HICKS, ERNEST R	22883 ORCHARD LAKE RD	\$86,930	\$119,950	\$33,020
20-23-27-428-006	ODEH, AHMAD K	22855 ORCHARD LAKE RD	\$86,560	\$105,280	\$18,720
20-23-27-428-007	ODEH, AHMAD KAYED	22849 ORCHARD LAKE RD	\$104,450	\$125,800	\$21,350
20-23-27-428-008	BARNES REAL ESTATE HOLDING CO., LLC	22843 ORCHARD LAKE RD	\$220,300	\$265,370	\$45,070
20-23-27-428-009	CARRON HOLDINGS LLC	22820 MOONEY ST	\$152,560	\$183,760	\$31,200
20-23-27-428-010	SHEIKH, KAMRAN	22821 ORCHARD LAKE RD	\$136,060	\$163,860	\$27,800
20-23-27-428-013	MEINKE, CHRISTINE	22906 MOONEY ST	\$114,500	\$126,760	\$12,260
20-23-27-428-014	SOURCE OF UNIVERSAL LOVE FNDTN LLC	23030 MOONEY ST	\$186,970	\$279,820	\$92,850
20-23-27-428-016	ORCHARD TRAILS MOB, LLC	23133 ORCHARD LAKE RD STE 206	\$572,210	\$2,603,160	\$2,030,950
20-23-27-428-020	GB INVESTMENTS LLC	23017 ORCHARD LAKE RD STE 1	\$36,340	\$43,750	\$7,410
20-23-27-428-033	HIND PROPERTIES, LLC	31506 GRAND RIVER AVE	\$716,450	\$863,140	\$146,690
20-23-27-428-035	U-WASH DEVELOPMENT CO., LLC	31500 GRAND RIVER AVE	\$221,200	\$266,440	\$45,240
20-23-27-428-036	ORCHARD LAKE ROAD L L C	22725 ORCHARD LAKE RD	\$314,810	\$379,210	\$64,400
20-23-27-428-037	NIMROD CORP C/O CHERRY CRK 101 INC	22757 ORCHARD LAKE RD	\$275,980	\$332,460	\$56,480
20-23-27-451-005	ACCETTURA PROPERTIES II, LLC	32305 GRAND RIVER AVE	\$145,440	\$190,450	\$45,010
20-23-27-451-006	CITY OF FARMINGTON	32301 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-451-036	ACCETTURA PROPERTIES II, LLC	22823 BROOKDALE ST	\$21,230	\$26,040	\$4,810
20-23-27-451-065	HAJAL, JANET	32323 GRAND RIVER AVE	\$42,800	\$51,520	\$8,720
20-23-27-451-066	AMERITECH	32335 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-451-067	PRI LLC	32315 GRAND RIVER AVE	\$226,530	\$272,880	\$46,350
20-23-27-452-001	CITY OF FARMINGTON	32081 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-452-002	YO, UN DAE	32065 GRAND RIVER AVE	\$119,080	\$143,440	\$24,360
20-23-27-452-030	LEO SOAVE BUILDING, INC	32057 GRAND RIVER AVE	\$3,540	\$4,120	\$580
20-23-27-452-031	CITY OF FARMINGTON	32035 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-452-032	CITY OF FARMINGTON	32023 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-452-033	LOVERNICH, RANDY JAMES	32011 GRAND RIVER AVE	\$680	\$760	\$80
20-23-27-453-001	AMHAZ, BILAL	31831 GRAND RIVER AVE APT 1	\$9,580	\$28,460	\$18,880
20-23-27-476-007	GROVES-WALKER POST 346	31775 GRAND RIVER AVE	\$0	\$0	\$0
20-23-27-476-008	DOLPHIN PLAZA, LLC	31691 GRAND RIVER AVE	\$206,660	\$303,500	\$96,840
20-23-27-476-009	STANTON, DOUGLAS	22409 SHERWOOD AVE	\$22,060	\$26,530	\$4,470
20-23-27-476-010	ROYSE, DOUGLAS P	22405 SHERWOOD AVE	\$39,170	\$76,470	\$37,300

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20-23-27-478-001	MUIR, JOHN	31370 SHAW AVE	\$54,350	\$65,420	\$11,070
20-23-27-478-002	PETTY, ELIZABETH A	31360 SHAW AVE	\$56,700	\$68,250	\$11,550
20-23-27-478-003	CAMPBELL, KIMBERLY	31622 SHAW AVE	\$51,880	\$84,580	\$32,700
20-23-27-478-004	SCHIFFMAN, AMY L	31610 SHAW AVE	\$62,250	\$90,760	\$28,510
20-23-27-478-005	GORDAM, LLC	31625 GRAND RIVER AVE	\$604,560	\$728,330	\$123,770
20-23-27-478-006	JOHN STIRLING WHITE LLC	31505 GRAND RIVER AVE	\$238,430	\$287,190	\$48,760
20-23-35-102-004	30924 COMMUNITY PROPERTY, LLC	30948 GRAND RIVER AVE	\$15,930	\$19,150	\$3,220
20-23-35-102-005	30924 COMMUNITY PROPERTY, LLC	30942 GRAND RIVER AVE	\$26,090	\$26,000	-\$90
20-23-35-102-013	SMS PROPERTY DEVELOPMENT, LLC	30966 GRAND RIVER AVE	\$100,750	\$121,330	\$20,580
20-23-35-102-015	30924 COMMUNITY PROPERTY, LLC	30924 GRAND RIVER AVE	\$62,150	\$64,540	\$2,390
20-23-35-103-001	BROWN, VANESSA	30875 W 9 MILE RD	\$64,350	\$98,100	\$33,750
20-23-35-103-002	GARRITY, GEORGE A	30815 W 9 MILE RD	\$42,270	\$50,870	\$8,600
20-23-35-103-003	YAZ GROUP, LLC	22129 HAWTHORNE ST	\$34,390	\$44,830	\$10,440
20-23-35-103-004	WEAVER, JUSTIN	22109 HAWTHORNE ST	\$30,100	\$44,270	\$14,170
20-23-35-103-012	GRAND RIVER ACQUISITIONS, LLC	30752 GRAND RIVER AVE	\$53,480	\$35,530	-\$17,950
20-23-35-103-015	LOPEZ, GERMAN	30746 GRAND RIVER AVE	\$39,130	\$58,740	\$19,610
20-23-35-103-018	FARMINGTON RETAIL MANAGEMENT, LLC	30790 GRAND RIVER AVE	\$72,190	\$86,920	\$14,730
20-23-35-103-019	GRAND RIVER ACQUISITIONS, LLC	30748 GRAND RIVER AVE	\$20,590	\$7,840	-\$12,750
20-23-35-103-021	PAUL NICHOLAS HOLDINGS LLC	30760 GRAND RIVER AVE	\$107,500	\$103,030	-\$4,470
20-23-35-126-001	METRO DEVELOPERS, LLC	22146 HAWTHORNE ST	\$35,650	\$42,690	\$7,040
20-23-35-126-002	WEST, DAWN MARY	22120 HAWTHORNE ST	\$48,670	\$50,960	\$2,290
20-23-35-126-003	WILCOX, SARAH	22116 HAWTHORNE ST	\$34,310	\$41,090	\$6,780
20-23-35-126-004	GCR INVESTMENT GROUP, LLC	22100 HAWTHORNE ST	\$42,840	\$102,550	\$59,710
20-23-35-126-010	NAK HOLDINGS, LLC	30732 GRAND RIVER AVE	\$56,250	\$86,310	\$30,060
20-99-00-000-028	SOLEIL FURNITURE	32315 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-000-030	ANCHOR CHIROPRACTIC	32595 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-001-058	\$3 SOFT CLOTH CAR WASH	31500 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-001-092	SCOTT,JEFFERY A	32316 GRAND RIVER AVE STE 200	\$27,480	\$0	-\$27,480
20-99-00-002-023	BELLACINOS PIZZA & GRINDERS	22424 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-002-062	SALON NIA	31616 GRAND RIVER AVE	\$4,170	\$0	-\$4,170
20-99-00-002-099	BELLE TIRE DISTRIBUTORS INC	22843 ORCHARD LAKE RD	\$65,370	\$107,600	\$42,230
20-99-00-002-310	STONEBROOK DENTAL	23020 POWER RD	\$92,600	\$0	-\$92,600

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			Base Value	Taxable Value	Captured Value
20-99-00-003-014	STARLITE CELEBRATIONS	32305 GRAND RIVER AVE	\$15,020	\$0	-\$15,020
20-99-00-003-030	KAMRAN F SHEIKH MD PC	22821 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-003-031	AKT PEERLESS ENVIRONMENTAL	22725 ORCHARD LAKE RD	\$53,810	\$0	-\$53,810
20-99-00-003-200	KUGHN ENTERPRISES	22482 ORCHARD LAKE RD	\$38,810	\$0	-\$38,810
20-99-00-004-000	DREAM TEAMS	32580 GRAND RIVER AVE STE 15	\$0	\$640	\$640
20-99-00-004-004	ANTONIO'S LIQUOR	22804 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-004-005	COURTLAND ASSOCIATES INC	22500 ORCHARD LAKE RD	\$9,100	\$0	-\$9,100
20-99-00-004-012	DANBOISE MECHANICAL INC	31625 GRAND RIVER AVE	\$70,000	\$63,670	-\$6,330
20-99-00-004-018	TOO CUTE BEADS LLC	31711 GRAND RIVER AVE	\$3,220	\$0	-\$3,220
20-99-00-005-001	BIG LOTS #1811	31550 GRAND RIVER AVE	\$45,470	\$0	-\$45,470
20-99-00-005-003	CHICKEN KING	32663 GRAND RIVER AVE	\$65,710	\$0	-\$65,710
20-99-00-005-027	WENDYS	22757 ORCHARD LAKE RD	\$64,190	\$0	-\$64,190
20-99-00-005-050	EMMITT SERVICES INC	31036 GRAND RIVER AVE	\$3,010	\$0	-\$3,010
20-99-00-006-022	THE GETAWAY	31822 GRAND RIVER AVE	\$5,550	\$0	-\$5,550
20-99-00-006-026	L A INSURANCE	30776 GRAND RIVER AVE	\$770	\$0	-\$770
20-99-00-006-031	PRO NAILS	30766 GRAND RIVER AVE	\$2,500	\$0	-\$2,500
20-99-00-006-050	FARMINGTON AUTO WASH	22883 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-006-057	TIMS TREE & SHRUB LLC	31505 GRAND RIVER AVE # 9-207	\$900	\$0	-\$900
20-99-00-006-071	HBW PROPERTIES LLC	32686 GRAND RIVER AVE	\$16,030	\$0	-\$16,030
20-99-00-006-156	ZANETTI, JEFFREY L DDS PC	31904 GRAND RIVER AVE	\$52,730	\$0	-\$52,730
20-99-00-006-160	FARMINGTON DERMATOLOGISTS PC	23133 ORCHARD LAKE RD STE 201	\$0	\$0	\$0
20-99-00-006-333	FARMINGTON VACUUM	30948 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-009-012	GENE HARRIS AGENCY	31711 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-009-023	RAINBOW REHABILITATION	32619 GRAND RIVER AVE	\$5,690	\$13,570	\$7,880
20-99-00-010-011	METRO BY T-MOBILE	31624 GRAND RIVER AVE	\$2,670	\$0	-\$2,670
20-99-00-010-012	LIBERTY TAX SERVICE	31628 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-010-014	PARAMOUNT HOME CARE INC	31806 GRAND RIVER AVE	\$2,120	\$0	-\$2,120
20-99-00-010-029	ACAFES HAIR STUDIO	23030 MOONEY ST STE B	\$2,670	\$3,210	\$540
20-99-00-010-038	FIFTH POSITION DANCE CENTER	31830 GRAND RIVER AVE	\$2,420	\$0	-\$2,420
20-99-00-010-100	KANTOLA, CHARLES INSURANCE	32500 GRAND RIVER AVE STE 203	\$1,850	\$0	-\$1,850
20-99-00-010-120	JUST JEWELERS	23105 POWER RD	\$3,600	\$0	-\$3,600
20-99-00-011-004	BIO BALANCE THERAPY	23030 MOONEY ST STE C	\$530	\$0	-\$530

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20-99-00-011-007	DING MASTERS	22855 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-011-014	WE BUY IT & SELL IT ALL	30930 GRAND RIVER AVE	\$1,330	\$1,600	\$270
20-99-00-011-100	KINGS GARAGE	31690 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-011-145	CITGO	31233 GRAND RIVER AVE	\$20,510	\$18,850	-\$1,660
20-99-00-012-006	RITE CARE PHARMACY	23133 ORCHARD LAKE RD STE 102	\$3,640	\$0	-\$3,640
20-99-00-012-007	MARATHON	32340 GRAND RIVER AVE	\$27,280	\$0	-\$27,280
20-99-00-012-035	LAPHAM & DOYLE ATTORNEYS	32523 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-013-003	SCHOOL OF ROCK	22730 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-013-012	COMIC-CARDS GAME CENTER	31620 GRAND RIVER AVE	\$2,540	\$0	-\$2,540
20-99-00-013-027	GREAT LAKES VAPOR	30752 GRAND RIVER AVE	\$25,400	\$0	-\$25,400
20-99-00-013-360	MORRELL ELECTRONICS SERVICE	22770 ORCHARD LAKE RD	\$600	\$0	-\$600
20-99-00-014-009	PERSONALIZED NURSING	23133 ORCHARD LAKE RD STE 203	\$500	\$0	-\$500
20-99-00-014-014	Z PAINTING & REMODELING	32425 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-014-016	CLARITY LIFE DESIGN	32580 GRAND RIVER AVE	\$500	\$0	-\$500
20-99-00-014-025	BEIJING GARDEN	22840 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-014-038	INSIGHT MULTI-MEDIA	32423 GRAND RIVER AVE STE 200	\$0	\$0	\$0
20-99-00-015-005	R. GRAHAM CONSTRUCTION	30966 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-016-005	STEVE'S BARBER SHOP	22832 ORCHARD LAKE RD	\$0	\$1,170	\$1,170
20-99-00-016-006	FARMINGTON HAIR STUDIO	30942 GRAND RIVER AVE	\$0	\$2,200	\$2,200
20-99-00-016-007	DMX	31691 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-016-013	OVERSTOCK OUTLET LLC	31550 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-016-019	VAPE SHOP	31632 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-016-043	HERITAGE 2000. LLC	22840 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-016-070	BEAUMONT PEDIATRIC ASSOC	23133 ORCHARD LAKE RD STE 100	\$0	\$0	\$0
20-99-00-016-200	PLAZA VETERINARY HOSPITAL P C	22820 MOONEY ST	\$79,640	\$52,780	-\$26,860
20-99-00-017-001	SALON MESHACH	31705 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-017-002	FARMINGTON FINEST	32411 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-017-013	PNLH	23133 ORCHARD LAKE RD STE 203	\$0	\$0	\$0
20-99-00-017-016	HANDYPRO	22500 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-017-034	JERMEDIA SPA	32580 GRAND RIVER AVE STE 3	\$0	\$360	\$360
20-99-00-017-035	TOASTER MEDIA	32580 GRAND RIVER AVE STE 1A	\$0	\$0	\$0
20-99-00-018-035	RAMS HORN OF FARMINGTON	32435 GRAND RIVER AVE	\$42,530	\$0	-\$42,530

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20-99-00-018-170	RUSTIC PUB	31030 GRAND RIVER AVE	\$9,610	\$0	-\$9,610
20-99-00-019-005	NANCY & FRIENDS	32500 GRAND RIVER AVE STE 200	\$0	\$0	\$0
20-99-00-019-022	ACCETTURA & HURWITZ	32305 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-019-023	SHLAFER, ROMAN DDS	31930 GRAND RIVER AVE	\$42,830	\$50,420	\$7,590
20-99-00-019-027	BEST CHOICE	22748 ORCHARD LAKE RD	\$0	\$0	\$0
20-99-00-019-028	SOUTH OAKLAND GASTROENTEROLOGY	23133 ORCHARD LAKE RD STE 200	\$0	\$0	\$0
20-99-00-019-069	OAKLAND REAL ESTATE GROUP	30936 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-019-235	SILVER DAIRY	32323 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-020-027	PHARMA SOURCE LTC	31620 GRAND RIVER AVE	\$0	\$2,630	\$2,630
20-99-00-020-028	ASIAN THERAPY MASSAGE	31830 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-020-030	TAYLER PRESCRIPTIONS	32316 GRAND RIVER AVE STE 100	\$0	\$0	\$0
20-99-00-020-031	TAQUERIA VICTORIA	30746 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-020-032	QUALITY PLUS PHARMACY	23020 POWER RD	\$0	\$1,090	\$1,090
20-99-00-020-033	STORE HOUSE STUDIOZ	22828 ORCHARD LAKE RD	\$0	\$10,990	\$10,990
20-99-00-020-034	FARMINGTON FAMILY PHYSICIANS	23133 ORCHARD LAKE RD STE 102	\$0	\$24,360	\$24,360
20-99-00-020-041	CATARACT & EYE CONSULTANTS	23133 ORCHARD LAKE RD STE 205	\$0	\$87,990	\$87,990
20-99-00-020-046	DANA PHARMACY LTC LLC	32440 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-021-021	VIP BARBER SHOP	31822 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-021-023	ORCHARD TRAILS PHARMACY	23133 ORCHARD LAKE RD STE 101	\$0	\$10,850	\$10,850
20-99-00-021-026	TOTAL CAR CARE	22849 ORCHARD LAKE RD	\$0	\$40,680	\$40,680
20-99-00-022-022	LATHAN SMOOTHIE SHOP	22836 ORCHARD LAKE RD	\$0	\$13,130	\$13,130
20-99-00-022-023	SOUL	23030 MOONEY ST STE A	\$0	\$0	\$0
20-99-00-022-031	ALTNATURE REIKI & WELLNESS	31626 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-022-037	PUBLIC GYM, THE	32326 GRAND RIVER AVE	\$0	\$21,000	\$21,000
20-99-00-022-040	HBL INSURANCE AGENCY	31711 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-023-002	DOLLED BY DANNIE	31826 GRAND RIVER AVE	\$0	\$2,500	\$2,500
20-99-00-023-009	LIGHT OF THE WAYSHOWER	23030 MOONEY ST STE C	\$0	\$7,500	\$7,500
20-99-00-023-010	TRIAD	22882 ORCHARD LAKE RD	\$0	\$7,500	\$7,500
20-99-00-023-011	LV CABINETS INC	22856 ORCHARD LAKE RD	\$0	\$10,000	\$10,000
20-99-00-023-020	MICHIGAN FIREARM CONNECT LLC	32500 GRAND RIVER AVE STE 111	\$0	\$500	\$500
20-99-00-023-021	HART MORTGAGE	32300 GRAND RIVER AVE	\$0	\$2,500	\$2,500
20-99-00-023-022	TORLEY INSURANCE GROUP	32425 GRAND RIVER AVE STE 5	\$0	\$1,250	\$1,250

	Personal Property	Note: Not all personal property is valued at \$0. Personal Property is still taxed and captured unless they are eligible, have applied, and are approved for an exemption.
	Within Downtown Development Authority	
	Nontaxable	

Parcel	Owner	Property Address	2014	2023	2023
			Base Value	Taxable Value	Captured Value
20-99-00-870-001	AJ DOMPIERRE CONSTRUCTION	32423 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-870-070	ECO CLEANERS & ALTERATIONS	32330 GRAND RIVER AVE	\$15,620	\$0	-\$15,620
20-99-00-870-076	FRAMERY ONE INC	31596 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-880-030	ACO HARDWARE #147	31580 GRAND RIVER AVE	\$21,810	\$0	-\$21,810
20-99-00-890-010	SILVERWOOD APPRAISAL &	22500 ORCHARD LAKE RD	\$1,960	\$0	-\$1,960
20-99-00-890-063	VALVOLINE INSTANT OIL CHANGE	32686 GRAND RIVER AVE	\$1,770	\$0	-\$1,770
20-99-00-890-070	FARMINGTON A & W	30732 GRAND RIVER AVE	\$14,390	\$0	-\$14,390
20-99-00-920-053	NEUMANN INSURANCE AGENCY	32580 GRAND RIVER AVE STE 2	\$0	\$0	\$0
20-99-00-920-073	AIRE EXCHANGE	32500 GRAND RIVER AVE STE 100	\$0	\$0	\$0
20-99-00-930-001	TOP DRIVER ACQUISITION LLC	31834 GRAND RIVER AVE	\$900	\$1,070	\$170
20-99-00-930-014	EGOCENTRIX SALON	22834 MOONEY ST	\$10,690	\$4,540	-\$6,150
20-99-00-940-001	ARDMORE SHOE REPAIR	30924 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-940-073	JET'S PIZZA	30790 GRAND RIVER AVE	\$16,700	\$0	-\$16,700
20-99-00-950-047	FIVE STAR DOOR	32620 GRAND RIVER AVE	\$4,000	\$4,820	\$820
20-99-00-950-064	HALABU, SHAWQUI E. M D	23133 ORCHARD LAKE RD STE 204	\$0	\$0	\$0
20-99-00-960-049	EASTMAN KOSUTIC & HERSHEY	32425 GRAND RIVER AVE	\$2,550	\$0	-\$2,550
20-99-00-980-011	TREE HOUSE	22906 MOONEY ST	\$9,160	\$0	-\$9,160
20-99-00-990-005	T-MOBILE CENTRAL L L C	31515 GRAND RIVER AVE	\$21,090	\$0	-\$21,090
20-99-00-990-008	ZAP ZONE	31506 GRAND RIVER AVE	\$201,750	\$631,690	\$429,940
20-99-00-990-031	YONO BROKERAGE SERVICES	32411 GRAND RIVER AVE	\$0	\$0	\$0
20-99-00-990-032	DELUX CLEANERS	32065 GRAND RIVER AVE	\$0	\$0	\$0
20-99-90-920-009	AMERICAN LEGION POST 346	31775 GRAND RIVER AVE	\$0	\$0	\$0
20-99-99-501-014	CITY OF FARMINGTON CIA		\$4,810	\$0	-\$4,810
Totals			\$15,803,050	\$21,088,290	\$5,285,240

GRAND RIVER CORRIDOR IMPROVEMENT DISTRICT SUMMARY

Need:	General Decline in Property Values, aging structures, lack of cohesion and identity. Lack of Pedestrian crossings (5 in a 3-mile length).
Size of District:	99.3 acres of 460 acres total
Length of Corridor:	1.08 miles
Term of TIF Plan:	20 years, 2014-2034
Percent of Capture:	50% of new taxes
Total Estimated Capture over 20 years:	\$1,038,852
Total Estimated County Capture over 20 years:	\$81,000
Annual Growth Assumption:	3% increase per year (2024-2034)
Base Value (2013)	\$15,803,050
Capture Amount (2034)	\$7,316,008

MEETING SUMMARY

Date	Action	Community
Spring 2009	Joint FH & F City Council Budget Study Session: identifies interest in CIA along Grand River	FH & F
Winter 2009	Awarded grant from Land Information Access Association (LIAA) to lay ground work for Grand River revitalization	FH & F
Feb 2010 – Feb 2011	Community holds six (6) stakeholder meetings	FH & F
Oct 2011	CIA created	F
Dec 2011	Inter-governmental agreement adopted	FH & F
Mar 2012	Joint CIA Board first meeting	FH & F
Oct 2012	Vision Plan kick-off	FH & F
Dec 2012	Joint Planning Commission meeting	FH & F
Jan 2013	Community Visioning Summit	FH & F
Mar 2013	GR Vision Open House	FH & F
May 2013	Joint Planning Commission Meeting	FH & F
Aug 22, 2013	Joint CIA Board adopts Vision Plan	FH & F
Sept 9, 2013	Planning Commission endorses draft Corridor Vision Plan	F
Sept 16, 2013	City Council Accepts Corridor Vision Plan	F
Oct 2013	City kicks off CIA Development and TIF Plan development	F
Mar 2014	CIA Board Adopts Development and TIF Plan	F
May 8, 2014	CIA Board begins refinement of zoning overlay district	F
Sept 8, 2014	Joint meeting with City Council, PC and CIA to discuss overlay	F
Sept 22, 2014	Planning Commission public hearing on overlay district	F
Oct 22, 2014	City Council Public Hearing on Development and TIF Plan	F
Sept 14, 2023	CIA Board approves addendum proposal	F
Oct 26, 2023	CIA Board approves project approach	F
Dec 14, 2023	CIA Board considers initial draft	F
Mar 14, 2024	CIA Board adopts the Development & TIF Plan addendum	F

GRAND RIVER CORRIDOR VISION PLAN SUMMARY

The Grand River Corridor Vision Plan lays out a broad vision for the redevelopment of the Grand River Corridor. The Grand River CIA Boards needed to better understand the challenges of the area and the Community's aspirations for the Corridor. The document, including its 2022 update, serves as the foundation for the efforts of the two CIAs and will guide the prioritization of resources.

Elements of the Vision Plan

- Existing Conditions: Describes the nature of the existing Corridor and identifies some of its challenges.
- Public Involvement: Outlines the observations of the community and its wishes.
- Vision: The desired outcome of the corridor expressed in simple terms.
- Development Principles: Statements of purpose that describe the desired direction of future growth.
- Future Land Use/Priority Development Areas: Lays out a preferred land use that helps achieve the Corridor Vision with a focus on four (4) Priority Areas.
- Development Areas. These areas were identified as the best opportunities for catalytic redevelopment along the Corridor.
- Recommendations: Details recommendations for transportation and zoning changes.
- Implementation: Outlines the objectives needed to achieve each development principle.

Development Principles

1. *COMMUNITY IMAGE AND CHARACTER* High-quality architecture and urban design elements/treatments will create a signature environment along the corridor
2. *MOBILITY* The corridor will allow for a safe and enjoyable environment for walking and biking, public transit, and automobiles for people of all ages and abilities with minimal conflicts among users
3. *CONNECTIONS* The corridor will be well connected with surrounding areas, providing choices for people to move throughout the corridor, adjoining neighborhoods, centers of commerce, and public spaces
4. *REDEVELOPMENT* The economic success of the corridor will be enhanced by supporting a balance of retail, office, institutional, and housing in a vibrant and integrated development pattern
5. *NEIGHBORHOODS AND HOUSING* A variety of housing options will be promoted
6. *NATURAL ENVIRONMENT* Future growth and development will respect, enhance, complement and integrate the river corridor
7. *PUBLIC SPACE* Design of new public spaces will encourage community gathering and outdoor activity
8. *SUSTAINABILITY* Future growth and development in the corridor will follow best management practices in environmentally planning and construction

Orchard Lake Road Focus Area

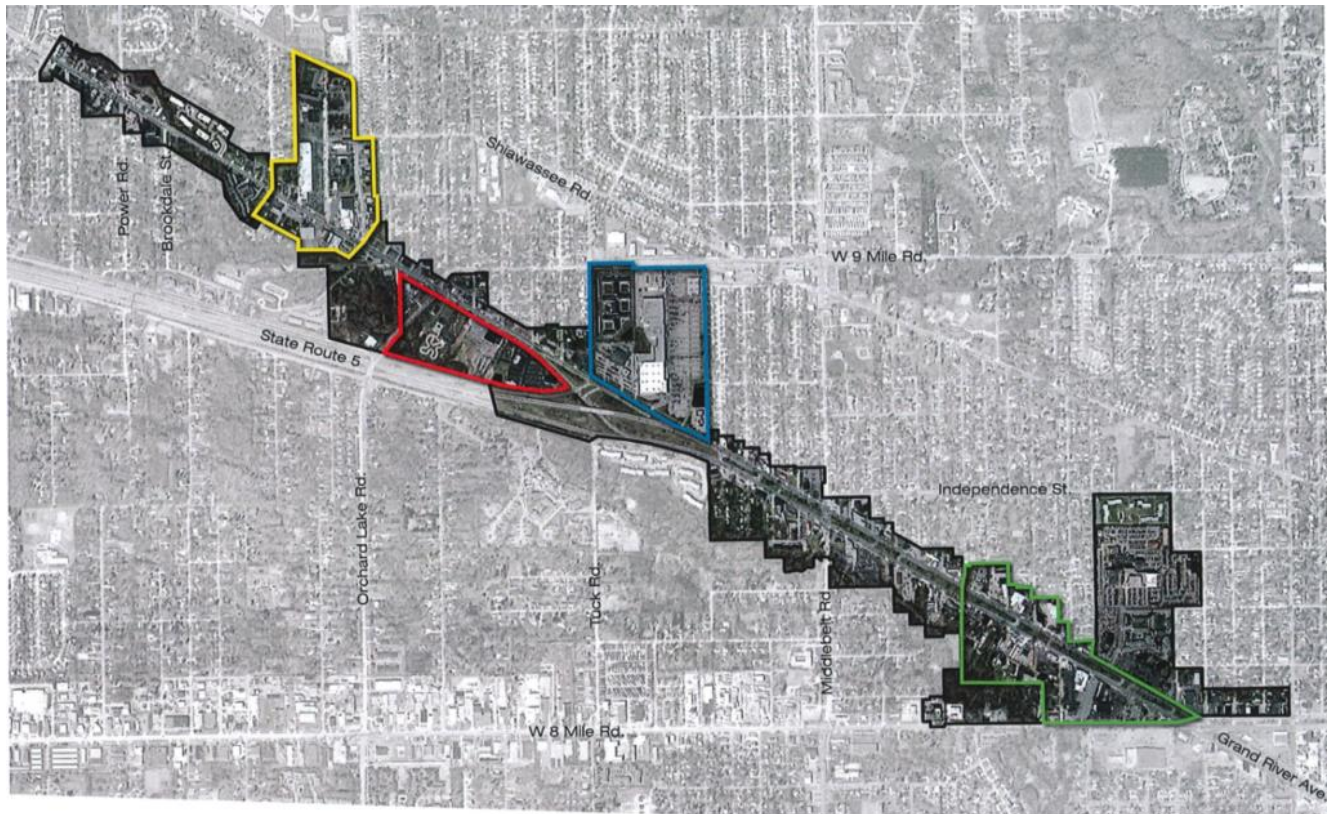
Of the four focus areas identified in the Corridor Vision Plan (below), one is located in the City of Farmington. The concept of this area, Orchard Lake Road (right), originally aimed to create a pedestrian-friendly experience that offered significant public space, a mixture of uses, and celebrated the historic winery. While the intent remains valid today, a slight reconfiguration of the proposed uses was deemed necessary. The road layout shown in the original concept has also been eliminated, reverting to the existing layout (right).

Mixed Use

Residential: Townhouse

Residential: Multi Family

Open/Green Space



Botsford Focus Area
 Orchard Lake Focus Area

Grand River North Focus Area
 Grand River South Focus Area

0 0.125 0.25 0.5 Miles



DEVELOPMENT PLAN SUMMARY

Development Plan Overview

The City of Farmington plans to use the Grand River Corridor CIA to revitalize the existing business district and create an inviting place for residents, visitors and shoppers in the area. The CIA has established the district and developed a Vision Plan that identifies public and private improvements necessary to prevent or correct deterioration in the corridor and encourage new private investment.

The efforts of the plan will eventually lead to improved economic viability and increased property values throughout the district. This increase in value, and associated tax revenues, will eventually benefit all taxing agencies, including those for which tax increment revenues are planned to be captured through the duration of the TIF Plan. It should be noted that, without the CIA tax capture and resulting reinvestment in the district, the corridor is likely to continue to suffer from economic and property value decline, which can lead to diminishing property value and tax revenues. The efforts of the CIA is therefore intended to reverse this trend and work toward a more stable long-term tax base for all agencies.

Proposed Improvements

During development of the original Grand River Corridor Vision Plan, a variety of strategies were developed to encapsulate the necessary changes and initiatives that need to be made in order to see the Plan to fruition. While the following list does not include every project that may be needed to achieve success, the updated list summarizes the key aspects under review at the time this addendum was developed. From the following list, the prioritized project list, included in the next section, was updated:

- Redesign the Grand River split to M-5
- Create a streetscape design that complements that of Farmington Road, including landscaped gateways
- Explore Grand River Road Diet
- Develop a detailed transportation plan
- Improve pedestrian road crossings at key locations
- Improve the environment for transit
- Develop a nature trail or multi-use pathway along the river, acknowledging that it will require a multi-phased approach
- Develop public gathering areas, including recreational facilities and parks
- Build on existing sites like the winery site along with those with river views
- Allow mixed use buildings along the Grand River road frontage
- Encourage green design principles via a green development incentive program
- Work with property owners to identify financing/incentive opportunities
- Evaluate, update, and implement the previously created a logo, branding, and marketing package
- Bury utility lines, whenever deemed viable

Final Project List

As noted above, the list of projects in this Plan was based on the work completed and subsequently updated during the Grand River Corridor Vision Plan development. It is expected that this list will continue to evolve as experience of the CIA grows, conditions change within the development area, and additional opportunities arise.

The estimated costs listed are not based on actual cost proposals, rather are provided to give a general estimate of the costs that may be incurred. Actual costs will be determined by a number of factors including formal consultant proposals, detailed engineering studies, and additional project planning that is part of the list of initial projects. However, a basic estimate of cost is provided so the CIA can effectively budget for these projects in the future.

PROJECT	ESTIMATED COST
Logo & Branding (Evaluate, Update, and Implement the Marketing Package – excludes production)	\$6,000
Catalytic projects (Land acquisition, partnerships, marketing)	TBD
Transportation Study	\$100,000
Streetscape Plan	\$30,000
Pedestrian Crossings (At a minimum Power and Orchard Lake)	TBD
Park Assessment Plan (Updated Orchard Lake Focus Area Open Space)	\$20,000
Gateway Enhancement	\$40,000
Nature Trail	TBD
Total Cost of All Projects:	\$196,000+

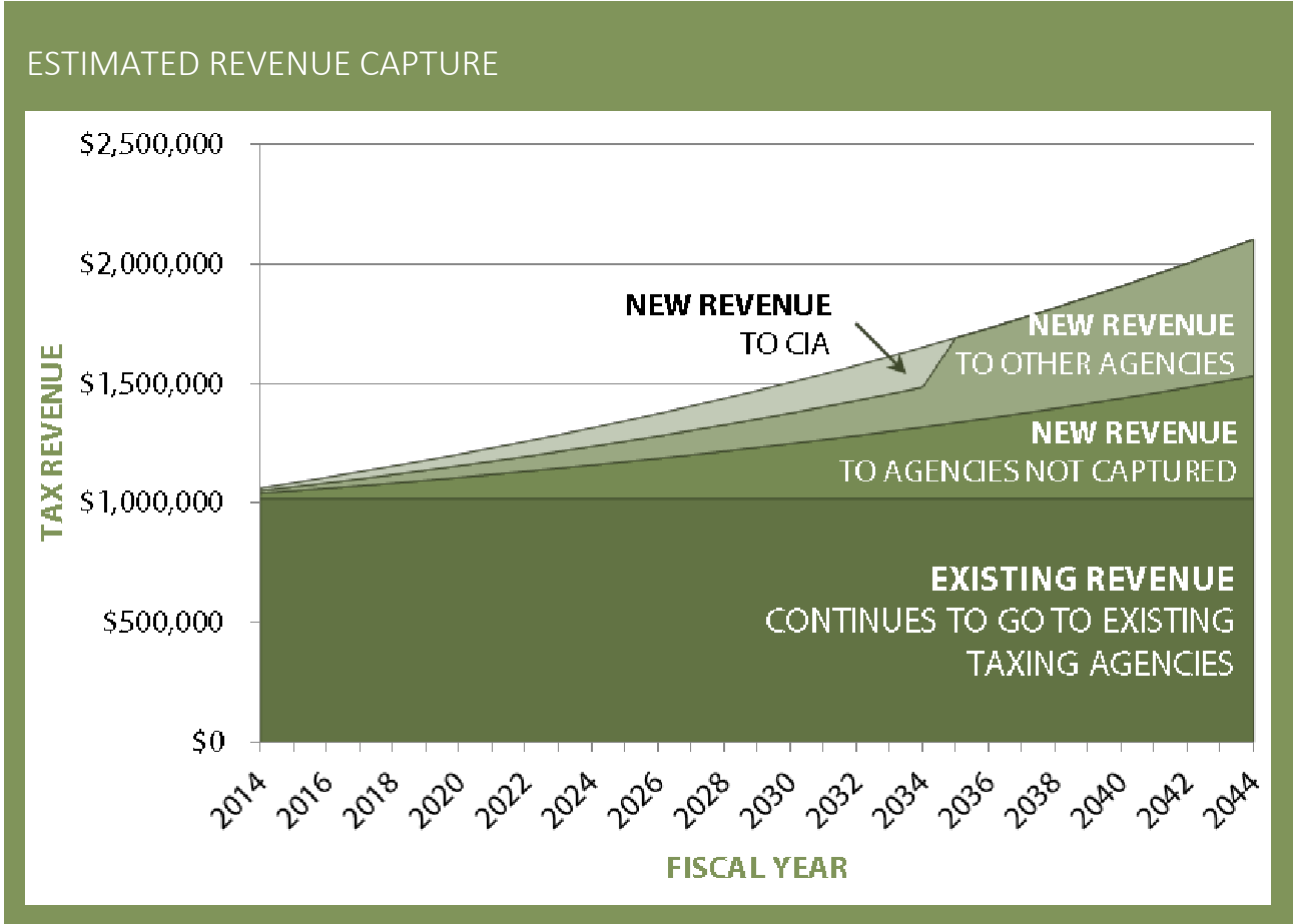
TIF PLAN SUMMARY

The Farmington TIF Plan estimates the revenue that it can expect to receive from tax capture. The City of Farmington plans to leverage tax increment revenue through use of an array of other redevelopment incentives.

- Special assessment districts
- Grants
- Commercial rehabilitation districts
- City staff assistance
- Redevelopment readiness
- Expedited review

2023 TIF SUMMARY	
Base Value (2013)	\$15,803,050
Millage Captured	24.9701
Millage Not Captured	34.1225
2023 CIA Revenue	\$66,000

In addition, recognizing that most taxing agencies are budget-conscious today, the City plans to capture only 50% of potential tax increment revenue. This will allow taxing agencies to reap some increased tax revenue as property values increase, but still provide for meaningful capture that will allow the CIA to accomplish some of the projects in the Development Plan.



**Farmington City Council
Staff Report**

**Council Meeting
Date:** May 20, 2024

**Reference
Number
6C**

Submitted by: David Murphy, City Manager

Description Consideration to Approve Public Hearing Notice for Proposed Fiscal Year 2024-25 Budget and Property Tax Rates

Requested Action Move to hold public hearing on Monday, June 3 at 7:00 p.m. regarding the proposed Fiscal Year 2024-25 Budget and property tax rates.

Background

In accordance with the City Charter, Public Act 43 of the Extra Session of 1963 and Public Act 2 of 1968 as amended, it is necessary to hold a public hearing on the proposed budget and millage rate prior to their adoption. In accordance with the City Charter, the City Council must adopt the budget not later than June 21. It is recommended that the public hearing be held on Monday, June 3 at 7:00 p.m. Following the public hearing, it is recommended that the City Council adopt the budget and millage rates.

Attached is the proposed public hearing notice. The proposed overall millage rate for the City is 18.2146 mills with 13.6000 mills for operating purposes as authorized by charter, 0.8171 mills for operating purposes as provided by the 2018 voted millage, 0.4000 mills for capital improvements as authorized by charter, 2.0000 mills for capital improvements provided by the 2018 voted millage, and 1.3975 mills for road improvements as provided by the 2014 voted millage. The proposed overall millage rate for the DDA is 1.7716 for operating purposes. The City Council has the discretion to lower the millage rate once the notice has been published, but cannot increase it without holding another public hearing. The City Council can still make changes before the budget is adopted.

The proposed budget shown in this public hearing notice is the proposed budget presented to Council in April except for the following changes:

In the Water and Sewer Fund, the water and sewer rate increase was reduced from 6.5% to 5.5%. This resulted in a decrease in Water and Sewer Sales of \$51,456. This reduction in revenue is partially offset by a reduction in Operations and Maintenance of \$42,169, resulting from a lower than anticipated increase in rates from the Evergreen Farmington Sanitary Drain System.

Administration was also asked to calculate the effect of reducing the rate increase to 4%. This would reduce revenue by an additional \$77,185.

Materials:

CITY OF FARMINGTON

NOTICE OF PUBLIC HEARING
TO REVIEW THE PROPOSED FISCAL YEAR 2024-25 BUDGET

The City Council of the City of Farmington will hold a public hearing on the proposed Fiscal Year 2024-25 Budget at 7:00 p.m. on June 3, 2024, in the Council Chamber in City Hall, 23600 Liberty Street, Farmington, Michigan 48335.

THE PROPERTY TAX MILLAGE RATE PROPOSED TO BE LEVIED TO SUPPORT THE PROPOSED BUDGET WILL BE A SUBJECT OF THIS HEARING.

The 2024 proposed property tax levy includes 13.6000 mills (\$13.6000 per \$1,000 of Taxable Value) for city operations as authorized by charter, 0.8171 mills (\$0.8171 per \$1,000 of Taxable Value) for city operations as provided by the 2018 voted millage, 0.4000 mills (\$0.4000 per \$1,000 of Taxable Value) for capital improvements as authorized by charter, 2.0000 mills (\$2.0000 per \$1,000 of Taxable Value) for capital improvements as provided by the 2018 voted millage and 1.3975 mills (\$1.3975 per \$1,000 of Taxable Value) for road improvements as provided by the 2014 voted millage; for a total millage rate of 18.2146 (\$18.2146 per \$1,000 of Taxable Value.)

The Farmington Downtown Development Authority proposes to levy 1.7716 mills (\$1.7716 per \$ Taxable Value) on property in the Downtown Development District as allowed by statute.

Public comments, oral or written, are welcome at the hearing on the proposed budget and proposed property tax rate.

The proposed budget, as summarized below, will be on file in the office of the City Manager for public inspection and is also posted in detail on the City's website at www.farmgov.com.

<u>Fund</u>	<u>Revenues</u>	<u>Expenditures</u>
General Fund	\$11,795,687	\$11,795,687
Major Street Fund	1,641,000	2,176,691
Local Street Fund	723,825	721,740
Municipal Street Fund	644,857	595,000
Opioid Settlement Fund	4,500	0
American Rescue Act Fund	620,840	690,000
Capital Improvement Fund	191,458	302,900
Capital Improvement Millage Fund	3,201,041	4,649,172
Water & Sewer Fund	5,950,834	5,665,626
Farmington Civic Theater Fund	584,959	597,103
Nonvoted Debt Service Fund	0	0
Streetscape Debt Service Fund	73,101	73,101
Grove Special Assessment Debt Service Fund	34,983	32,983
OPEB 2013 LTGO Bonds	775,841	774,341
Employee Accrued Benefits Fund	25,000	10,000
Self Insurance Fund	253,276	255,976
DPW Equipment Revolving Fund	552,151	713,521

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6D
Submitted by: Kate Knight, DDA Director		
<u>Agenda Topic:</u> DDA 2023/24 Budget Amendments		
<u>Proposed Motion:</u> Motion to approve the resolution amending the DDA 2023/24 Budget, as shown in the projected column of the attached report.		
<p><u>Background:</u></p> <p>This budget amendment was approved by the DDA Board for submittal to the City Council on May 1, 2024.</p> <p>Proposed amendments to the FY2023/24 budget are presented in the projected activity column of the attached budget documents. Significant changes include:</p> <p>Amended budget FY 2023/24 budget stated \$90,397 from Patronicity, but current \$204,452 reflects grant income for Dinan Park, including a \$100,000 Oakland County Parks grant and \$97,000 from Patronicity.</p> <p>Event budgets are intended to break even. There is a decrease in Rhythms in Riley Park from \$36,000 to \$13,439 New line items include Heart the Art in the event budget category.</p> <p>Note the creation of Community Foundation as a budget category. This is the Main Street Non-Endowed Fund, administered through the Greater Rochester Community Foundation. This budget category holds no TIF or PSD funds. Rather, event proceed, grants and private donations are recorded here: expenditures may only be allocated toward projects in Downtown Farmington in mission with Main Street Farmington and the Farmington DDA.</p> <p>Note that projected income from Building Rental decreased from a projected \$30,498 to \$17,793, as revenue-generating leases were terminated in preparation for development of new townhomes at the former Maxfield Training Center.</p> <p>PSD Repairs and Maintenance expenditures reached \$181,900 with a large replacement of junipers and other hardy plant materials on Grove Street and surrounding Riley Park at \$45,000. Funds were drawn from the \$77,000, reimbursed to the DDA for streetscape professional services from the Farmington Road Streetscape bond.</p>		
<p><u>Materials:</u></p> <p>2024-25 Budget Document Proposed, DDA Budget Amendment 2023-24</p>		

CITY OF FARMINGTON

RESOLUTION _____

Motion by, _____ seconded by, _____

BE IT RESOLVED that the Farmington City Council hereby amends the 2023-2024 Downtown Development Authority budget as shown below; DDA Budget Amendment No. 1

Budget Amendment No 1

Fund: Downtown Development Authority

Expenditures	131,086	
Appropriation, Fund Balance	103,999	
Revenues		235,085

To provide funding for Dinan Park Design and Construction.

BE IT FURTHER RESOLVED that the City Treasurer is hereby authorized to pay all claims and accounts properly chargeable to the foregoing appropriations provided that said claims and accounts have been lawfully incurred and approved by Council, Board, Commission or other City Officer authorized to make such expenditures, and

- Roll Call:
- Ayes:
- Nays:
- Absent:

RESOLUTION DECLARED ADOPTED

MEAGHAN BACHMAN, CITY CLERK

I, Meaghan Bachman, duly authorized Clerk for the City of Farmington, do hereby certify that the foregoing is a true and correct copy of a resolution adopted by the Farmington City Council at a regular meeting held Monday, May 20, 2024 in the City of Farmington, Oakland County, Michigan.

MARY J. MULLISON, CITY CLERK

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
DOWNTOWN DEVELOPMENT AUTHORITY REVENUES					
Dept 000.00-TIF					
PROPERTY TAXES, OPR, REV	(5,839)	(5,970)	0	0	0
PROPERTY TAXES, TIFA	451,062	468,379	512,327	518,000	553,000
GRANTS, OTHER	4,500	70,444	90,397	204,452	1,000
GRANTS, MAINSTREET SMALL BUSINESS	0	0	0	7,500	2,500
GRANTS, MASONIC PARK	0	0	0	34,600	463,000
GRANTS, ART PROMENADE	0	0	0	0	129,000
LOCAL COMMUNITY STABILIZATION APPROP.	1,535	7,664	2,000	13,395	8,300
INVESTMENT INCOME	(4,298)	30,349	4,000	25,000	8,000
SALE OF CAPITAL ASSETS, GAIN(LOSS)	0	(9,360)	0	0	0
REVENUES, OTHER	1,500	0	3,000	0	0
Total	448,460	561,506	611,724	802,947	1,164,800
Dept 759.00-PRINCIPAL SHOPPING DISTRICT					
PROPERTY TAXES, TWO MILL LEVY	45,875	46,988	50,400	50,000	53,000
FEDERAL GRANTS	0	170	0	0	0
EVENT REVENUE	0	0	0	500	1,000
REVENUES, OTHER	52,163	37,178	23,000	39,400	20,000
DDA DISTRICT, SP ASSESSMENT	188,000	200,140	206,144	206,144	212,329
Total	286,038	284,476	279,544	296,044	286,329
Dept 761.00-FOUNDERS FESTIVAL					
REVENUES, OTHER	10,000	0	0	0	0
Total	10,000	0	0	0	0
Dept 762.00-ART ON THE GRAND					
VENDOR FEES	1,590	2,250	1,350	1,350	1,350
SPONSORSHIPS	4,950	4,500	5,500	8,500	8,500
REVENUES, OTHER	4,356	4,016	4,300	4,300	4,300
Total	10,896	10,766	11,150	14,150	14,150

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 764.00-HARVEST MOON CELEBRATION					
CONCESSION, HARVEST MOON	38,690	43,029	25,000	49,585	30,000
ADMISSIONS, HARVEST MOON	30,650	32,441	20,000	38,158	22,500
SPONSORSHIPS	5,400	4,200	6,600	3,750	8,100
REVENUES, OTHER	1,811	700	1,350	1,128	1,350
Total	76,551	80,370	52,950	92,621	61,950
Dept 766.00-RHYTHMZ IN RILEY PARK					
SPONSORSHIPS	19,136	15,506	36,000	13,439	45,600
Total	19,136	15,506	36,000	13,439	45,600
Dept 767.00-BUILDING RENTAL					
RENTAL FEES	25,530	28,250	30,600	10,950	0
REVENUES, OTHER	380	297	0	0	0
Total	25,910	28,547	30,600	10,950	0
Dept 768.00-LUNCH BEATS					
SPONSORSHIPS	1,527	7,480	6,375	3,750	6,375
REVENUES, OTHER	13	3	0	0	0
Total	1,540	7,483	6,375	3,750	6,375
Dept 769.00 - GRAND RAVEN FESTIVAL					
SPONSORSHIPS	12,400	12,290	13,500	11,000	11,000
REVENUES, OTHER	550	567	600	151	200
Total	12,950	12,857	14,100	11,151	11,200
Dept 770.00 - COMMUNITY FOUNDATION					
GRANTS, OTHER	3,000	0	0	0	0
CONTRIBUTIONS HARVEST MOON	7,000	0	0	25,000	0
Total	10,000	0	0	25,000	0

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 771.00 - HEART THE ART					
SALES, CONCESSIONS	0	0	0	1,311	1,303
ADMISSION FEES	0	0	0	5,165	4,000
REVENUES, OTHER	0	0	0	1,000	0
Total	0	0	0	7,476	5,303
TOTAL DOWNTOWN DEVELOPMENT AUTHORITY REVENUES	901,481	1,001,511	1,042,443	1,277,528	1,595,707
DOWNTOWN DEVELOPMENT AUTHORITY EXPENDITURES					
Dept 000.00-TIF					
SALARIES, FULL TIME	78,857	81,787	86,641	86,641	89,240
SALARIES, DC RETIREE HEALTH CARE	2,100	2,100	2,100	2,100	2,100
SALARIES, PART-TIME/TEMP	29,382	29,820	39,175	42,365	44,946
SALARIES, OVERTIME	375	635	0	1,100	0
SALARIES, ACCRUED BENEFITS	(669)	(622)	941	965	1,004
LONGEVITY PAY	260	325	390	390	455
PYMT IN LIEU OF HOSP INS	2,400	2,400	2,400	2,400	2,400
FICA, EMPLOYER'S SHARE	8,593	8,880	10,113	10,199	10,601
COMPREHENSIVE MEDICAL INSURANCE	1,090	1,205	1,535	1,535	1,570
LIFE INSURANCE	171	212	202	202	208
LONG TERM DISABILITY	132	153	185	135	139
WORKMEN'S COMPENSATION INS	257	77	87	87	89
CONTRIBUTION, PENSION	19,693	23,803	35,104	35,987	40,503
OFFICE SUPPLIES	314	769	1,281	1,281	1,281
POSTAGE, METER	140	124	200	200	200
PROFESSIONAL SERVICES	71,219	27,897	51,275	21,982	36,900
CONTRACTUAL SERVICES	25,745	28,371	31,800	28,800	36,500
TELECOMMUNICATIONS	1,761	1,327	1,200	1,750	1,750
TRANSPORTATION	323	654	500	500	500
GRANTS, MAINSTREET SMALL BUSINESS	0	0	0	7,500	2,500
DEVELOPMENT INCENTIVES	0	0	0	10,000	5,000
MISCELLANEOUS EXPENSE	286	140	2,000	80	2,000

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
MEMBERSHIPS, SUBSCRIPTIONS	1,249	986	1,060	1,060	1,060
PROFESSIONAL DEV, CONFERENCES	7,271	8,847	8,850	8,850	8,850
B3-FARM-2020	274	345	0	5,600	6,400
CAPITAL OUTLAY	27,393	102,898	346,000	352,000	0
CAPITAL OUTLAY, MASONS CORNER	0	0	0	34,600	463,000
CAPITAL OUTLAY, ART PROMENADE	0	0	0	0	321,000
DEBT SERVICE	105,757	207,105	208,673	208,673	210,306
Total	384,373	530,238	831,712	866,982	1,290,502
Dept 759.00-PRINCIPAL SHOPPING DISTRICT					
SALARIES, PART-TIME/TEMP	5,818	8,821	8,140	8,140	8,140
FICA, EMPLOYER'S SHARE	445	675	514	514	514
SEASONAL DECORATIONS,GARDENING	38,277	34,284	23,200	36,300	34,000
CONTRACTUAL SERVICES	44,699	50,950	47,880	53,230	55,624
COMMUNITY PROMOTION	46,078	40,397	53,600	48,200	48,400
	0	0	0	4,000	4,000
BUSINESS DEVELOPMENT	4,098	5,030	4,000	6,000	4,000
VOLUNTEER MANAGEMENT	5,917	3,637	4,000	4,000	4,000
PUBLIC UTILITIES	18,181	17,883	27,500	27,500	30,250
REPAIRS & MAINTENANCE	109,472	87,586	147,300	181,900	131,900
Total	272,985	249,263	316,134	369,784	320,828
Dept 761.00-FOUNDERS FESTIVAL					
CONTRACTUAL SERVICES	10,000	0	0	0	0
Total	10,000	0	0	0	0
Dept 762.00-ART ON THE GRAND					
COMMUNITY PROMOTION	910	540	600	1,400	1,400
ENTERTAINMENT	2,900	4,250	3,500	5,500	5,500
EQUIPMENT RENTAL	3,216	2,942	3,400	3,500	3,500
MISCELLANEOUS EXPENSE	4,528	1,608	3,650	3,750	3,750
Total	11,554	9,340	11,150	14,150	14,150

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 764.00-HARVEST MOON CELEBRATION					
OFFICE SUPPLIES	0	0	0	47	0
CONCESSION SUPPLIES	17,554	20,809	20,000	24,104	24,900
CONTRACTUAL SERVICES	2,700	5,865	6,000	5,700	8,000
COMMUNITY PROMOTION	2,937	3,409	3,600	10,251	3,600
ENTERTAINMENT	8,950	10,024	10,100	11,915	12,000
EQUIPMENT RENTAL	7,374	7,823	8,800	8,627	9,000
MISCELLANEOUS EXPENSE	5,334	4,536	4,450	3,000	4,450
CONTRIBUTIONS, PATRONICITY	0	10,000	0	0	0
CONTRIBUTION, COMMUNITY FOUNDATION	7,000	0	0	25,000	0
Total	51,849	62,466	52,950	88,644	61,950
Dept 766.00-RHYTHMZ IN RILEY PARK					
CONTRACTUAL SERVICES	8,587	11,817	12,600	11,200	15,200
COMMUNITY PROMOTION	4,488	2,056	4,400	2,157	10,400
ENTERTAINMENT	7,625	9,900	19,000	12,000	20,000
Total	20,700	23,773	36,000	25,357	45,600
Dept 767.00-BUILDING RENTAL					
PROFESSIONAL SERVICES	5,411	3,805	5,021	1,998	0
CONTRACTUAL SERVICES	11,226	16,069	12,698	12,148	0
PUBLIC UTILITIES	1,481	297	525	1,500	0
MAINT, BUILDING & GROUNDS	7,257	6,710	6,607	1,500	0
CONTRIBUTION INS & BONDS	550	573	647	647	0
CAPITAL OUTLAY, BUILDINGS	8,880	0	5,000	0	0
Total	34,805	27,454	30,498	17,793	0
Dept 768.00-LUNCH BEATS					
CONTRACTUAL SERVICES	850	1,750	2,100	1,300	2,250
COMMUNITY PROMOTION	3,745	2,134	2,350	1,950	1,950
ENTERTAINMENT	1,135	1,460	1,925	1,375	2,175
Total	5,730	5,344	6,375	4,625	6,375

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 769.00 - GRAND RAVEN FESTIVAL					
COMMUNITY PROMOTION	1,822	2,171	1,875	2,942	3,550
EVENTS	12,654	3,983	5,300	6,500	4,300
MISCELLANEOUS EXPENSE	10,378	5,186	6,925	2,850	3,350
Total	24,854	11,340	14,100	12,292	11,200
Dept 770.00 - COMMUNITY FOUNDATION					
CONTRIBUTION, COMMUNITY FOUNDATION	10,000	0	0	25,000	0
Total	10,000	0	0	25,000	0
Dept 771.00 - HEART THE ART					
CONCESSION SUPPLIES	0	0	0	737	325
CONTRACTUAL SERVICES	0	0	0	884	884
COMMUNITY PROMOTION	0	0	0	1,422	1,450
ENTERTAINMENT	0	0	0	400	400
MISCELLANEOUS EXPENSE	0	0	0	1,935	2,000
	0	0	0	5,378	5,059
TOTAL DOWNTOWN DEVELOPMENT AUTHORITY EXPENDITURES	826,850	919,218	1,298,919	1,430,005	1,755,664
Surplus/(Deficit)	74,631	82,293	(256,476)	(152,477)	(159,957)
BEGINNING FUND BALANCE	303,878	372,229	457,434	457,434	304,957
TRANSFER FROM RESTRICTED FUND BALANCE	(6,280)	(2,908)			
ENDING FUND BALANCE	372,229	457,434	200,958	304,957	145,000

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6E
Submitted by: Kate Knight, DDA Director		
<u>Agenda Topic:</u> DDA 2024/25 Budget Presentation		
<u>Proposed Motion:</u> N/A		
<u>Background:</u> This budget was approved by the DDA Board for submittal to the City Council on May 1, 2024, 2024. Please find for your review the proposed budget for the fiscal year beginning July 1, 2024 and ending June 30, 2025. Please note the following highlights: Property tax revenue is projected to increase 7%. (Projected \$518,000 to \$553,000) Over the past three years, we have realized a \$100,000 TIF increase. <ul style="list-style-type: none"> • Repairs and Maintenance budget within PSD, returns to more regular expense projection, after significant replanting project in FY 2023-2024 around Riley Park and on Grove Street. • City contribution of \$192,000 toward the development of Masonic Plaza allows for maximum grant qualification from Oakland County Placemaking program. Patronicity crowdfund grant shall account for \$150,000 in total matching grant. Note that total grant funding is more than \$460,000 for FY 2024-2025. • We are drawing from fund balance by \$160,000, leaving \$145,000. 		
<u>Materials:</u> 2024-25 DDA Budget Document Proposed		

RESOLUTION

A RESOLUTION OF THE FARMINGTON CITY COUNCIL ADOPTING THE FISCAL YEAR 2024-2025 BUDGET FOR THE FARMINGTON DOWNTOWN DEVELOPMENT AUTHORITY.

WHEREAS, the Farmington Downtown Development Authority (DDA) presented a proposed budget to the City Council for Fiscal Year 2024-2025 in the amount of \$1,755,664; and

WHEREAS, the DDA also provides a work plan associated with the proposed budget; and

WHEREAS, the City Council adopted a resolution at its October 18, 2021 meeting to renew the Principal Shopping District (PSD) special assessment for five year period; and

WHEREAS, the PSD renewal resolution authorized the PSD assessment to be set at \$212,329 for Fiscal Year 2024-2025; and

NOW, THEREFORE BE IT RESOLVED that the Farmington City Council hereby adopts the Fiscal Year 2024-2025 Downtown Development Authority Budget in the amount of \$1,755,664.

BE IT FURTHER RESOLVED that the Farmington City Council hereby sets the Principal Shopping District special assessment for Fiscal Year 2024-2025 at \$212,329 in accordance with the attached assessment roll.

BE IT FURTHER RESOLVED that to meet the requirements for budgeted appropriations of the Farmington Downtown Development Authority, the City Treasurer is hereby directed to spread taxes on real and personal property located within the boundaries of the Farmington Downtown Development Authority District in the amount of one dollar and seventy-seven and sixteen hundredth cents (\$1.7716) per thousand dollars of Taxable Value, and

BE IT FURTHER RESOLVED that the City Treasurer is directed to collect incremental taxes eligible for capture under an incremental financing plan established by the Farmington Downtown Development Authority and disburse the captured tax revenues to the Authority.

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
DOWNTOWN DEVELOPMENT AUTHORITY REVENUES					
Dept 000.00-TIF					
PROPERTY TAXES, OPR, REV	(5,839)	(5,970)	0	0	0
PROPERTY TAXES, TIFA	451,062	468,379	512,327	518,000	553,000
GRANTS, OTHER	4,500	70,444	90,397	204,452	1,000
GRANTS, MAINSTREET SMALL BUSINESS	0	0	0	7,500	2,500
GRANTS, MASONIC PARK	0	0	0	34,600	463,000
GRANTS, ART PROMENADE	0	0	0	0	129,000
LOCAL COMMUNITY STABILIZATION APPROP.	1,535	7,664	2,000	13,395	8,300
INVESTMENT INCOME	(4,298)	30,349	4,000	25,000	8,000
SALE OF CAPITAL ASSETS, GAIN(LOSS)	0	(9,360)	0	0	0
REVENUES, OTHER	1,500	0	3,000	0	0
Total	448,460	561,506	611,724	802,947	1,164,800
Dept 759.00-PRINCIPAL SHOPPING DISTRICT					
PROPERTY TAXES, TWO MILL LEVY	45,875	46,988	50,400	50,000	53,000
FEDERAL GRANTS	0	170	0	0	0
EVENT REVENUE	0	0	0	500	1,000
REVENUES, OTHER	52,163	37,178	23,000	39,400	20,000
DDA DISTRICT, SP ASSESSMENT	188,000	200,140	206,144	206,144	212,329
Total	286,038	284,476	279,544	296,044	286,329
Dept 761.00-FOUNDERS FESTIVAL					
REVENUES, OTHER	10,000	0	0	0	0
Total	10,000	0	0	0	0
Dept 762.00-ART ON THE GRAND					
VENDOR FEES	1,590	2,250	1,350	1,350	1,350
SPONSORSHIPS	4,950	4,500	5,500	8,500	8,500
REVENUES, OTHER	4,356	4,016	4,300	4,300	4,300
Total	10,896	10,766	11,150	14,150	14,150

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 764.00-HARVEST MOON CELEBRATION					
CONCESSION, HARVEST MOON	38,690	43,029	25,000	49,585	30,000
ADMISSIONS, HARVEST MOON	30,650	32,441	20,000	38,158	22,500
SPONSORSHIPS	5,400	4,200	6,600	3,750	8,100
REVENUES, OTHER	1,811	700	1,350	1,128	1,350
Total	76,551	80,370	52,950	92,621	61,950
Dept 766.00-RHYTHMZ IN RILEY PARK					
SPONSORSHIPS	19,136	15,506	36,000	13,439	45,600
Total	19,136	15,506	36,000	13,439	45,600
Dept 767.00-BUILDING RENTAL					
RENTAL FEES	25,530	28,250	30,600	10,950	0
REVENUES, OTHER	380	297	0	0	0
Total	25,910	28,547	30,600	10,950	0
Dept 768.00-LUNCH BEATS					
SPONSORSHIPS	1,527	7,480	6,375	3,750	6,375
REVENUES, OTHER	13	3	0	0	0
Total	1,540	7,483	6,375	3,750	6,375
Dept 769.00 - GRAND RAVEN FESTIVAL					
SPONSORSHIPS	12,400	12,290	13,500	11,000	11,000
REVENUES, OTHER	550	567	600	151	200
Total	12,950	12,857	14,100	11,151	11,200
Dept 770.00 - COMMUNITY FOUNDATION					
GRANTS, OTHER	3,000	0	0	0	0
CONTRIBUTIONS HARVEST MOON	7,000	0	0	25,000	0
Total	10,000	0	0	25,000	0

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 771.00 - HEART THE ART					
SALES, CONCESSIONS	0	0	0	1,311	1,303
ADMISSION FEES	0	0	0	5,165	4,000
REVENUES, OTHER	0	0	0	1,000	0
Total	0	0	0	7,476	5,303
TOTAL DOWNTOWN DEVELOPMENT AUTHORITY REVENUES	901,481	1,001,511	1,042,443	1,277,528	1,595,707
DOWNTOWN DEVELOPMENT AUTHORITY EXPENDITURES					
Dept 000.00-TIF					
SALARIES, FULL TIME	78,857	81,787	86,641	86,641	89,240
SALARIES, DC RETIREE HEALTH CARE	2,100	2,100	2,100	2,100	2,100
SALARIES, PART-TIME/TEMP	29,382	29,820	39,175	42,365	44,946
SALARIES, OVERTIME	375	635	0	1,100	0
SALARIES, ACCRUED BENEFITS	(669)	(622)	941	965	1,004
LONGEVITY PAY	260	325	390	390	455
PYMT IN LIEU OF HOSP INS	2,400	2,400	2,400	2,400	2,400
FICA, EMPLOYER'S SHARE	8,593	8,880	10,113	10,199	10,601
COMPREHENSIVE MEDICAL INSURANCE	1,090	1,205	1,535	1,535	1,570
LIFE INSURANCE	171	212	202	202	208
LONG TERM DISABILITY	132	153	185	135	139
WORKMEN'S COMPENSATION INS	257	77	87	87	89
CONTRIBUTION, PENSION	19,693	23,803	35,104	35,987	40,503
OFFICE SUPPLIES	314	769	1,281	1,281	1,281
POSTAGE, METER	140	124	200	200	200
PROFESSIONAL SERVICES	71,219	27,897	51,275	21,982	36,900
CONTRACTUAL SERVICES	25,745	28,371	31,800	28,800	36,500
TELECOMMUNICATIONS	1,761	1,327	1,200	1,750	1,750
TRANSPORTATION	323	654	500	500	500
GRANTS, MAINSTREET SMALL BUSINESS	0	0	0	7,500	2,500
DEVELOPMENT INCENTIVES	0	0	0	10,000	5,000
MISCELLANEOUS EXPENSE	286	140	2,000	80	2,000

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
MEMBERSHIPS, SUBSCRIPTIONS	1,249	986	1,060	1,060	1,060
PROFESSIONAL DEV, CONFERENCES	7,271	8,847	8,850	8,850	8,850
B3-FARM-2020	274	345	0	5,600	6,400
CAPITAL OUTLAY	27,393	102,898	346,000	352,000	0
CAPITAL OUTLAY, MASONS CORNER	0	0	0	34,600	463,000
CAPITAL OUTLAY, ART PROMENADE	0	0	0	0	321,000
DEBT SERVICE	105,757	207,105	208,673	208,673	210,306
Total	384,373	530,238	831,712	866,982	1,290,502
Dept 759.00-PRINCIPAL SHOPPING DISTRICT					
SALARIES, PART-TIME/TEMP	5,818	8,821	8,140	8,140	8,140
FICA, EMPLOYER'S SHARE	445	675	514	514	514
SEASONAL DECORATIONS,GARDENING	38,277	34,284	23,200	36,300	34,000
CONTRACTUAL SERVICES	44,699	50,950	47,880	53,230	55,624
COMMUNITY PROMOTION	46,078	40,397	53,600	48,200	48,400
	0	0	0	4,000	4,000
BUSINESS DEVELOPMENT	4,098	5,030	4,000	6,000	4,000
VOLUNTEER MANAGEMENT	5,917	3,637	4,000	4,000	4,000
PUBLIC UTILITIES	18,181	17,883	27,500	27,500	30,250
REPAIRS & MAINTENANCE	109,472	87,586	147,300	181,900	131,900
Total	272,985	249,263	316,134	369,784	320,828
Dept 761.00-FOUNDERS FESTIVAL					
CONTRACTUAL SERVICES	10,000	0	0	0	0
Total	10,000	0	0	0	0
Dept 762.00-ART ON THE GRAND					
COMMUNITY PROMOTION	910	540	600	1,400	1,400
ENTERTAINMENT	2,900	4,250	3,500	5,500	5,500
EQUIPMENT RENTAL	3,216	2,942	3,400	3,500	3,500
MISCELLANEOUS EXPENSE	4,528	1,608	3,650	3,750	3,750
Total	11,554	9,340	11,150	14,150	14,150

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 764.00-HARVEST MOON CELEBRATION					
OFFICE SUPPLIES	0	0	0	47	0
CONCESSION SUPPLIES	17,554	20,809	20,000	24,104	24,900
CONTRACTUAL SERVICES	2,700	5,865	6,000	5,700	8,000
COMMUNITY PROMOTION	2,937	3,409	3,600	10,251	3,600
ENTERTAINMENT	8,950	10,024	10,100	11,915	12,000
EQUIPMENT RENTAL	7,374	7,823	8,800	8,627	9,000
MISCELLANEOUS EXPENSE	5,334	4,536	4,450	3,000	4,450
CONTRIBUTIONS, PATRONICITY	0	10,000	0	0	0
CONTRIBUTION, COMMUNITY FOUNDATION	7,000	0	0	25,000	0
Total	51,849	62,466	52,950	88,644	61,950
Dept 766.00-RHYTHMZ IN RILEY PARK					
CONTRACTUAL SERVICES	8,587	11,817	12,600	11,200	15,200
COMMUNITY PROMOTION	4,488	2,056	4,400	2,157	10,400
ENTERTAINMENT	7,625	9,900	19,000	12,000	20,000
Total	20,700	23,773	36,000	25,357	45,600
Dept 767.00-BUILDING RENTAL					
PROFESSIONAL SERVICES	5,411	3,805	5,021	1,998	0
CONTRACTUAL SERVICES	11,226	16,069	12,698	12,148	0
PUBLIC UTILITIES	1,481	297	525	1,500	0
MAINT, BUILDING & GROUNDS	7,257	6,710	6,607	1,500	0
CONTRIBUTION INS & BONDS	550	573	647	647	0
CAPITAL OUTLAY, BUILDINGS	8,880	0	5,000	0	0
Total	34,805	27,454	30,498	17,793	0
Dept 768.00-LUNCH BEATS					
CONTRACTUAL SERVICES	850	1,750	2,100	1,300	2,250
COMMUNITY PROMOTION	3,745	2,134	2,350	1,950	1,950
ENTERTAINMENT	1,135	1,460	1,925	1,375	2,175
Total	5,730	5,344	6,375	4,625	6,375

FUND 248 - DOWNTOWN DEVELOPMENT AUTHORITY FUND

DESCRIPTION	2021-22 Actual	2022-23 Actual	2023-24 Amended Budget	2023-24 Projected Budget	2024-25 Manager Proposed
Dept 769.00 - GRAND RAVEN FESTIVAL					
COMMUNITY PROMOTION	1,822	2,171	1,875	2,942	3,550
EVENTS	12,654	3,983	5,300	6,500	4,300
MISCELLANEOUS EXPENSE	10,378	5,186	6,925	2,850	3,350
Total	24,854	11,340	14,100	12,292	11,200
Dept 770.00 - COMMUNITY FOUNDATION					
CONTRIBUTION, COMMUNITY FOUNDATION	10,000	0	0	25,000	0
Total	10,000	0	0	25,000	0
Dept 771.00 - HEART THE ART					
CONCESSION SUPPLIES	0	0	0	737	325
CONTRACTUAL SERVICES	0	0	0	884	884
COMMUNITY PROMOTION	0	0	0	1,422	1,450
ENTERTAINMENT	0	0	0	400	400
MISCELLANEOUS EXPENSE	0	0	0	1,935	2,000
	0	0	0	5,378	5,059
TOTAL DOWNTOWN DEVELOPMENT AUTHORITY EXPENDITURES	826,850	919,218	1,298,919	1,430,005	1,755,664
Surplus/(Deficit)	74,631	82,293	(256,476)	(152,477)	(159,957)
BEGINNING FUND BALANCE	303,878	372,229	457,434	457,434	304,957
TRANSFER FROM RESTRICTED FUND BALANCE	(6,280)	(2,908)			
ENDING FUND BALANCE	372,229	457,434	200,958	304,957	145,000

Farmington City Council Staff Report	Council Meeting Date: May 6, 2024	Reference Number 6F
Submitted by: Downtown Development Authority Director Kate Knight		
Description Consideration of request to transfer ownership of a Class C and SDM License with Sunday Sales Permit (AM & PM), Entertainment Permit and Outdoor Service Permit from Browndog, LLC to The Farmington Tasting Room LLC, for the premises at 33314 Grand River Avenue, Farmington, MI 48335 in Oakland County		
Requested Action Move to approve Resolution of Local Approval for transfer ownership of a Class C and SDM License with Sunday Sales Permit (AM & PM), Entertainment Permit and Outdoor Service Permit from Browndog, LLC to The Farmington Tasting Room LLC, for the premises at 33314 Grand River Avenue, Farmington, MI 48335 in Oakland County, subject to final review and approval as to form by the City Manager and City Attorney.		
<p>Background The Farmington Tasting Room has purchased the premises located at 33314 Grand River Avenue (Former Brown Dog Premises) and plans to open a wine tasting room with a New Orleans French Quarter theme. The Applicant has indicated that its mission is to spread the love of good wine and good company by creating a family-friendly environment to enjoy both in Downtown Farmington. As a wine bar, Farmington Tasting Room will provide a wine-focused table and bar service in a French-quarter style atmosphere. The food offerings will be focused on items that pair well with wine, such as charcuterie boards, crudité, fruit, nuts, hummus and other dips, and chocolate. Farmington Tasting Room will also offer wine-related merchandise and wine by the bottle for off-premises consumption.)</p> <p>The City has now received all required application materials, which have been reviewed by City administration in accordance with the requirements of Sections 3-31 and 3-32 of the City of Farmington Code.</p> <p>The City Administration has no objection to the approval of the License Transfer as the applicant meets all requirements of the City Code.</p>		
Materials: Resolution		



Michigan Department of Licensing and Regulatory Affairs
Liquor Control Commission (MLCC)
Toll Free: 1-866-813-0011 • www.michigan.gov/lcc

Business ID: _____

Request ID: _____

(For MLCC use only)

Local Government Approval
(Authorized by MCL 436.1501)

Instructions for Applicants:

- You must obtain a recommendation from the local legislative body for a new on-premises license application, certain types of license classification transfers, and/or a new banquet facility permit.

Instructions for Local Legislative Body:

- Complete this resolution or provide a resolution, along with certification from the clerk or adopted minutes from the meeting at which this request was considered.

At a _____ meeting of the _____ council/board
(regular or special) (township, city, village)
called to order by _____ on _____ at _____
(date) (time)
the following resolution was offered:

Moved by _____ and supported by _____

that the application from The Farmington Tasting Room LLC
(name of applicant)

for the following license(s): permission for use of the city property for the outdoor service area
(list specific licenses requested)

to be located at: 33314 Grand River Ave Farmington, 48336-3124

and the following permit, if applied for:

Banquet Facility Permit Address of Banquet Facility: _____

It is the consensus of this body that it _____ this application be considered for
(recommends/does not recommend)

approval by the Michigan Liquor Control Commission.

If disapproved, the reasons for disapproval are _____

Vote

Yeas: _____

Nays: _____

Absent: _____

I hereby certify that the foregoing is true and is a complete copy of the resolution offered and adopted by the _____
council/board at a _____ meeting held on _____ (township, city, village)
(regular or special) (date)

Print Name of Clerk

Signature of Clerk

Date

Under Article IV, Section 40, of the Constitution of Michigan (1963), the Commission shall exercise complete control of the alcoholic beverage traffic within this state, including the retail sales thereof, subject to statutory limitations. Further, the Commission shall have the sole right, power, and duty to control the alcoholic beverage traffic and traffic in other alcoholic liquor within this state, including the licensure of businesses and individuals.

Please return this completed form along with any corresponding documents to:

Michigan Liquor Control Commission

Mailing address: P.O. Box 30005, Lansing, MI 48909

Hand deliveries or overnight packages: Constitution Hall - 525 W. Allegan, Lansing, MI 48933

Fax to: 517-763-0059

**Farmington City Council
Staff Report**

**Council Meeting
Date:** May 20, 2024

**Item
Number
6G**

Submitted by: David Murphy, City Manager

Agenda Topic: Consideration to Amend Fiscal Year 2023-24 Budget

Proposed Motion: Move to adopt resolution amending Fiscal Year 2023-24 Budget.

Background:

Each year in May or June, City Administration requests that the City Council adopt a year-end budget amendment. The year-end amendment is based on the estimates provided by departments during the budget process. It includes any construction fund carryovers from the preceding year, one-time items that were discussed during the budget presentation, and simply refining original budget estimates. These estimates were shown in the "FY 2023-24 Projected Activity" column of the budget document presented to City Council on April 15, 2024, except for the following changes:

In the General Fund, Other Revenue and Economic and Community Development Expenditures were increased \$46,519 in both the Amended and Projected columns to account for Budget Amendment #5 which was approved by Council at the May 6th meeting.

In the General Fund, Installment Purchase Agreement Payoff was increased \$630 to provide funding for additional interest on the Installment Purchase Agreement now that the exact closing date and payoff amount for the Maxfield Training Center are known.

Items to highlight include the following:

General Fund

- An increase of \$127,000 in Licenses and Permits revenue related to additional building permits, and the new rental and inspection program.
- An increase of \$71,897 in State Shared Revenues and Grants due to MCOLES Grants for training of new Public Safety Officers.
- An increase of \$154,596 in Other Revenues from increased investment earnings
- A decrease of \$123,000 in revenues coming from Transfers from the Capital Improvement Fund related to projects that have been moved to the 24-25 fiscal year.
- An increase of \$61,454 in General Government expenditures due to salary and fringes increases associated with retirements and staff restructuring.
- A decrease of \$170,849 in Public Safety expenditures due to open positions, resulting in reduced overall salary and fringes.

- An increase of \$72,352 in Economic/Community Development expenditures due to increased salary and fringes related to retirements, and professional planning/zoning services related to the MTC.
- An increase of \$79,084 in Recreational & Cultural expenditures related to various contractual services including park repairs, improvements, electrical, and landscaping.
- An increase of \$72,000 in Due to Transfers to Other Funds expenditures to provide funding for the Theater's operating shortfall.

Major Street Fund

- An increase of \$95,907 in Construction expenditures due to the addition of Thomas and School Street engineering.

American Rescue Act Fund

- An increase of \$412,208 in revenues for Federal Grants related to ARPA funds allocated to pay for ambulance services and sewer lining repair by the Glen.
- An increase of \$80,208 for Ambulance Services expenditures due to the new ambulance service.
- An increase of \$332,000 in Construction expenditures due to the sewer lining repairs by the Glen.

Capital Projects Fund

- A decrease of \$123,000 in expenditures relating to Transfers used for General Operating projects that have been moved to the 24-25 fiscal year or that will be funded by General Fund revenue.

Capital Improvement Millage Fund

- An increase of \$64,000 in Other Revenue due to an increase in investment income.
- A decrease of \$1,086,611 in expenditures in Capital Outlay due to projects that have been moved to the 24-25 fiscal year, including Shiawassee Park and Farmington Road Streetscape, the Cadell Drain, the DPW roof, City Hall HVAC, and the Downtown Parking Lot.

Water & Sewer Fund

- An increase of \$62,250 in Other Revenues due to increased investment income.

Farmington Community Theater Fund

- An increase of \$72,000 in Transfers from the General Fund revenues to provide funding for the operating shortfall.

Self Insurance Fund

- An increase of \$63,000 in Claims Expenses related to several unanticipated claims

Attachments:

2023-24 Budget Amendment #6

Materials:

2023-24 Budget Amendment #6

CITY OF FARMINGTON
RESOLUTION _____

Motion by, _____ seconded by, _____, to adopt the following resolution:

BE IT RESOLVED that the Farmington City Council hereby adjusts the FY 2023-24 budget as shown below; uddget Amendment No. 6; and

GENERAL FUND			
	From	To	Inc./(Decr)
Beginning Fund Balance	\$ 3,918,456	\$ 3,918,456	\$ -
Revenues			
Property Taxes	\$ 6,276,050	\$ 6,287,155	\$ 11,105
Licenses & Permits	260,950	388,850	127,900
Federal Grants	71,002	66,141	(4,861)
State Shared Revenues & Grants	1,478,601	1,550,498	71,897
Charges For Services	2,132,604	2,179,166	46,562
Fines & Forfeits	375,000	340,000	(35,000)
Other Revenues	558,622	713,218	154,596
Transfer, Capital Improvement Fund	225,100	102,100	(123,000)
Total Revenues	\$ 11,377,929	\$ 11,627,128	\$ 249,199
Expenditures			
General Government	\$ 2,337,744	\$ 2,399,198	\$ 61,454
47th District Court	629,880	636,550	6,670
Public Safety	5,125,269	4,954,420	(170,849)
Public Services	1,410,987	1,417,581	6,594
Economic/Community Development	288,947	361,299	72,352
Health & Welfare	6,660	6,580	(80)
Recreation & Cultural	931,084	1,010,168	79,084
Contingency	20,000	20,000	-
Installment Purchase Agreement Payoff	-	404,749	404,749
Transfer, Debt Service	805,858	806,332	474
Transfer, Other Funds	-	72,000	72,000
Total Expenditures	\$ 11,556,429	\$ 12,088,877	\$ 532,448
Revenues Over (Under) Expenditures	\$ (178,500)	\$ (461,749)	\$ (283,249)
Ending Fund Balance	\$ 3,739,956	\$ 3,456,707	\$ (283,249)

STREET FUNDS

MAJOR STREET FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./(Decr)</u>
Beginning Fund Balance	\$ 841,982	\$ 841,982	\$ -
Revenues			
State Shared Revenue	\$ 871,000	\$ 916,787	\$ 45,787
Contracts	135,421	138,568	3,147
Other Revenue	7,500	35,000	27,500
Total Revenues	\$ 1,013,921	\$ 1,090,355	\$ 76,434
Expenditures			
Construction	\$ 195,040	\$ 290,947	\$ 95,907
Operation & Maintenance	439,616	433,143	(6,473)
Transfer, Local Street Fund	200,000	225,000	25,000
Debt Service	133,113	133,113	-
Total Expenditures	\$ 967,769	\$ 1,082,203	\$ 114,434
Revenues Over (Under) Expenditures	\$ 46,152	\$ 8,152	\$ (38,000)
Ending Fund Balance	\$ 888,134	\$ 850,134	\$ (38,000)

LOCAL STREET FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./(Decr)</u>
Beginning Fund Balance	\$ 157,882	\$ 157,882	\$ -
Revenues			
State Shared Revenue	\$ 361,000	\$ 380,195	\$ 19,195
Other Revenues	29,500	29,500	-
Transfer, Major Street Fund	200,000	225,000	25,000
Transfer, Municipal Street Fund	275,000	300,000	25,000
Total Revenues	\$ 865,500	\$ 934,695	\$ 69,195
Expenditures			
Construction	\$ 689,280	\$ 669,742	\$ (19,538)
Operation & Maintenance	310,680	316,953	6,273
Total Expenditures	\$ 999,960	\$ 986,695	\$ (13,265)
Revenues Over (Under) Expenditures	\$ (134,460)	\$ (52,000)	\$ 82,460
Ending Fund Balance	\$ 23,422	\$ 105,882	\$ 82,460

MUNICIPAL STREET FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./(Decr)</u>
Beginning Fund Balance	\$ 238,620	\$ 238,620	\$ -
Revenues			
Property Taxes	\$ 580,933	\$ 580,960	\$ 27
State Shared Revenue	3,265	6,094	2,829
Other Revenue	8,000	22,000	14,000
Total Revenues	\$ 592,198	\$ 609,054	\$ 16,856
Expenditures			
Transfer, Local Street Fund	\$ 275,000	\$ 300,000	\$ 25,000
Total Expenditures	\$ 275,000	\$ 300,000	\$ 25,000
Revenues Over (Under) Expenditures	\$ 317,198	\$ 309,054	\$ (8,144)
Ending Fund Balance	\$ 555,818	\$ 547,674	\$ (8,144)

OTHER SPECIAL REVENUE FUNDS

OPIOID SETTLEMENT FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./(Decr)</u>
Beginning Fund Balance	\$ 14,399	\$ 14,399	\$ -
Revenues			
Other Revenue	-	4,500	4,500
Total Revenues	\$ -	\$ 4,500	\$ 4,500
Expenditures			
Opioid Mitigation	\$ -	-	-
Total Expenditures	\$ -	\$ -	\$ -
Revenue Over/(Under) Expenditures	\$ -	\$ 4,500	\$ 4,500
Ending Fund Balance	\$ 14,399	\$ 18,899	\$ 4,500

AMERICAN RESCUE ACT FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./(Decr)</u>
Beginning Fund Balance	\$ 33,780	\$ 33,780	\$ -
Revenues			
Federal Grants	\$ -	\$ 412,208	\$ 412,208
Other Revenue	45,000	45,000	-
Total Revenues	\$ 45,000	\$ 457,208	\$ 412,208
Expenditures			
Ambulance Services	-	80,208	\$ 80,208
Construction	\$ -	\$ 332,000	\$ 332,000
Total Expenditures	\$ -	\$ 412,208	\$ 412,208
Revenue Over/(Under) Expenditures	\$ 45,000	\$ 45,000	\$ -
Ending Fund Balance	\$ 78,780	\$ 78,780	\$ -

CAPITAL PROJECTS FUNDS

CAPITAL IMPROVEMENT FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance	\$ 598,566	\$ 598,566	\$ -
Revenues			
Property Taxes	\$ 103,442	\$ 103,472	\$ 30
Other Revenue	24,000	30,000	6,000
Total Revenues	\$ 127,442	\$ 133,472	\$ 6,030
Expenditures			
Transfer, General Operating	\$ 225,100	\$ 102,100	(123,000)
Transfer, Local Street Fund	-	-	-
Transfer, Theater	14,000	14,826	826
Total Expenditures	\$ 239,100	\$ 116,926	\$ (122,174)
Revenues Over (Under) Expenditures	\$ (111,658)	\$ 16,546	\$ 128,204
Ending Fund Balance	\$ 486,908	\$ 615,112	\$ 128,204

CAPITAL IMPROVEMENT MILLAGE FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance	\$ 1,770,035	\$ 1,770,035	\$ -
Revenues			
Property Taxes	\$ 827,539	\$ 827,604	\$ 65
Federal Grants	-	-	-
State Shared Revenue	19,577	62,840	43,263
DDA Contributions	105,962	105,962	-
Other Revenue	36,000	100,000	64,000
Total Revenues	\$ 989,078	\$ 1,096,406	\$ 107,328
Expenditures			
Capital Outlay	\$ 1,820,832	\$ 734,221	(1,086,611)
Debt	408,062	408,062	-
Total Expenditures	\$ 2,228,894	\$ 1,142,283	\$ (1,086,611)
Revenues Over (Under) Expenditures	\$ (1,239,816)	\$ (45,877)	\$ 1,193,939
Ending Fund Balance	\$ 530,219	\$ 1,724,158	\$ 1,193,939

ENTERPRISE FUNDS

WATER & SEWER FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance	\$ 2,205,744	\$ 2,205,744	\$ -
Revenues			
Water Service Charges	2,411,066	2,411,066	-
Sewer Service Charges	3,034,112	3,036,288	2,176
Other Revenues	127,000	189,250	62,250
Total Revenues	\$ 5,572,178	\$ 5,636,604	\$ 64,426
Expenditures			
Operations & Maintenance	\$ 4,723,382	\$ 4,697,417	\$ (25,965)
Capital Outlay	444,515	440,636	(3,879)
Debt Service	475,168	475,065	(103)
Transfer, OPEB Debt Service	37,781	37,806	25
Total Expenditures	\$ 5,680,846	\$ 5,650,924	\$ (29,922)
Revenues Over (Under) Expenditures	\$ (108,668)	\$ (14,320)	\$ 94,348
Ending Fund Balance	\$ 2,097,076	\$ 2,191,424	\$ 94,348

FARMINGTON COMMUNITY THEATER FUND:			
	<u>From</u>	<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance	\$ (71,778)	\$ (71,778)	\$ -
Revenues			
Admissions/Rentals/Concessions	\$ 353,441	\$ 383,429	\$ 29,988
Other Revenues	6,907	8,417	1,510
Transfer, General Fund	-	72,000	72,000
Transfer, Capital Improvement Fund	14,000	14,286	286
Total Revenues:	\$ 374,348	\$ 478,132	\$ 103,784
Expenditures			
Operations & Maintenance	\$ 486,515	\$ 491,979	\$ 5,464
Debt Service	1,540	3,850	2,310
Capital Outlay	14,000	14,826	826
Total Expenditures	\$ 502,055	\$ 510,655	\$ 8,600
Revenues Over (Under) Expenditures	\$ (127,707)	\$ (32,523)	\$ 95,184
Ending Fund Balance	\$ (199,485)	\$ (104,301)	\$ 95,184

INTERNAL SERVICE FUNDS

EMPLOYEE ACCRUED BENEFITS FUND				
	<u>From</u>		<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance (Projected)	\$ 82,715		\$ 82,715	\$ -
Revenues				
Other Revenues	\$ 14,000		\$ 15,000	\$ 1,000
Transfer, General Fund	10,000		10,000	-
Total Revenues	\$ 24,000		\$ 25,000	\$ 1,000
Expenditures				
Salaries, Accrued Benefits	\$ 10,000		\$ 10,000	\$ -
Total Expenditures	\$ 10,000		\$ 10,000	\$ -
Revenues Over (Under) Expenditures	\$ 14,000		\$ 15,000	\$ 1,000
Ending Fund Balance	\$ 96,715		\$ 97,715	\$ 1,000

DPW EQUIPMENT REVOLVING FUND				
	<u>From</u>		<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance (Projected)	\$ 403,670		\$ 403,760	\$ (90)
Revenues				
Equipment Rental	\$ 511,000		\$ 520,000	\$ 9,000
Other Revenues	18,125		28,188	10,063
Total Revenues	\$ 529,125		\$ 548,188	\$ 19,063
Expenditures				
Operations & Maintenance	\$ 352,940		\$ 347,895	\$ (5,045)
Capital Outlay	345,465		341,794	(3,671)
Total Expenditures	\$ 698,405		\$ 689,689	\$ (8,716)
Revenues Over (Under) Expenditures	\$ (169,280)		\$ (141,501)	\$ 27,779
Ending Fund Balance	\$ 234,390		\$ 262,259	\$ 27,869

SELF INSURANCE FUND				
	<u>From</u>		<u>To</u>	<u>Inc./ (Decr)</u>
Beginning Fund Balance (Projected)	\$ 294,067		\$ 294,067	\$ -
Revenues				
Charges to Other Funds	\$ 208,203		\$ 208,203	\$ -
Other Revenues	32,500		45,800	13,300
Total Revenues	\$ 240,703		\$ 254,003	\$ 13,300
Expenditures				
Claims Expense	\$ 15,000		\$ 78,000	\$ 63,000
Admin and Reinsurance	208,203		208,203	-
Total Expenditures	\$ 223,203		\$ 286,203	\$ 63,000
Revenues Over (Under) Expenditures	\$ 17,500		\$ (32,200)	\$ (49,700)
Ending Fund Balance	\$ 311,567		\$ 261,867	\$ (49,700)

BE IT FURTHER RESOLVED that the City Treasurer is hereby authorized to pay all claims and accounts properly chargeable to the forgoing appropriations, as may be amended by the Council from time to time, provided that said claims and accounts have been lawfully incurred and approved by Council or any other elected or appointed officer of the City authorized to make such expenditures; and

BE IT FURTHER RESOLVED that the City Manager shall prepare for the Council a financial report each quarter on the status of City funds as contained within the City budget.

ROLL CALL:

AYES:

NAYS:

ABSENT:

RESOLUTION DECLARED ADOPTED

MEAGHAN BACHMAN, CITY CLERK

.....
I, Mary Mullison, duly authorized Clerk for the City of Farmington, do hereby certify that the foregoing is a true and correct copy of a resolution adopted by the Farmington City Council at a regular meeting held on Monday, May 20, 2024, in the City of Farmington, Oakland County, Michigan.

MEAGHAN BACHMAN, CITY CLERK

**Farmington City Council
Staff Report**

**Council Meeting
Date:** May 20, 2024

**Item
Number
6H**

Submitted by: Christopher M. Weber, Director of Finance and Administration

Agenda Topic:

Consideration to Approve Certified 2024 Delinquent False Alarm Fees, Water and Sewer Bills, and Invoices for Placement on Tax Roll

Proposed Motion:

Move to approve the attached lists of delinquent false alarm fees, water and sewer bills, and invoices for placement on the Farmington Tax Roll pursuant to City Code.

Background:

Each year, the City Treasurer certifies false alarm fees, water and sewer bills, and invoices that are delinquent and should be placed on the City of Farmington tax roll in accordance with Farmington City Code. The total amount to be placed on the tax roll is \$184,069.81. Of that amount, \$181,992.31 represents delinquent water and sewer bills, \$620.00 represents delinquent false alarm fees, and \$1,457.50 represents grass cutting, sidewalk snow removal, and other services provided by the City. Listed below are the delinquent amounts over the last five years.

2024	\$ 184,069.81
2023	\$ 186,598.10
2022	\$ 150,936.83
2021	\$ 177,736.65
2020	\$ 111,984.63

Delinquent amounts were significantly lower in 2020 because of extended due dates during the Covid pandemic.

ALTERNATIVES

1. Place the delinquent false alarm fees, water and sewer bills, and invoices on the tax roll.
2. Do not place on tax roll. It would be difficult to collect some of these delinquent bills.

Materials:

1. Certification of Delinquent False Alarm Fees, Water & Sewer Bills, and Invoices
2. Delinquent False Alarm Fees
3. Delinquent Water & Sewer Bills
4. Delinquent City Invoices

Invoice List

05/03/2024

Invoice Number	Record	Address	Parcel Number	Bill To	Post Date	Invoice Amount
00033013	EN23-00178	35355 GRAND RIVER	20-23-28-101-005	MICHIGAN FUELS PROPERTIE	04/03/2023	\$60.00
00033014	EN23-00180	33350 W 9 MILE RD	20-23-27-352-006	WRIGLEY, GARY L	04/03/2023	\$20.00
00033017	EN23-00185	21266 ROBINWOOD ST	20-23-34-326-010	HARRIS, MICHELLE	04/03/2023	\$20.00
00033168		34635 GRAND RIVER	20-23-28-128-035	LA MARSA PROPERTIES AMF. L	05/09/2023	\$20.00
00033348	EN23-00286	33021 GRAND RIVER	20-23-27-156-005	LETRIM-GROVES, LLC	06/09/2023	\$20.00
00033351	EN23-00289	23354 FARMINGTON	20-23-27-155-026	FARMINGTON CENTER MICH	06/09/2023	\$20.00
00033484	EN23-00312	23330 FARMINGTON	20-23-27-155-049	FARMINGTON CENTER MICH	07/07/2023	\$20.00
00033600	EN23-00333	23133 ORCHARD LAKE, #200	20-23-27-428-016	ORCHARD TRAILS MOB, LLC	08/02/2023	\$20.00
00033742	EN23-00376	31716 GRAND RIVER	20-23-27-427-036	CREDIT UNION ONE	09/10/2023	\$20.00
00033743	EN23-00377	31716 GRAND RIVER	20-23-27-427-036	CREDIT UNION ONE	09/10/2023	\$40.00
00033954	EN23-00418	32840 W 8 MILE RD	20-23-34-355-009	32840 PROPERTY, LLC	11/03/2023	\$20.00
00033957	EN23-00419	23133 ORCHARD LAKE #102	20-23-27-428-016	ORCHARD TRAILS MOB, LLC	11/03/2023	\$20.00
00033965	EN23-00427	34797 GRAND RIVER	20-23-28-126-026	WORLD WIDE CENTER, LLC	11/03/2023	\$20.00
00034095	EN23-00457	32000 SHIAWASSEE RD	20-23-27-276-034	FARMINGTON SCHOOLS	12/08/2023	\$40.00
00034096	EN23-00458	32715 GRAND RIVER AVE	20-23-27-301-022	CAPGROW HOLDINGS JV	12/08/2023	\$20.00
00034107	EN23-00468	35355 GRAND RIVER	20-23-28-101-005	MICHIGAN FUELS PROPERTIE	12/08/2023	\$100.00
00034108	EN23-00469	35355 GRAND RIVER	20-23-28-101-005	MICHIGAN FUELS PROPERTIE	12/08/2023	\$100.00
00034199	EN24-00028	34797 GRAND RIVER	20-23-28-126-026	WORLD WIDE CENTER, LLC	01/08/2024	\$40.00

Total Invoices: 18
Total Amount: \$620.00

Population: All Records

Invoice.LinkFromType = Enforcement AND

Invoice.AmountDue > 15 AND

Invoice.DateToPostOn Between 2/1/2023 12:00:00 AM AND 2/1/2024 11:59:59 PM
 AND

Enforcement.Status = PENDING

**CITY OF FARMINGTON
MAY 20, 2024**

**CERTIFICATION OF 2024 DELINQUENT
FALSE ALARM FEES, WATER & SEWER BILLS, AND INVOICES**

I, Christopher M. Weber, Treasurer for the City of Farmington, Oakland County, Michigan, do hereby certify that as of May 1, 2024, the attached False Alarm Fees, Water & Sewer Bills, and City Invoices were delinquent and should be placed on the 2024 City of Farmington tax roll in accordance with Farmington City Code, Chapter 19, Section 19-186, Chapter 27, Section 27-18, Chapter 34, Section 34-33 and 34-141, Chapter 16, Section 16-34; and the Farmington City Charter, Sections 9.11 and 11.9.

TOTAL DELINQUENT FALSE ALARM FEES	\$	620.00
TOTAL DELINQUENT WATER & SEWER BILLS	\$	181,992.31
TOTAL DELINQUENT CITY SERVICE INVOICES	\$	<u>1,457.50</u>
GRAND TOTAL	\$	184,069.81

City of Farmington
Delinquent Water Export to 2024 Summer Taxes

Account Number	Parcel Number	Delinquent Amount	Additional Penalty	Total Amount Due
0001-00030-01-1	20-23-28-428-007	136.40	50.00	186.40
0001-00060-01-1	20-23-28-280-010	136.40	50.00	186.40
0001-00265-01-1	20-23-28-279-013	1,505.88	150.59	1,656.47
0001-00535-01-1	20-23-28-279-005	664.86	66.49	731.35
0001-01215-01-1	20-23-27-252-008	727.87	72.79	800.66
0001-01260-01-1	20-23-27-402-003	379.72	50.00	429.72
0001-01325-01-1	20-23-27-251-043	325.43	50.00	375.43
0001-01345-01-1	20-23-27-105-004	6,094.00	609.40	6,703.40
0001-01360-01-1	20-23-27-104-003	832.37	83.24	915.61
0002-00190-01-1	20-23-27-330-057	992.04	99.20	1,091.24
0002-00245-01-1	20-23-27-330-010	384.50	50.00	434.50
0002-00305-01-1	20-23-27-451-044	215.16	50.00	265.16
0002-00340-01-1	20-23-27-451-051	209.81	50.00	259.81
0002-00365-01-1	20-23-27-451-056	1,085.41	108.54	1,193.95
0002-00375-01-1	20-23-27-452-021	215.16	50.00	265.16
0002-00380-01-1	20-23-27-452-028	930.08	93.01	1,023.09
0002-00420-01-1	20-23-27-452-011	246.67	50.00	296.67
0002-00480-01-1	20-23-27-330-034	899.22	89.92	989.14
0002-00485-01-1	20-23-27-330-035	366.52	50.00	416.52
0002-00490-01-1	20-23-27-330-038	742.98	74.30	817.28
0002-00555-01-1	20-23-27-330-054	353.00	50.00	403.00
0002-00560-01-1	20-23-27-377-012	183.66	50.00	233.66
0002-00595-01-1	20-23-27-377-027	278.18	50.00	328.18
0002-00645-01-1	20-23-27-451-027	1,555.70	155.57	1,711.27
0002-00855-01-1	20-23-27-377-022	1,039.71	103.97	1,143.68
0003-00170-01-1	20-23-27-302-008	246.67	50.00	296.67
0003-00345-01-1	20-23-27-301-004	629.74	62.97	692.71
0003-00890-01-1	20-23-27-478-006	472.63	50.00	522.63
0003-01008-01-1	20-23-27-427-035	353.00	50.00	403.00
0003-01010-01-1	20-23-27-427-035	1,046.81	104.68	1,151.49
0003-01050-01-1	20-23-27-427-035	472.63	50.00	522.63
0003-01055-01-1	20-23-27-427-035	472.63	50.00	522.63
0003-01065-01-1	20-23-27-427-035	424.78	50.00	474.78
0003-01070-01-1	20-23-27-427-035	400.84	50.00	450.84
0003-01160-01-1	20-23-27-404-007	119.18	50.00	169.18
0003-01175-01-1	20-23-27-326-013	400.84	50.00	450.84
0003-01253-01-1	20-23-27-177-093	227.20	50.00	277.20
0004-00040-01-1	20-23-27-402-016	230.92	50.00	280.92
0004-00070-01-1	20-23-27-402-024	1,331.97	133.20	1,465.17
0004-00125-01-1	20-23-27-427-018	384.93	50.00	434.93
0004-00145-01-1	20-23-27-427-013	837.57	83.76	921.33
0004-00225-01-1	20-23-27-252-012	337.60	50.00	387.60
0004-00310-01-1	20-23-27-403-014	152.16	50.00	202.16
0004-00435-01-1	20-23-27-403-003	262.42	50.00	312.42
0004-00470-01-1	20-23-27-401-003	183.66	50.00	233.66
0004-00525-01-1	20-23-27-477-012	257.64	50.00	307.64
0004-00545-01-1	20-23-27-478-003	293.92	50.00	343.92
0004-00580-01-1	20-23-27-476-010	462.00	50.00	512.00

City of Farmington
Delinquent Water Export to 2024 Summer Taxes

Account Number	Parcel Number	Delinquent Amount	Additional Penalty	Total Amount Due
0004-00600-01-1	20-23-28-403-013	199.42	50.00	249.42
0004-00835-01-1	20-23-27-151-008	694.43	69.44	763.87
0005-00120-01-1	20-23-26-352-021	199.42	50.00	249.42
0005-00225-01-1	20-23-26-358-003	494.13	50.00	544.13
0005-00310-01-1	20-23-26-303-014	899.22	89.92	989.14
0005-00345-01-1	20-23-26-303-007	843.74	84.37	928.11
0005-00455-01-1	20-23-26-303-035	1,368.26	136.83	1,505.09
0005-00500-01-1	20-23-26-353-020	742.98	74.30	817.28
0005-00540-01-1	20-23-26-358-022	1,000.00	100.00	1,100.00
0005-00570-01-1	20-23-26-359-009	199.42	50.00	249.42
0005-00575-01-1	20-23-26-359-008	493.50	50.00	543.50
0005-00610-01-1	20-23-26-359-001	1,131.03	113.10	1,244.13
0005-00625-01-1	20-23-26-354-017	633.36	63.34	696.70
0005-00650-01-1	20-23-26-354-001	729.62	72.96	802.58
0005-00800-01-1	20-23-26-304-030	889.70	88.97	978.67
0005-00825-01-1	20-23-26-354-010	1,006.29	100.63	1,106.92
0005-00875-01-1	20-23-26-359-032	773.21	77.32	850.53
0005-00880-01-1	20-23-26-359-021	851.33	85.13	936.46
0005-00885-01-1	20-23-26-359-031	789.59	78.96	868.55
0005-00915-01-1	20-23-35-126-003	317.37	50.00	367.37
0005-00920-01-1	20-23-35-126-002	710.85	71.09	781.94
0005-00990-01-1	20-23-26-326-009	1,622.24	162.22	1,784.46
0005-01035-01-1	20-23-26-326-057	1,458.63	145.86	1,604.49
0005-01080-01-1	20-23-27-226-034	424.78	50.00	474.78
0005-01270-01-1	20-23-26-301-016	3,204.78	320.48	3,525.26
0005-01320-01-1	20-23-26-301-006	167.91	50.00	217.91
0005-01335-01-1	20-23-26-301-003	1,335.18	133.52	1,468.70
0005-01360-01-1	20-23-26-301-026	183.66	50.00	233.66
0005-01365-01-1	20-23-26-301-027	804.70	80.47	885.17
0005-01450-01-1	20-23-26-301-044	759.08	75.91	834.99
0005-01500-01-1	20-23-26-351-021	1,179.56	117.96	1,297.52
0005-01505-01-1	20-23-26-351-022	487.98	50.00	537.98
0005-01575-01-1	20-23-26-357-002	649.11	64.91	714.02
0005-01685-01-1	20-23-26-302-013	1,180.22	118.02	1,298.24
0007-00005-01-1	20-23-27-305-023	1,333.88	133.39	1,467.27
0007-00035-01-1	20-23-27-305-029	183.66	50.00	233.66
0007-00375-01-1	20-23-27-351-011	759.25	75.93	835.18
0007-00405-01-1	20-23-27-376-001	215.16	50.00	265.16
0007-00415-01-1	20-23-27-376-003	384.50	50.00	434.50
0007-00425-01-1	20-23-27-376-005	586.71	58.67	645.38
0007-00460-01-1	20-23-27-377-007	152.16	50.00	202.16
0007-00575-01-1	20-23-27-304-036	1,118.48	111.85	1,230.33
0007-00715-01-1	20-23-27-303-017	1,368.59	136.86	1,505.45
0007-00790-01-1	20-23-27-303-032	152.16	50.00	202.16
0007-00890-01-1	20-23-27-304-004	293.92	50.00	343.92
0007-00895-01-1	20-23-27-304-003	120.66	50.00	170.66
0007-01015-01-1	20-23-27-303-009	398.82	50.00	448.82
0007-01065-01-1	20-23-27-302-017	152.16	50.00	202.16

City of Farmington
Delinquent Water Export to 2024 Summer Taxes

Account Number	Parcel Number	Delinquent Amount	Additional Penalty	Total Amount Due
0007-01075-01-1	20-23-27-301-040	230.92	50.00	280.92
0007-01110-01-1	20-23-27-301-033	136.40	50.00	186.40
0008-00030-01-1	20-23-27-202-038	682.37	68.24	750.61
0008-00255-01-1	20-23-27-251-009	167.91	50.00	217.91
0008-00300-01-1	20-23-27-202-007	883.46	88.35	971.81
0008-00375-01-1	20-23-27-276-003	1,021.39	102.14	1,123.53
0008-00425-01-1	20-23-27-229-003	282.91	50.00	332.91
0008-00440-01-1	20-23-27-228-014	230.92	50.00	280.92
0008-00465-01-1	20-23-27-228-019	726.59	72.66	799.25
0008-00570-01-1	20-23-27-203-041	836.85	83.69	920.54
0008-00600-01-1	20-23-27-203-056	1,257.67	125.77	1,383.44
0008-00625-01-1	20-23-27-203-030	927.53	92.75	1,020.28
0008-00635-01-1	20-23-27-228-021	633.36	63.34	696.70
0008-00715-01-1	20-23-27-226-027	1,022.03	102.20	1,124.23
0008-00840-01-1	20-23-27-203-007	535.23	53.52	588.75
0008-00960-01-1	20-23-27-231-010	650.39	65.04	715.43
0008-00990-01-1	20-23-27-230-014	545.51	54.55	600.06
0008-01075-01-1	20-23-27-201-015	524.35	52.44	576.79
0008-01170-01-1	20-23-27-203-015	743.62	74.36	817.98
0008-01185-01-1	20-23-27-203-018	743.61	74.36	817.97
0008-01215-01-1	20-23-27-203-024	215.16	50.00	265.16
0008-01245-01-1	20-23-27-204-009	1,459.92	145.99	1,605.91
0008-01250-01-1	20-23-27-204-008	309.68	50.00	359.68
0008-01260-01-1	20-23-27-204-006	867.72	86.77	954.49
0008-01305-01-1	20-23-27-226-005	524.35	52.44	576.79
0008-01315-01-1	20-23-27-226-003	293.92	50.00	343.92
0008-01385-01-1	20-23-27-203-028	587.86	58.79	646.65
0008-01505-01-1	20-23-27-231-023	727.23	72.72	799.95
0008-01570-01-1	20-23-27-227-012	152.16	50.00	202.16
0008-01670-01-1	20-23-27-231-025	2,200.24	220.02	2,420.26
0008-01680-01-1	20-23-27-229-022	204.66	50.00	254.66
0008-01685-01-1	20-23-27-229-021	570.96	57.10	628.06
0008-01720-01-1	20-23-27-229-014	678.69	67.87	746.56
0008-01735-01-1	20-23-27-229-011	633.36	63.34	696.70
0009-00080-01-1	20-23-28-426-003	555.20	55.52	610.72
0009-00390-01-1	20-23-28-428-027	867.70	86.77	954.47
0009-00505-01-1	20-23-28-403-041	199.42	50.00	249.42
0009-00510-01-1	20-23-28-403-042	104.90	50.00	154.90
0009-00550-01-1	20-23-28-403-049	1,597.22	159.72	1,756.94
0009-00760-01-1	20-23-28-257-004	2,127.68	212.77	2,340.45
0009-00805-01-1	20-23-28-258-003	3,577.50	357.75	3,935.25
0009-00855-01-1	20-23-28-256-012	1,772.39	177.24	1,949.63
0009-00905-01-1	20-23-28-255-017	136.40	50.00	186.40
0011-00020-01-1	20-23-27-102-019	1,242.56	124.26	1,366.82
0011-00100-01-1	20-23-27-102-013	1,536.75	153.68	1,690.43
0011-00125-01-1	20-23-27-102-032	246.67	50.00	296.67
0011-00150-01-1	20-23-27-102-037	1,241.92	124.19	1,366.11
0011-00215-01-1	20-23-27-103-012	1,277.26	127.73	1,404.99

City of Farmington
Delinquent Water Export to 2024 Summer Taxes

Account Number	Parcel Number	Delinquent Amount	Additional Penalty	Total Amount Due
0011-00280-01-1	20-23-27-101-009	152.16	50.00	202.16
0011-00295-01-1	20-23-27-103-014	2,118.94	211.89	2,330.83
0011-00320-01-1	20-23-27-103-019	1,308.14	130.81	1,438.95
0012-00465-01-1	20-23-34-102-008	1,881.38	188.14	2,069.52
0012-00580-01-1	20-23-34-152-005	1,289.17	128.92	1,418.09
0012-00590-01-1	20-23-34-152-003	2,233.70	223.37	2,457.07
0012-00660-01-1	20-23-34-151-017	320.07	50.00	370.07
0012-00750-01-1	20-23-34-301-006	943.28	94.33	1,037.61
0012-00770-01-1	20-23-34-301-002	261.90	50.00	311.90
0012-00860-01-1	20-23-34-304-010	1,411.37	141.14	1,552.51
0012-00935-01-1	20-23-34-354-018	1,178.92	117.89	1,296.81
0012-00960-01-1	20-23-34-376-001	1,116.55	111.66	1,228.21
0012-01025-01-1	20-23-34-329-020	341.18	50.00	391.18
0012-01080-01-1	20-23-34-326-024	679.96	68.00	747.96
0012-01090-01-1	20-23-34-326-022	977.34	97.73	1,075.07
0012-01225-01-1	20-23-34-301-015	1,474.39	147.44	1,621.83
0012-01240-01-1	20-23-34-301-018	664.23	66.42	730.65
0012-01255-01-1	20-23-34-301-021	533.90	53.39	587.29
0012-01285-01-1	20-23-34-352-011	590.02	59.00	649.02
0012-01430-01-1	20-23-34-328-022	594.63	59.46	654.09
0012-01485-01-1	20-23-34-329-008	1,410.73	141.07	1,551.80
0012-01490-01-1	20-23-34-329-007	1,039.30	103.93	1,143.23
0012-01555-01-1	20-23-34-303-017	1,290.90	129.09	1,419.99
0012-01570-01-1	20-23-34-353-016	1,178.92	117.89	1,296.81
0012-01640-01-1	20-23-34-328-011	540.14	54.01	594.15
0012-01715-01-1	20-23-34-326-010	572.39	57.24	629.63
0012-01880-01-1	20-23-34-352-016	1,522.28	152.23	1,674.51
0012-01925-01-1	20-23-34-353-011	1,425.30	142.53	1,567.83
0012-02005-01-1	20-23-34-303-004	167.12	50.00	217.12
0012-02105-01-1	20-23-34-153-002	351.58	50.00	401.58
0015-00235-01-1	20-23-29-130-005	1,224.91	122.49	1,347.40
0015-00410-01-1	20-23-29-176-009	592.64	59.26	651.90
0015-00420-01-1	20-23-29-176-007	1,132.29	113.23	1,245.52
0015-00550-01-1	20-23-29-177-021	320.07	50.00	370.07
0015-00630-01-1	20-23-29-154-007	262.42	50.00	312.42
0015-00645-01-1	20-23-29-154-004	1,954.50	195.45	2,149.95
0015-00675-01-1	20-23-29-152-006	167.91	50.00	217.91
0015-00695-01-1	20-23-29-152-010	789.59	78.96	868.55
0015-00750-01-1	20-23-29-177-027	309.68	50.00	359.68
0015-01515-01-1	20-23-29-201-004	1,784.31	178.43	1,962.74
0015-01615-01-1	20-23-29-252-022	805.35	80.54	885.89
0015-01675-01-1	20-23-29-205-002	293.92	50.00	343.92
0015-01815-01-1	20-23-29-202-006	901.45	90.15	991.60
0015-01920-01-1	20-23-29-252-010	542.61	54.26	596.87
0015-02010-01-1	20-23-29-203-001	649.10	64.91	714.01
0015-05050-01-1	20-23-29-226-006	120.66	50.00	170.66
0015-08720-01-1	20-23-29-276-089	183.66	50.00	233.66
0015-08755-01-1	20-23-29-276-083	120.66	50.00	170.66

City of Farmington
Delinquent Water Export to 2024 Summer Taxes

Account Number	Parcel Number	Delinquent Amount	Additional Penalty	Total Amount Due
0015-09240-01-1	20-23-29-253-018	200.00	50.00	250.00
0016-02725-01-1	20-23-28-153-006	1,707.48	170.75	1,878.23
0016-07255-01-1	20-23-28-255-009	194.05	50.00	244.05
0016-07430-01-1	20-23-28-251-031	119.61	50.00	169.61
0016-07505-01-1	20-23-28-202-005	120.66	50.00	170.66
0016-07565-01-1	20-23-28-202-010	1,320.07	132.01	1,452.08
0016-07590-01-1	20-23-28-226-010	436.58	50.00	486.58
0016-07635-01-1	20-23-21-453-010	1,414.57	141.46	1,556.03
0016-07795-01-1	20-23-28-226-036	199.42	50.00	249.42
0016-07835-01-1	20-23-28-228-008	804.08	80.41	884.49
0016-07890-01-1	20-23-28-226-028	758.10	75.81	833.91
0016-08130-01-1	20-23-28-228-012	711.20	71.12	782.32
0016-08385-01-1	20-23-28-205-020	969.92	96.99	1,066.91
0016-08440-01-1	20-23-28-129-014	462.62	50.00	512.62
0016-08570-01-1	20-23-28-128-022	1,331.97	133.20	1,465.17
0016-08630-01-1	20-23-28-178-009	758.72	75.87	834.59
0016-08685-01-1	20-23-28-129-001	944.54	94.45	1,038.99
0016-08825-01-1	20-23-28-126-021	1,880.11	188.01	2,068.12
0016-09020-01-1	20-23-28-126-033	1,601.05	160.11	1,761.16
0016-09090-01-1	20-23-28-126-026	134.93	50.00	184.93
0016-09135-01-1	20-23-28-126-026	704.09	70.41	774.50
0016-09365-01-1	20-23-28-179-019	215.16	50.00	265.16
		163,554.33	18,437.98	181,992.31

2024
CERTIFICATION OF DELINQUENT CITY INVOICES

INVOICE LIST FOR 2024

<u>PARCEL NO.</u>	<u>ACCOUNT NAME</u>	<u>DESCRIPTION</u>	<u>INVOICE NO.</u>	<u>AMOUNT</u>
20-23-27-330-034	Colleen Bova	Grass Cutting	4366	330.00
20-23-26-301-007	Judith Gangnier	Grass Cutting	4364	137.50
20-23-27-478-006	John Stirling White LLC	Grass Cutting	4369	495.00
20-23-27-478-006	John Stirling White LLC	Grass Cutting	4390	495.00
			TOTAL	<u>\$ 1,457.50</u>

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 61
Submitted by: Charles Eudy, Superintendent		
Agenda Topic: Local Street Crack Sealing Program Change Order No. 4, Construction Estimate No.5		
Proposed Motion: Move to Approve Change Order No. 4, & Construction estimate and payment No. 5 to Wolverine Sealcoating for Local/Major Street Crack Sealing Program.		
<p>Background: City Administration and Orchard Hiltz McCliment (OHM) has developed a 4-year rotating pavement crack sealing and parking lot sealcoating schedule. Earlier this year City Council approved the FY24/25 award to Wolverine Sealcoating of Jackson in the amount of \$45,000 and \$5,000 per year for OHM to conduct inspections of this RFP.</p> <p>Wolverine Sealcoating located at 3235 County Farm Road, Jackson MI 49201 completed crack sealing multiple local streets last year, primarily in the Bel Aire neighborhood, and some in the Alta Loma neighborhood. Change Order No. 4 is for Fiscal Year 2024/25 work that Wolverine Sealcoating will begin after July 1, 2024.</p> <p>Fiscal Year 23/24 (Division B) included application of 38,461 pounds of material @ \$1.17 per pound totaling \$45,000.</p> <p>The OHM recommends approving Change order No. 4 which increases the contract \$ \$45,000 and approving pay application No. 5 in the amount of \$5,000 of retainage held from last years crack sealing program.</p> <p>City Administration and Engineers recommend maintaining the crack sealing funding allocations into next fiscal year (24/25). All City streets should have the first round of crack sealing completed next fiscal year (24/25). The 25/26 fiscal year could have crack sealing funding allocations reduced, while maintaining all city streets on a 4-5 year crack sealing cycle.</p>		
<p>Materials: OHM Change Order No.4 OHM Payment Application No.5</p>		

CHANGE ORDER



Project: City of Farmington - Crack Seal

Owner: City of Farmington
23600 Liberty Street
Farmington, MI 48335
(248) 474-5500

Job Number: 0111-21-0020

Change Order Number: 4

Date: 5/14/2024

Print Date: 5/14/2024

Contractor: Wolverine Sealcoating
3235 County Farm Rd
Jackson, MI 49201

Note:

TO THE CONTRACTOR:

You are hereby directed to comply with the changes to the contract documents. This change order reflects work completed or anticipated.

OHM Advisors
34000 Plymouth Road
Livonia, MI 48150
(734) 522-6711

CURRENT PROJECT PLANS AND SPECIFICATIONS WILL BE ADHERED TO UNLESS SPECIFICALLY CHANGED BY THIS CHANGE ORDER DOCUMENT.

THE CONTRACT AMOUNT WILL BE CHANGED BY THE SUM OF:	\$45,000.00
Original Contract Amount:	\$90,000.02
Contract Amount Including Previous Change Orders:	\$177,240.97
Amount of this Change Order:	<u>\$45,000.00</u>
REVISED CONTRACT AMOUNT:	\$222,240.97

Accepted By

Wolverine Sealcoating

Date 5/16/24

Approved By

Chuck Eudy - Public Works
Superintendent - City of

Date 5/16/24

Recommended By

Matt Parks, PE, Principal

Matthew D. Parks

Digitally signed by Matthew D. Parks
DN: cn=US,
e=mat.parks@ohm-advisors.com,
o=OHM Advisors, cn=Matthew D. Parks
Date: 2024.05.16 09:23:04-0400

Date _____

Items

Item No.	Description	Previous Authorized Quantity	Quantity Change	New Authorized Quantity	Unit Price	Total Increase
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THE FOLLOWING ITEMS AND OR CONTRACT UNIT PRICES SHALL BE ADDED TO THE CONTRACT AMOUNT

Division: D - 2024

Additional Items to the Contract:

5 Overband Crack Fill	0.00 Lbs	38793.10	38793.10	\$1.16	\$45,000.00
SUB-TOTAL INCREASES DIVISION D - 2024:					\$45,000.00



April 24, 2024

Mr. Chuck Eudy
DPW Superintendent
City of Farmington
33720 W. 9 Mile Road
Farmington, Michigan 48335

Regarding: 2023 Crack Seal Program
OHM Job No. 0111-21-0020

Dear Mr. Eudy:

Enclosed are Payment Application No. 5 (**FINAL**) for the referenced project. Also enclosed are as following required final documents: 1) Contractor's Declaration; 2) Contractor's Affidavit; and 3) Contractor's Sworn Statement.

Wolverine Sealcoating has completed the work shown on the attached payment application for the period ending November 6, 2023 and we would recommend payment to the Contractor in the amount of **\$5000.00** which includes the full release of previously held retainage.

Sincerely,
OHM Advisors

A handwritten signature in black ink, appearing to read "Matt Parks".

Matt Parks, P.E.
Client Representative

cc: Shawn Carroll, Wolverine Sealcoating (via e-mail)
Michael McNutt, OHM (via e-mail)
File

P:\0101_0125\0111210020_Crack_Seal_Program_Construction\Pay App & CO\Pay Apps\No.5 Final\Pay App No.5 (FINAL).docx

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150

T 734.522.6711
F 734.522.6427

OHM-Advisors.com



PAYMENT APPLICATION

Project: City of Farmington - Crack Seal
Job Number: 0111-21-0020
 Number: 5
 Period End Date: 11/6/2023
 Status: Approved

OWNER: City of Farmington
 23600 Liberty Street
 Farmington, MI 48335
 (248) 474-5500

CONTRACTOR: Wolverine Sealcoating
 3235 County Farm Rd
 Jackson, MI 49201

SCHEDULE On STATUS:
 Contract Start Date: 6/16/2021
 Contract End Date: 11/15/2021
 Contract Duration: 152
 Print Date: 4/24/2024

Original Contract Amount:	\$90,000.02	Change Order 1:	(\$460.02)	Earnings This Period:	\$0.00
Change Orders Amount:	\$87,240.95	Change Order 2:	\$45,000.00	Earnings To Date:	\$177,240.97
Current Contract Amount:	\$177,240.97	Change Order 3:	\$42,700.97	Previous Retainage Amount:	\$5,000.00
			\$87,240.95	Retainage This Period:	(\$5,000.00)
				Less Total Retained To Date:	\$0.00
				Net Earned:	\$177,240.97
				Previous Earnings:	\$172,240.97
				Amount Due Contractor:	\$5,000.00
Retainage: None				Amount Due Contractor includes (\$5,000.00) of previously held retainage	

Approved By Chuck Eudy - Public Works Superintendent - City of Farmington
 Date: 4/26/24

Recommended By Matt Parks, PE, Principal
 Date: 4/26/24

Digitally signed by Matthew D. Parks
 DN: cn=US, email=parks@ohm-advisors.com, o=OHM Advisors, cn=Matthew D. Parks
 Date: 2024.04.24.10:24:5000

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150
 (734) 522-6711
 OHM-Advisors.com

City of Farmington - Crack Seal

Items

Item	Description	Original Quantity	Quantity Authorized	Unit Price	Quantity This Period	Quantity Held	Amount This Period	Quantity To Date	Amount To Date
Division: A									
1	Overband Crack Fill	81818.20 Lbs	81400.00	\$1.10	0.00	0.00	\$0.00	81400.00	\$89,540.00
						A Sub-Total:	\$0.00		\$89,540.00
						Retainage	\$0.00		
Division: B - 2023									
2	Overband Crack Fill	0.00 Lbs	1.00	\$45,000.00	0.00	0.00	\$0.00	1.00	\$45,000.00
					B - 2023 Sub-Total:	Retainage	(\$2,565.54)		
Division: C - 2022									
4	Overband Crack Fill	0.00 Lbs	37788.47	\$1.13	0.00	0.00	\$0.00	37788.47	\$42,700.97
					C - 2022 Sub-Total:	Retainage	(\$2,434.46)		\$42,700.97

OHM Advisors
 34000 Plymouth Road
 Livonia, MI 48150

(734) 522-6711

OHM-Advisors.com

CONTRACTOR'S DECLARATION TO PROCURE PAYMENT

(SEE REVERSE SIDE FOR COMPLETE INSTRUCTIONS)

FROM: Wolverine Sealcoating Inc
(Name of Person or Firm Making Declaration)
3235 County Farm Rd
(Street Address)
Saukron MI 49201
(City, State, Zip)

PROJECT: Crack Sealing
(Name of Project)
Farmington Hills
(Address of Project)
Contract period end date 1/6/23
(City, State and Zip)

TO: City of Farmington
(Name of Person or Firm To Whom Declaration is Made)
23400 Liberty Street
(Street Address)
Farmington, MI 48335
(City, State, Zip)

DECLARATION

(This is not a Lien Release)

The following is a complete list of all persons and firms who have furnished subcontract work, equipment or materials to the above named firm for the project described above. Full payment for all such work, equipment and materials supplied to date has been made except as otherwise stated below.

I declare under penalty of perjury that the above statement is true and correct.

Signed on: 4/11/24 at 24 st. Saukron Michigan
(Date) (City)

[Signature]
(Signature of Individual who is making declaration)

~~(Name of Subcontractor or Supplier) (Type of Work or Materials Furnished) RELEASE ATTACHED FULL CONDITIONAL~~
\$ (Amount Unpaid - If Full Payment Has Been Made, Write "None")

~~(Name of Subcontractor or Supplier) (Type of Work or Materials Furnished) RELEASE ATTACHED FULL CONDITIONAL~~
\$ (Amount Unpaid - If Full Payment Has Been Made, Write "None")

~~(Name of Subcontractor or Supplier) (Type of Work or Materials Furnished) RELEASE ATTACHED FULL CONDITIONAL~~
\$ (Amount Unpaid - If Full Payment Has Been Made, Write "None")

CONTINUE ON REVERSE IF NECESSARY

**CONTRACTOR'S AFFIDAVIT OF
PAYMENT OF DEBTS AND CLAIMS**

AIA Document G706

(Instructions on reverse side)

OWNER
ARCHITECT
CONTRACTOR
SURETY
OTHER

TO OWNER
(Name and address)

City of Farmington
23600 Liberty Street
Farmington, MI 48335

ARCHITECT'S PROJECT NO.:

CONTRACT FOR:

Crack Sealing

PROJECT:

(Name and address)

Crack Sealing

CONTRACT DATED:

6/14/21 - 11/4/23

STATE OF MI

COUNTY OF Sackson

The undersigned hereby certifies that, except as listed below, payment has been made in full and all obligations have otherwise been satisfied for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness, and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or Owner's property might in any way be held responsible or encumbered.

EXCEPTIONS:

CONTRACTOR

(Name and address)

BY



(Name and address)

Shawn Carroll Office Manager

(Name and title)

SWORN STATEMENT

State of Michigan
County of Sackson

That I, Shawn Carroll, being duly sworn, deposes and says:
That he/she makes this Sworn Statement on behalf of Walverine Sealing, LLC who is the (contractor) (subcontractor) for an improvement to the following described real property situated in Oakland County, Michigan and described as follows:

That the following is a statement of each subcontractor and supplier and laborer, for which laborer the payment of wages or fringe benefits and withholdings is due but unpaid, with whom the (contractor) (subcontractor) has (contracted) (subcontracted) for performance under the contract with the owner or lessee thereof, and that the amounts due to the persons as of the date thereof are correctly and fully set forth opposite their names, as follows:

Name of Subcontractor, Supplier, or Laborer	Type of Improvement Furnished	Total Contract Price	Amount Already Paid	Amount Currently Owning	Balance to Complete (Optional)	Amount of Laborer Fringe Benefits and Withholding Due but Unpaid

That the contractor has not procured material from or subcontracted with, any person other than those set forth above and owes no money for the improvement.

Deponent further says that he or she makes the foregoing statement as the (contractor) (subcontractor) or as (subcontractor) for the purpose of representing to the owner or lessee of the above-described premises and his or her agents that the above-described property is free from claims of construction liens, or the possibility of construction liens, except as specifically set forth above and except for claims of construction liens by laborers which may be provided pursuant to section 109 of the construction lien act, Act No. 497 of the Public Acts of 1980, as amended, being section 570.1109 of the Michigan Compiled Laws.

WARNING TO OWNER OF LESSEE OF THE ABOVE-DESCRIBED PROPERTY MAY NOT RELY ON THIS SWORN STATEMENT TO AVOID THE CLAIM OF A SUBCONTRACTOR, SUPPLIER, OR LABORER WHO HAS PROVIDED A NOTICE OF FURNISHING OR A LABORER WHO MAY PROVIDE A NOTICE OF FURNISHING PURSUANT TO SECTION 109 OF THE CONSTRUCTION LIEN ACT TO THE DESIGNEE OR THE OWNER OR LESSEE IF THE DESIGNEE IS NOT NAMED OR HAS DIED.

[Signature]
Deponent

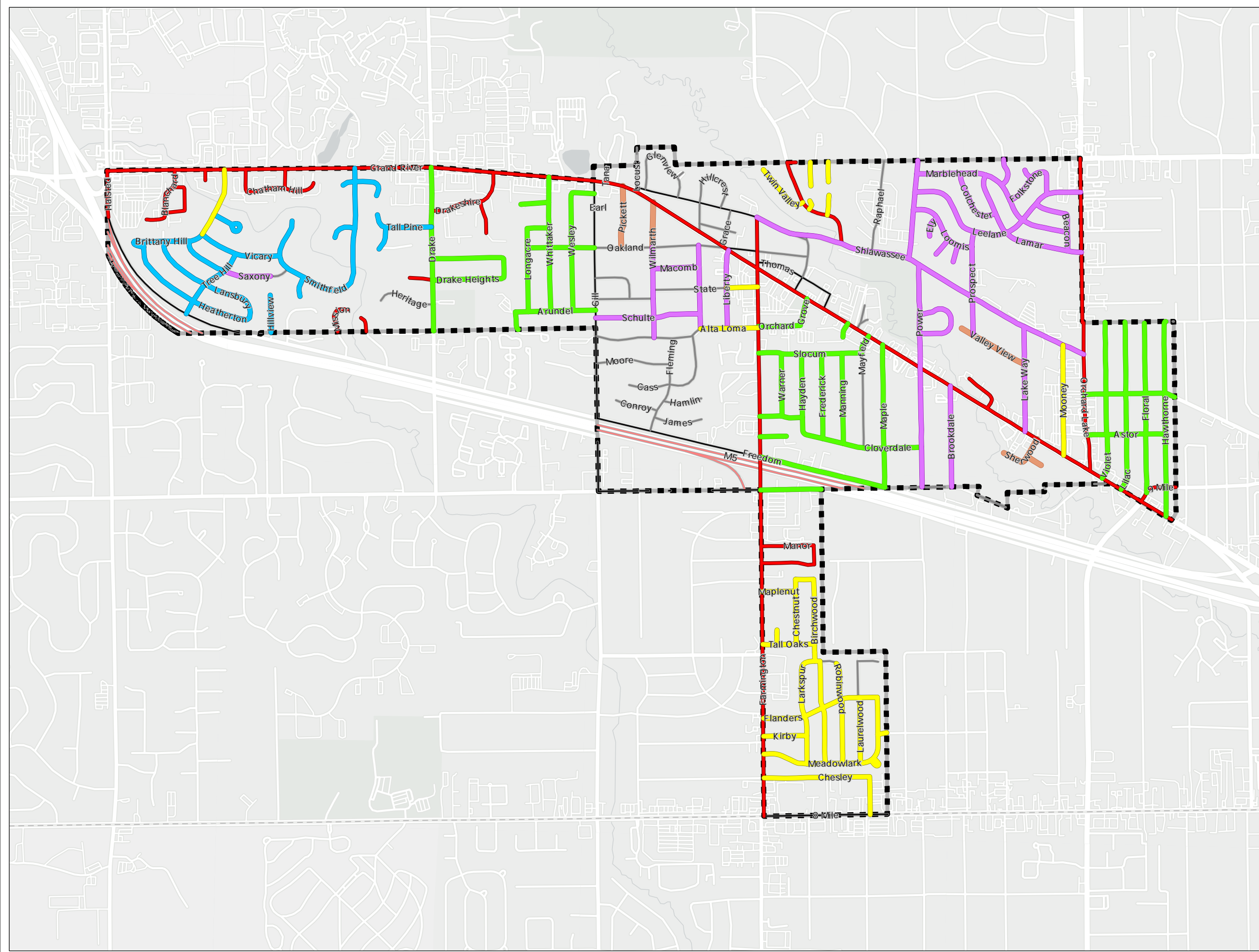
WARNING TO DEPONENT: A PERSON, WHO WITH INTENT TO DEFRAUD, GIVES A FALSE SWORN STATEMENT IS SUBJECT TO CRIMINAL PENALTIES AS PROVIDED IN SECTION 110 OF THE CONSTRUCTION LIEN ACT, ACT NO. 497 OF THE PUBLIC ACTS OF 1980, AS AMENDED, BEING SECTION 570.2220 OF THE MICHIGAN COMPILED LAWS.



Subscribed and sworn to before me this
22nd Day of April ²⁰²⁴
Jessie S. Simmons
Notary Public
Sackson County, Michigan
My commission expires: 9/23/2027

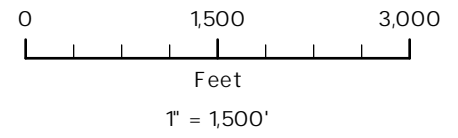


Crack Seal Map Completed Zones



- Crack Seal Progression Status**
- Completed in July & August 2019
 - Completed in June & September 2020
 - Completed in June & July 2021
 - Completed in September & November 2023
- Farmington Roads**
- Non-Public Roads
 - Not Sealable - Bad Condition
 - Secondary Roads
 - Major Roads
 - Freeway
 - Municipal Boundary

3



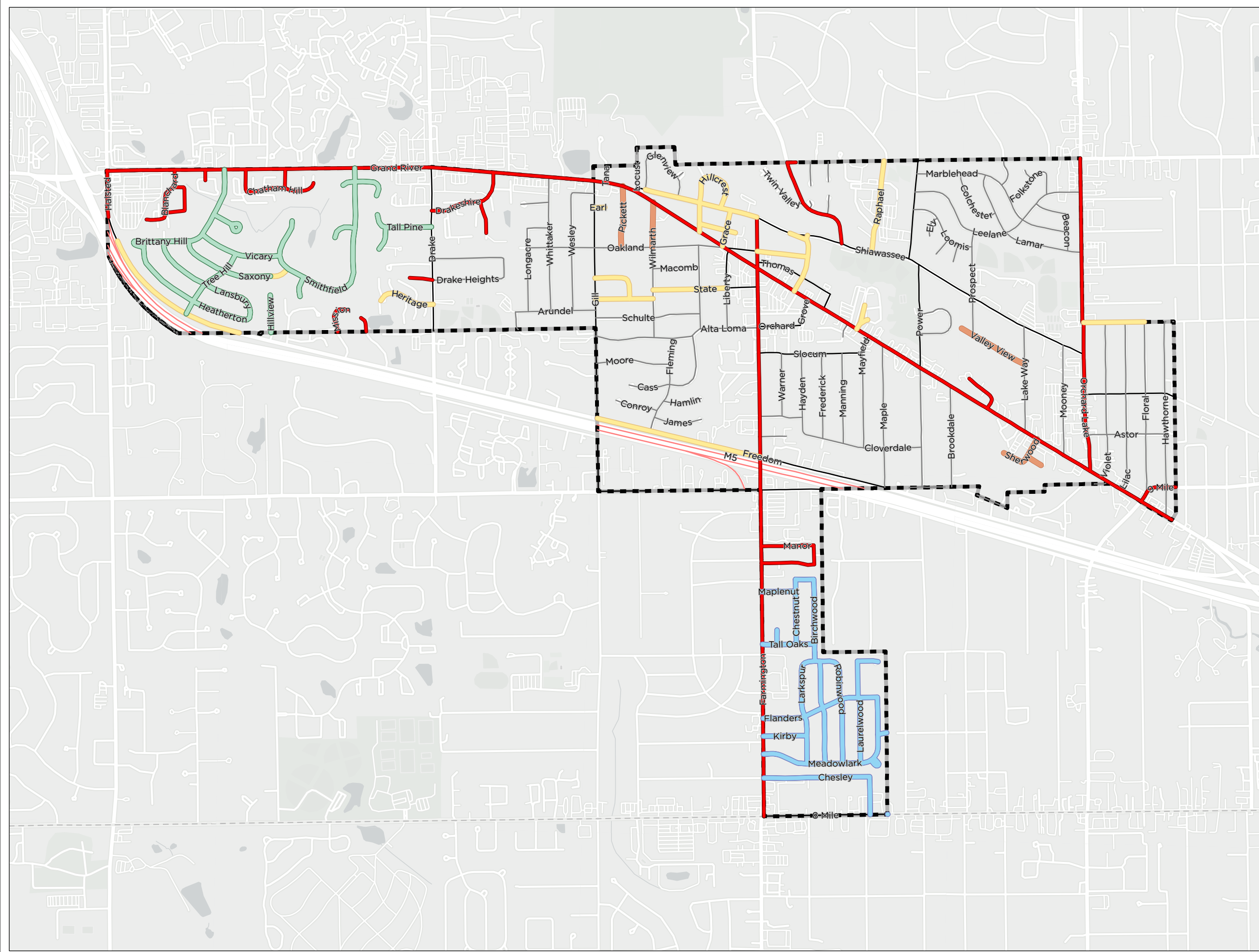
Source: Data provided by OHM Advisors Farmington, Esri, and State of Michigan. OHM Advisors does not warrant the accuracy of the data and/or the map. This document is intended to depict the approximate spatial location of the mapped features within the Community and all use is strictly at the user's own risk.

Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
Map Published: December 13, 2023



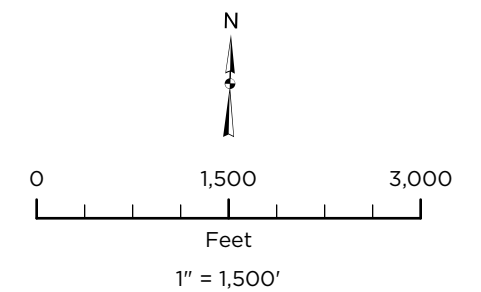


Crack Seal Map Incomplete Zones



- Priority Level for 2024
- 1 (Yellow)
 - 2 (Blue)
 - 3 (Green)
- Farmington Roads
- Non-Public Roads (Red)
 - Not Sealable - Bad Condition (Orange)
 - Secondary Roads (Black)
 - Major Roads (Grey)
 - Freeway (Red)
 - Municipal Boundary (Dashed Black)

- NOTES:
- 2024 Priority 1 work shall begin at the west end of the City and work towards the east.
 - Saxony was crack sealed in 2020 along with undergoing concrete patch repairs. However, over-banding shall be completed in the areas where concrete patch repairs were completed.



Source: Data provided by OHM Advisors, Farmington, Esri, and State of Michigan. OHM Advisors does not warrant the accuracy of the data and/or the map. This document is intended to depict the approximate spatial location of the mapped features within the Community and all use is strictly at the user's own risk.

Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl

Map Published: January 4, 2024



Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6J
Submitted by: Charles Eudy, Superintendent		
Agenda Topic: 9 Mile Retention Environmental Quality Basin		
<p>Proposed Motion: Move to approve the award of the 9 Mile Retention Environmental Quality Basin Electrical Service Equipment Assessment Repair Project to Rotor Electric in the amount of \$19,230 plus 10 % contingency of \$1,920 and allow Oakland County Water Resource Commission OCWRC execute the contract documents. Total estimated expense of the project is \$21,150.</p>		
<p>Background: At the LRP meeting in February 2022, Oakland County Water Resource Commission recommended to consider Electrical Service Equipment Assessment (megger) at the 9 Mile Retention Environmental Quality Basin. The electrical system assessment was completed in December 2023. Multiple service items defined within the report from Oakland County Water Resource Commissioners Office were identified following the Electrical Service Equipment Assessment. The 9 Mile Retention Environmental Quality Basin is a critical asset which will continue to need significant funding to maintain its operation.</p> <p>Oakland County Water Resource Commission (OCWRC) is permitting the City of Farmington to use their contract with Rotor Electric for the Electrical Service Equipment Assessment Repair Project at the 9 Mile Retention Environmental Quality Basin. OCWRC will oversee the project, conduct all inspections, and provide staff to assist the contractor if needed.</p> <p>OCWRC recommends awarding the 9 Mile Retention Environmental Quality Basin Electrical Service Equipment Assessment Repair Project to Rotor Electric located at 9522 Grinnell Ave, Detroit MI 48213 in the amount of \$19,230, plus a 10% contingency (\$1,920), totaling \$21,150. OCWRC will assist Rotor Electric to conduct the service repairs if needed.</p>		
<p>Materials: Recommendation of award from OCWRC</p>		



February 27, 2024

Chuck Eudy, Public Works Superintendent
City of Farmington
23600 Liberty Street
Farmington, MI 48335

Re: Oakland County Water Resources Commissioner Office
Farmington Retention Treatment Basin
Electrical Service Equipment Assessment

Dear Mr. Eudy:

The Rotor Electric Company completed cleaning and assessment for electrical service equipment as described in our letter dated February 14, 2023. Attached to this letter are their test results. Furthermore, below is their executive summary of their findings. We will submit a separate letter with the invoice for these services.

WRC has further assessed the Rotor Electric recommendations and has developed a cost estimate to perform necessary replacements. WRC estimates the cost to be on the order of \$21,150. This estimate includes two electricians for a full week. The following is a breakdown of this cost estimate:

WRC Labor and Equipment:	\$9,130
Materials:	\$10,100
Contingency (10%):	\$1,920
Total:	\$21,150

We have added this work to our budget for the 2024 fiscal year. Please advise if you would like WRC to perform these repairs.

Sincerely,

M. Drew Sandahl

M. Drew Sandahl, P.E.
Chief Engineer

ROTOR ELECTRIC EXECUTIVE SUMMARY

Outdoor Generator

The generator output breaker was not closing properly. Debris from mud doggers was found in the mechanism. I understand that the county has already replaced this breaker.

480V Indoor Switchgear

The test reports indicate that the INSTANTANEOUS protection function could be tested using the manufacturers full function test set.

Indoor MCC-1

1: The contacts on the A phase of the contactor in the spare starter in Cell 1B do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing them before placing this spare starter in service.

2: The contacts on the A and C phase of the HWP-01 starter in Cell 4C do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing them as the resistance for these contacts is significantly higher than the B phase.

3: The contacts on the B phase of the PRV-01 starter in Cell 5A do not meet the NETA standards of less than 25% difference between the adjacent phases. This difference is likely in one of the B phase wiring. Tightening all of the B phase connections in the starter may resolve this. There also may be corrosion on a terminal / lug on the B phase.

4: The contacts on the C phase of the breaker and contactor in the AHU-1 starter in Cell 5B are lower than the A and B phase. While they are not within the NETA recommended 25% difference between adjacent phases there should not be any operational issues.

5: The contacts on the C phase of the contactor in the Sump Pump 1 starter in Cell 5C do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing them as the resistance for these contacts is significantly higher than the A and C phase.

6: The contacts on the A phase of the breaker and contactor in the Sump Pump 2 starter in Cell 5D are lower than the B and C phase. While they are not within the NETA recommended 25% difference between adjacent phases there should not be any operational issues.

7: The contacts on the C phase of the contactor in the PRV-03 starter in Cell 5F do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing them as the resistance for these contacts is significantly higher than the A and B phase.

8: The breaker for the Water Pressure System in Cell 6E could not be closed. This breaker was found to be in the open position. The county should determine whether this equipment is needed and replace the breaker.

9: The contacts on the C phase of the contactor in the PRV-04 starter in Cell 7B do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing them as the resistance for these contacts is significantly higher than the A and B phase.

10: The breaker for the Chemical Pump CWP-02 in Cell 7D was found to have overcurrent elements tripped on the A and the B phase which could not be reset. The General Electric Mag-Break model numbers is TEC36015. I had found a replacement unit on E-bay (see attached) and I think that I submitted a cost estimate to replace this. The county should determine whether this equipment is needed and replace the breaker.

11: The contacts on the A phase of the contactor in the Chemical Pump CWP-01 starter in Cell 7E do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing them as the resistance for these contacts is significantly higher than the B and C phase.

Outdoor MCC-2

1: The contacts on the A and the C phase of the breaker in the SF CB-06 starter in Cell 3D do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should

consider replacing the breaker as the resistance for these contacts is significantly higher than the B phase.

2: The contacts on the B phase of the breaker in the SF CB-07 starter in Cell 4A do not meet the NETA standards of less than 25% difference between the adjacent phases. While they are not within the NETA recommended 25% difference between adjacent phases there should not be any operational issues.

3: The contacts on the A phase of the breaker in the SF CB-09 starter in Cell 5A do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing the breaker as the resistance for these contacts is significantly higher than the B and C phase.

4: The contacts on the A phase of the breaker in the SF CB-10 starter in Cell 5B do not meet the NETA standards of less than 25% difference between the adjacent phases. While they are not within the NETA recommended 25% difference between adjacent phases there should not be any operational issues.

5: The contacts on the C phase of the breaker in the SF CB-11 starter in Cell 5C do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing the breaker as the resistance for these contacts is significantly higher than the A and B phase.

6: The contacts on the C phase of the breaker in the Spare starter in Cell 5D do not meet the NETA standards of less than 25% difference between the adjacent phases. The county should consider replacing the breaker before placing this spare starter in service.

7: The starter for PRV-7 in cell 6A was found to have its field wiring disconnected and the contactor not properly secured to the backplate. This starter was also tagged out of service.

8: The contactor in the PRV-8 starter in Cell 6B is not suitable for service. The contact resistance on the breaker do not meet NETA standards, the bucket is missing a finger cluster and will not connect to all three phases and there is internal wiring missing for the C phase. The county should determine if PRV-8 is going to be returned to service and repair this starter appropriately.

9: The contactor in the PRV-9 starter in Cell 6C is not operable. The coil on the contactor has failed. Rotor Electric purchased a replacement contactor which needs to be turned over to the county for installation.

10: There are multiple issues with the spare starter in cell 6E. The coil on the starter chatters pretty badly when energized and there are a lot of rusty components. The county should only use this for repair components.

11: The breaker in the spare disconnect in cell 6F does not operate freely. The county should replace this breaker before placing this disconnect in service.

12: The breaker in the spare disconnect in cell 6G will not close. The county should replace this breaker before placing this disconnect in service.

13: The contacts on the B phase of the breaker in the Wash Down Valve BV-6 disconnect in Cell 7E do not meet the NETA standards of less than 25% difference between the adjacent phases. While they are not within the NETA recommended 25% difference between adjacent phases there should not be any operational issues.

14: The contacts on the C phase of the contactor and the B phase of the breaker in the Sump Pump 1 starter in Cell 8A do not meet the NETA standards of less than 25% difference between the adjacent phases. The overall resistance of the phase assemblies are within NETA requirements.

15: The contacts on the B phase of the breaker in the Wash Down Valve BV-4 disconnect in Cell 6C do not meet the NETA standards of less than 25% difference between the adjacent phases. While they are not within the NETA recommended 25% difference between adjacent phases there should not be any operational issues.



Table of Contents

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

Customer OCWRC-Farmington Station
Customer _____
Plant _____

Substation	Equip ID	Equipment	Page
480V Switchgear	00095 LVB	LOW VOLTAGE BREAKER TEST	
480V Switchgear	00096 LVB	LOW VOLTAGE BREAKER TEST	
480V Switchgear	00097 LVB	LOW VOLTAGE BREAKER TEST	
480V Switchgear	00098 LVB	LOW VOLTAGE BREAKER TEST	
MCC-1	05173 WWP-02	LV MCC BREAKER / STARTER TEST	
MCC-1	05174 XFMR T1 Feed	LV MCC BREAKER / STARTER TEST	
MCC-1	05175 Spare Disc Cell 2C	LV MCC BREAKER / STARTER TEST	
MCC-1	05175 Spare Starter Cell 1B	LV MCC BREAKER / STARTER TEST	
MCC-1	05177 WWP-03	LV MCC BREAKER / STARTER TEST	
MCC-1	05178 Wet Well Cntrl Panel	LV MCC BREAKER / STARTER TEST	
MCC-1	05179 Ltg Pnl L Feed	LV MCC BREAKER / STARTER TEST	
MCC-1	05180 Boiler	LV MCC BREAKER / STARTER TEST	
MCC-1	05181 Air Compressor	LV MCC BREAKER / STARTER TEST	
MCC-1	05182 OH Door	LV MCC BREAKER / STARTER TEST	
MCC-1	05183 Jib Hoist	LV MCC BREAKER / STARTER TEST	
MCC-1	05184 Spare Disc Cell 3G	LV MCC BREAKER / STARTER TEST	
MCC-1	05185 Centrifugre CB-02	LV MCC BREAKER / STARTER TEST	
MCC-1	05186 Centrifugre CB-01	LV MCC BREAKER / STARTER TEST	
MCC-1	05187 H2O Pump HWP-01	LV MCC BREAKER / STARTER TEST	
MCC-1	05188 H2O Pump HWP-02	LV MCC BREAKER / STARTER TEST	
MCC-1	05189 Wash Booster P1	LV MCC BREAKER / STARTER TEST	
MCC-1	05190 PRV-01	LV MCC BREAKER / STARTER TEST	
MCC-1	05191 AHU-1	LV MCC BREAKER / STARTER TEST	
MCC-1	05192 Sump Pump 1	LV MCC BREAKER / STARTER TEST	
MCC-1	05193 Sump Pump 2	LV MCC BREAKER / STARTER TEST	
MCC-1	05194 PRV-02	LV MCC BREAKER / STARTER TEST	
MCC-1	05195 PRV-03	LV MCC BREAKER / STARTER TEST	
MCC-1	05197 Plug Valve PV-14	LV MCC BREAKER / STARTER TEST	
MCC-1	05198 Sluice Gate SG-01	LV MCC BREAKER / STARTER TEST	
MCC-1	05199 Sluice Gate SG-02	LV MCC BREAKER / STARTER TEST	
MCC-1	05200 Water Pressure System	LV MCC BREAKER / STARTER TEST	
MCC-1	05203 Wash Booster P2	LV MCC BREAKER / STARTER TEST	
MCC-1	05203 Wash Down P-2	LV MCC BREAKER / STARTER TEST	
MCC-1	05204 Chem Pump Control	LV MCC BREAKER / STARTER TEST	
MCC-1	05205 PRV-04	LV MCC BREAKER / STARTER TEST	
MCC-1	05206 Plug Valve PV-10	LV MCC BREAKER / STARTER TEST	
MCC-1	05207 Chem Pump CWP-02	LV MCC BREAKER / STARTER TEST	
MCC-1	05208 Chem Pump CWP-01	LV MCC BREAKER / STARTER TEST	



Table of Contents

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

Substation	Equip ID	Equipment	Page
MCC-1	05210 Chem Pump CWP-02 Me	LV MCC BREAKER / STARTER TEST	
MCC-1	05211 WWP-05	LV MCC BREAKER / STARTER TEST	
MCC-1	05212 WWP-06	LV MCC BREAKER / STARTER TEST	
MCC-1	XXXXX Chem Pump 1	LV MCC BREAKER / STARTER TEST	
MCC-1	XXXXX Sump Pump Cntl Panel	LV MCC BREAKER / STARTER TEST	
MCC-2	05140 OCF DAMPER CONTRO	LV MCC BREAKER / STARTER TEST	
MCC-2	05141 OFC-01	LV MCC BREAKER / STARTER TEST	
MCC-2	05142 OFC-2	LV MCC BREAKER / STARTER TEST	
MCC-2	05143 SF CB-03	LV MCC BREAKER / STARTER TEST	
MCC-2	05144 SF CB-04	LV MCC BREAKER / STARTER TEST	
MCC-2	05145 SF CB-05	LV MCC BREAKER / STARTER TEST	
MCC-2	05146 SF CB-06	LV MCC BREAKER / STARTER TEST	
MCC-2	05147 SF CB-07	LV MCC BREAKER / STARTER TEST	
MCC-2	05148 SF CB-08	LV MCC BREAKER / STARTER TEST	
MCC-2	05150 SP1 & SP2 CONTROLS	LV MCC BREAKER / STARTER TEST	
MCC-2	05151 SF CB-09	LV MCC BREAKER / STARTER TEST	
MCC-2	05152 SF CB-10	LV MCC BREAKER / STARTER TEST	
MCC-2	05153 SF CB-11	LV MCC BREAKER / STARTER TEST	
MCC-2	05154 SPARE STARTER 1	LV MCC BREAKER / STARTER TEST	
MCC-2	05155 PRV-7	LV MCC BREAKER / STARTER TEST	
MCC-2	05156 PRV-8	LV MCC BREAKER / STARTER TEST	
MCC-2	05157 PRV-9	LV MCC BREAKER / STARTER TEST	
MCC-2	05158 MCCB	LV MCC BREAKER / STARTER TEST	
MCC-2	05159 Spare Starter 2	LV MCC BREAKER / STARTER TEST	
MCC-2	05160 Spare Disc 1	LV MCC BREAKER / STARTER TEST	
MCC-2	05161 Spare Disc 2	LV MCC BREAKER / STARTER TEST	
MCC-2	05162 Sump Pump P2	LV MCC BREAKER / STARTER TEST	
MCC-2	05163 Wash Down Valve BFV-5	LV MCC BREAKER / STARTER TEST	
MCC-2	05164 Spray Wash Valve BFV-3	LV MCC BREAKER / STARTER TEST	
MCC-2	05165 Wash Down Valve BFV-6	LV MCC BREAKER / STARTER TEST	
MCC-2	05166 Sump Pump P1	LV MCC BREAKER / STARTER TEST	
MCC-2	05167 Spray Wash BFV-1	LV MCC BREAKER / STARTER TEST	
MCC-2	05168 Wash Down Valve BFV-4	LV MCC BREAKER / STARTER TEST	
MCC-2	05169 Spray Wash BFV-2	LV MCC BREAKER / STARTER TEST	
MCC-2	XXXXX Ltg Panel	LV MCC BREAKER / STARTER TEST	



LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION 480V Switchgear HUMIDITY 33 % ASSET ID 00095 LVB

EQUIP ID 00095 LVB TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ DTE MAIN REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ DTE MAIN

MANUFACTURER: General Electric BOLT IN/DRAW-OUT: Draw-out TRIP UNIT MANUFACTURER: General Electric TARGETS: LIG

MODEL#: TC1616SSE1C VOLTAGE RATING: 600V TRIP UNIT TYPE: RMS-9 LTD CURVE: N/A

SERIAL NUMBER: V111861 INTER CAPACITY: 50kA RATING PLUG: TR16S1200 STD CURVE: N/A

FRAME SIZE: 1600 Amp ZONE INTERLOCK: N/A CT RATIOS: 1600 GFD CURVE: N/A

INSTRUCTION BOOK: GEH-4693D MANUFACTURER SALE ORDER NO. _____

Description	INSPECTED	CONDITION CODE/COMMENTS
COMPARE NAMEPLATE DATA WITH DRAWINGS AND SPECS	<input checked="" type="checkbox"/>	B
VERIFY MAINT. DEVICES ARE AVAILABLE FOR SERVICE AND PROPER OPERATION	<input checked="" type="checkbox"/>	B
INSPECT PHYSICAL AND MECHANICAL CONDITION	<input checked="" type="checkbox"/>	B/F
INSPECT ANCHORAGE, ALIGNMENT AND GROUNDING	<input checked="" type="checkbox"/>	B
VERIFY CELL FIT & ELEMENT ALIGNMENT	<input checked="" type="checkbox"/>	B
CLEAN BREAKER	<input checked="" type="checkbox"/>	F
INSPECT ARC CHUTES	<input checked="" type="checkbox"/>	B/F
INSPECT MOVING AND STATIONARY CONTACTS FOR CONDITION, WEAR AND ALIGNMENT	<input checked="" type="checkbox"/>	B
VERIFY PRIMARY AND SECONDARY CONTACT WIPE AND OTHER DIMENSIONS VITAL TO SATISFACTORY OPERATIONS OF THE BREAKER ARE CORRECT	<input checked="" type="checkbox"/>	B
PERFORM ALL MECHANIC OPERATOR AND CONTACT ALIGNMENT TESTS ON BOTH THE BREAKER AND ITS OPERATING MECHANISM	<input checked="" type="checkbox"/>	B
VERIFY OPERATION OF CHARGING AND RACKING MECHANISM	<input checked="" type="checkbox"/>	B
PERFORM INSULATION RESISTANCE TESTS ON CONTROL WIRING	<input checked="" type="checkbox"/>	B
REPLACE TRIP UNIT BATTERY (WHEN PRESENT)	<input type="checkbox"/>	
PRIMARY INJECTION	<input type="checkbox"/>	
SECONDARY INJECTION	<input checked="" type="checkbox"/>	B
MANUFACTURER FUNCTIONAL TEST	<input checked="" type="checkbox"/>	B

CONDITION LEGEND	
A =	LIKE NEW CONDITION
B =	GOOD CONDITION
C =	POOR CONDITION NEED CORRECTION
D =	CORRECTIONS MADE
E =	UNACCEPTABLE CONDITION DO NOT USE
F =	DIRTY/REQUIRES CLEANING

COUNTER READINGS	
BEGINNING	NA
END	NA

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

TESTED BY: Joe DePerro



LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
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AS FOUND INSULATION RESISTANCE

A-B Closed	79.5	Giga-Ohms	A-Grd Closed	135.2	Giga-Ohms	A-A' Open	200	Giga-Ohms	Reading
	83.475	Giga-Ohms		141.96	Giga-Ohms		210	Giga-Ohms	20C
B-C Closed	100.5	Giga-Ohms	B-Grd Closed	50.9	Giga-Ohms	B-B' Open	200	Giga-Ohms	Reading
	105.525	Giga-Ohms		53.445	Giga-Ohms		210	Giga-Ohms	20C
C-A Closed	94	Giga-Ohms	C-Grd Closed	124.6	Giga-Ohms	C-C' Open	200	Giga-Ohms	Reading
	98.7	Giga-Ohms		130.83	Giga-Ohms		210	Giga-Ohms	20C

AS FOUND CONTACT RESISTANCE

A	50.5	Micro-Ohms
B	79.4	Micro-Ohms
C	47.2	Micro-Ohms

TRIP UNIT SETTINGS AND TESTS

FUNCTION		
LONG TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
SHORT TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
INSTANTANEOUS	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
GROUND FAULT DELAY	<input checked="" type="radio"/> 12T ON	<input type="radio"/> 12T OFF
GROUND FAULT DEFEATED	<input type="radio"/> ON	<input checked="" type="radio"/> OFF
THERMAL MEMORY	<input type="radio"/> ON	<input checked="" type="radio"/> OFF

FUNCTION	AS FOUND SETTING	AS LEFT SETTING	AS TESTED SETTING	EXPECTED TEST VALUES	FUNCTION TESTED	PHASE A	PHASE B	PHASE C
LONG TIME PICK-UP	1	1	1		LONG TIME PICK-UP CURRENT (AMPS)	NA		
LONG TIME MULTIPLIER	6	6	6	X LTPU	LONG TIME SET CURRENT (AMPS)	6		
LONG TIME DELAY	3	3	3		LONG TIME DELAY (SECONDS)	11.42 S		
SHORT TIME PICK-UP	NA	NA	NA		SHORT TIME PICK-UP CURRENT (AMPS)	NA		
SHORT TIME MULTIPLIER	NA	NA	NA	X STPU	SHORT TIME TEST CURRENT (AMPS)	NA		
SHORT TIME DELAY	NA	NA	NA		SHORT TIME DELAY (SECONDS)	NA		
INSTANTANEOUS PICK-UP	7	7	7		INSTANTANEOUS PICK-UP TEST CURRENT (AMPS)	NA		
GROUND FAULT PICK-UP	0.35S	0.35S	0.35S	PASS	GROUND FAULT PICK-UP CURRENT (AMPS)	PASS		
GROUND FAULT MULTIPLIER				X GFPU	GROUND FAULT PICK-UP TEST CURRENT (AMPS)	0.45		
GROUND FAULT DELAY	MAX	MAX	MAX	PASS	GROUND FAULT DELAY (SECONDS)	0.39		

AS LEFT INSULATION RESISTANCE

A-B Closed	86.7	Giga-Ohms	A-Grd Closed	133.7	Giga-Ohms	A-A' Open	200	Giga-Ohms	Reading
	91.035	Giga-Ohms		140.385	Giga-Ohms		210	Giga-Ohms	20C
B-C Closed	93.1	Giga-Ohms	B-Grd Closed	81.2	Giga-Ohms	B-B' Open	200	Giga-Ohms	Reading
	97.755	Giga-Ohms		85.26	Giga-Ohms		210	Giga-Ohms	20C
C-A Closed	110.3	Giga-Ohms	C-Grd Closed	118.7	Giga-Ohms	C-C' Open	200	Giga-Ohms	Reading
	115.815	Giga-Ohms		124.635	Giga-Ohms		210	Giga-Ohms	20C

AS LEFT CONTACT RESISTANCE

A	63.5	Micro-Ohms
B	60.7	Micro-Ohms
C	47.4	Micro-Ohms

COMMENTS: _____
DEFICIENCIES: _____



LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
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CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION 480V Switchgear HUMIDITY 33 % ASSET ID 00096 LVB

EQUIP ID 00096 LVB TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ GENERATOR FEED _____ REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ GENERATOR FEED _____

MANUFACTURER: General Electric BOLT IN/DRAW-OUT: Draw-out TRIP UNIT MANUFACTURER: General Electric TARGETS: LIG

MODEL#: TC1616SSE1C VOLTAGE RATING: 600V TRIP UNIT TYPE: RMS-9 LTD CURVE: N/A

SERIAL NUMBER: V111860 INTER CAPACITY: 50kA RATING PLUG: TR16S1200 STD CURVE: N/A

FRAME SIZE: 1600 Amp ZONE INTERLOCK: N/A CT RATIOS: 1600 GFD CURVE: N/A

INSTRUCTION BOOK: GEH-4693D MANUFACTURER SALE ORDER NO. _____

Description	INSPECTED	CONDITION CODE/COMMENTS
COMPARE NAMEPLATE DATA WITH DRAWINGS AND SPECS	<input checked="" type="checkbox"/>	B
VERIFY MAINT. DEVICES ARE AVAILABLE FOR SERVICE AND PROPER OPERATION	<input checked="" type="checkbox"/>	B
INSPECT PHYSICAL AND MECHANICAL CONDITION	<input checked="" type="checkbox"/>	B/F
INSPECT ANCHORAGE, ALIGNMENT AND GROUNDING	<input checked="" type="checkbox"/>	B
VERIFY CELL FIT & ELEMENT ALIGNMENT	<input checked="" type="checkbox"/>	B
CLEAN BREAKER	<input checked="" type="checkbox"/>	B/F
INSPECT ARC CHUTES	<input checked="" type="checkbox"/>	NA
INSPECT MOVING AND STATIONARY CONTACTS FOR CONDITION, WEAR AND ALIGNMENT	<input checked="" type="checkbox"/>	B
VERIFY PRIMARY AND SECONDARY CONTACT WIPE AND OTHER DIMENSIONS VITAL TO SATISFACTORY OPERATIONS OF THE BREAKER ARE CORRECT	<input checked="" type="checkbox"/>	B
PERFORM ALL MECHANIC OPERATOR AND CONTACT ALIGNMENT TESTS ON BOTH THE BREAKER AND ITS OPERATING MECHANISM	<input checked="" type="checkbox"/>	B
VERIFY OPERATION OF CHARGING AND RACKING MECHANISM	<input checked="" type="checkbox"/>	B
PERFORM INSULATION RESISTANCE TESTS ON CONTROL WIRING	<input checked="" type="checkbox"/>	B
REPLACE TRIP UNIT BATTERY (WHEN PRESENT)	<input type="checkbox"/>	
PRIMARY INJECTION	<input type="checkbox"/>	
SECONDARY INJECTION	<input checked="" type="checkbox"/>	B
MANUFACTURER FUNCTIONAL TEST	<input checked="" type="checkbox"/>	B

CONDITION LEGEND	
A =	LIKE NEW CONDITION
B =	GOOD CONDITION
C =	POOR CONDITION NEED CORRECTION
D =	CORRECTIONS MADE
E =	UNACCEPTABLE CONDITION DO NOT USE
F =	DIRTY/REQUIRES CLEANING

COUNTER READINGS	
BEGINNING	NA
END	NA

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

TESTED BY: Joe DePerro



LOW VOLTAGE BREAKER TEST

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AS FOUND INSULATION RESISTANCE

A-B Closed	106.3	Giga-Ohms	A-Grd Closed	181	Giga-Ohms	A-A' Open		Meg-Ohms	Reading
	111.615	Giga-Ohms		190.05	Giga-Ohms			Meg-Ohms	20C
B-C Closed	119.4	Giga-Ohms	B-Grd Closed	104.9	Giga-Ohms	B-B' Open		Meg-Ohms	Reading
	125.37	Giga-Ohms		110.145	Giga-Ohms			Meg-Ohms	20C
C-A Closed	167.1	Giga-Ohms	C-Grd Closed	186.4	Giga-Ohms	C-C' Open		Meg-Ohms	Reading
	175.455	Giga-Ohms		195.72	Giga-Ohms			Meg-Ohms	20C

AS FOUND CONTACT RESISTANCE

A	70.4	Micro-Ohms
B	52.2	Micro-Ohms
C	59.9	Micro-Ohms

TRIP UNIT SETTINGS AND TESTS

FUNCTION		
LONG TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
SHORT TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
INSTANTANEOUS	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
GROUND FAULT DELAY	<input checked="" type="radio"/> 12T ON	<input type="radio"/> 12T OFF
GROUND FAULT DEFEATED	<input type="radio"/> ON	<input checked="" type="radio"/> OFF
THERMAL MEMORY	<input type="radio"/> ON	<input checked="" type="radio"/> OFF

FUNCTION	AS FOUND SETTING	AS LEFT SETTING	AS TESTED SETTING	EXPECTED TEST VALUES	FUNCTION TESTED	PHASE A	PHASE B	PHASE C
LONG TIME PICK-UP	1	1	1		LONG TIME PICK-UP CURRENT (AMPS)	PASS		
LONG TIME MULTIPLIER				X LTPU	LONG TIME SET CURRENT (AMPS)	6		
LONG TIME DELAY	3	3	3		LONG TIME DELAY (SECONDS)	11.42 S		
SHORT TIME PICK-UP	NA		NA		SHORT TIME PICK-UP CURRENT (AMPS)	NA		
SHORT TIME MULTIPLIER	NA		NA	X STPU	SHORT TIME TEST CURRENT (AMPS)	NA		
SHORT TIME DELAY	NA		NA		SHORT TIME DELAY (SECONDS)	NA		
INSTANTANEOUS PICK-UP	7	7	7		INSTANTANEOUS PICK-UP TEST CURRENT (AMPS)	NA		
GROUND FAULT PICK-UP	0.35	0.35	0.35		GROUND FAULT PICK-UP CURRENT (AMPS)	NA		
GROUND FAULT MULTIPLIER				X GFPU	GROUND FAULT PICK-UP TEST CURRENT (AMPS)	0.45		
GROUND FAULT DELAY	I2T MAX	I2T MAX	I2T MAX		GROUND FAULT DELAY (SECONDS)	0.39		

AS LEFT INSULATION RESISTANCE

A-B Closed	97.1	Giga-Ohms	A-Grd Closed	195	Giga-Ohms	A-A' Open	200	Giga-Ohms	Reading
	101.955	Giga-Ohms		204.75	Giga-Ohms		210	Giga-Ohms	20C
B-C Closed	107.5	Giga-Ohms	B-Grd Closed	121.3	Giga-Ohms	B-B' Open	200	Giga-Ohms	Reading
	112.875	Giga-Ohms		127.365	Giga-Ohms		210	Giga-Ohms	20C
C-A Closed	162	Giga-Ohms	C-Grd Closed	200	Giga-Ohms	C-C' Open	200	Giga-Ohms	Reading
	170.1	Giga-Ohms		210	Giga-Ohms		210	Giga-Ohms	20C

AS LEFT CONTACT RESISTANCE

A	54	Micro-Ohms
B	54.2	Micro-Ohms
C	61.6	Milli-Ohms

COMMENTS:

DEFICIENCIES:

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LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
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CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °F JOB # 719706

SUBSTATION 480V Switchgear HUMIDITY 33 % ASSET ID 00097 LVB

EQUIP ID 00097 LVB TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: MCC-2 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: MCC-2

MANUFACTURER: General Electric BOLT IN/DRAW-OUT: Bolt-In TRIP UNIT MANUFACTURER: General Electric TARGETS: LI

MODEL#: TP88SS VOLTAGE RATING: 600V TRIP UNIT TYPE: RMS-9 LTD CURVE: N/A

SERIAL NUMBER: V111822 INTER CAPACITY: 50kA RATING PLUG: TR8S800 STD CURVE: N/A

FRAME SIZE: 800 Amp ZONE INTERLOCK: N/A CT RATIOS: 800 GFD CURVE: N/A

INSTRUCTION BOOK: GEH-4693D MANUFACTURER SALE ORDER NO. _____

Description	INSPECTED	CONDITION CODE/COMMENTS
COMPARE NAMEPLATE DATA WITH DRAWINGS AND SPECS	<input checked="" type="checkbox"/>	B
VERIFY MAINT. DEVICES ARE AVAILABLE FOR SERVICE AND PROPER OPERATION	<input checked="" type="checkbox"/>	B
INSPECT PHYSICAL AND MECHANICAL CONDITION	<input checked="" type="checkbox"/>	B/F
INSPECT ANCHORAGE, ALIGNMENT AND GROUNDING	<input checked="" type="checkbox"/>	B
VERIFY CELL FIT & ELEMENT ALIGNMENT	<input checked="" type="checkbox"/>	B
CLEAN BREAKER	<input checked="" type="checkbox"/>	B/F
INSPECT ARC CHUTES	<input checked="" type="checkbox"/>	B
INSPECT MOVING AND STATIONARY CONTACTS FOR CONDITION, WEAR AND ALIGNMENT	<input checked="" type="checkbox"/>	B
VERIFY PRIMARY AND SECONDARY CONTACT WIPE AND OTHER DIMENSIONS VITAL TO SATISFACTORY OPERATIONS OF THE BREAKER ARE CORRECT	<input checked="" type="checkbox"/>	B
PERFORM ALL MECHANIC OPERATOR AND CONTACT ALIGNMENT TESTS ON BOTH THE BREAKER AND ITS OPERATING MECHANISM	<input checked="" type="checkbox"/>	B
VERIFY OPERATION OF CHARGING AND RACKING MECHANISM	<input checked="" type="checkbox"/>	B
PERFORM INSULATION RESISTANCE TESTS ON CONTROL WIRING	<input checked="" type="checkbox"/>	B
REPLACE TRIP UNIT BATTERY (WHEN PRESENT)	<input type="checkbox"/>	
PRIMARY INJECTION	<input type="checkbox"/>	
SECONDARY INJECTION	<input checked="" type="checkbox"/>	B
MANUFACTURER FUNCTIONAL TEST	<input checked="" type="checkbox"/>	B

CONDITION LEGEND	
A =	LIKE NEW CONDITION
B =	GOOD CONDITION
C =	POOR CONDITION NEED CORRECTION
D =	CORRECTIONS MADE
E =	UNACCEPTABLE CONDITION DO NOT USE
F =	DIRTY/REQUIRES CLEANING

COUNTER READINGS	
BEGINNING	NA
END	NA

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

TESTED BY: Joe DePerro



LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
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AS FOUND INSULATION RESISTANCE

A-B Closed	0.0926	Giga-Ohms	A-Grd Closed	0.1395	Giga-Ohms	A-A' Open	1.247	Giga-Ohms	Reading
	0.09723	Giga-Ohms		0.146475	Giga-Ohms		1.30935	Giga-Ohms	20C
B-C Closed	0.0986	Giga-Ohms	B-Grd Closed	0.16	Giga-Ohms	B-B' Open	1.089	Giga-Ohms	Reading
	0.10353	Giga-Ohms		0.168	Giga-Ohms		1.14345	Giga-Ohms	20C
C-A Closed	0.1409	Giga-Ohms	C-Grd Closed	0.1473	Giga-Ohms	C-C' Open	1.141	Giga-Ohms	Reading
	0.147945	Giga-Ohms		0.154665	Giga-Ohms		1.19805	Giga-Ohms	20C

AS FOUND CONTACT RESISTANCE

A	34.6	Micro-Ohms
B	31.5	Micro-Ohms
C	35.3	Micro-Ohms

TRIP UNIT SETTINGS AND TESTS

FUNCTION		
LONG TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
SHORT TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
INSTANTANEOUS	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
GROUND FAULT DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
GROUND FAULT DEFEATED	<input type="radio"/> ON	<input checked="" type="radio"/> OFF
THERMAL MEMORY	<input type="radio"/> ON	<input checked="" type="radio"/> OFF

FUNCTION	AS FOUND SETTING	AS LEFT SETTING	AS TESTED SETTING	EXPECTED TEST VALUES	FUNCTION TESTED	PHASE A	PHASE B	PHASE C
LONG TIME PICK-UP	1	1	1		LONG TIME PICK-UP CURRENT (AMPS)			
LONG TIME MULTIPLIER	NA	NA	6	X LTPU	LONG TIME SET CURRENT (AMPS)			
LONG TIME DELAY	3	3	3		LONG TIME DELAY (SECONDS)	11.42		1
SHORT TIME PICK-UP	NA	NA	NA		SHORT TIME PICK-UP CURRENT (AMPS)			
SHORT TIME MULTIPLIER	NA	NA	NA	X STPU	SHORT TIME TEST CURRENT (AMPS)			
SHORT TIME DELAY	NA	NA	NA		SHORT TIME DELAY (SECONDS)			
INSTANTANEOUS PICK-UP	7	7	7		INSTANTANEOUS PICK-UP TEST CURRENT (AMPS)			
GROUND FAULT PICK-UP	NA	NA	NA		GROUND FAULT PICK-UP CURRENT (AMPS)			
GROUND FAULT MULTIPLIER	NA	NA	NA	X GFPU	GROUND FAULT PICK-UP TEST CURRENT (AMPS)			
GROUND FAULT DELAY	NA	NA	NA		GROUND FAULT DELAY (SECONDS)			

AS LEFT INSULATION RESISTANCE

A-B Closed	0.0936	Giga-Ohms	A-Grd Closed	0.01499	Giga-Ohms	A-A' Open	1.275	Giga-Ohms	Reading
	0.09828	Giga-Ohms		0.0157395	Giga-Ohms		1.33875	Giga-Ohms	20C
B-C Closed	0.0101	Meg-Ohms	B-Grd Closed	0.01665	Giga-Ohms	B-B' Open	1.386	Giga-Ohms	Reading
	0.010605	Meg-Ohms		0.0174825	Giga-Ohms		1.4553	Giga-Ohms	20C
C-A Closed	0.01415	Giga-Ohms	C-Grd Closed	0.01475	Giga-Ohms	C-C' Open	1.416	Giga-Ohms	Reading
	0.0148575	Giga-Ohms		0.0154875	Giga-Ohms		1.4868	Giga-Ohms	20C

AS LEFT CONTACT RESISTANCE

A	33.1	Micro-Ohms
B	28.7	Micro-Ohms
C	32.5	Milli-Ohms

COMMENTS: SECONDARY TEST SET DOSE NOT TEST INST ON UNIT.

LONG TIME TEST ONLY

DEFICIENCIES:



LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
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CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION 480V Switchgear HUMIDITY 33 % ASSET ID 00098 LVB

EQUIP ID 00098 LVB TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: MCC-1 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: MCC-1

MANUFACTURER: General Electric BOLT IN/DRAW-OUT: Bolt-In TRIP UNIT MANUFACTURER: General Electric TARGETS: LI

MODEL#: TP88SS VOLTAGE RATING: 600V TRIP UNIT TYPE: RMS-9 LTD CURVE: N/A

SERIAL NUMBER: V110897 INTER CAPACITY: 50kA RATING PLUG: TR8S600 STD CURVE: N/A

FRAME SIZE: 800 Amp ZONE INTERLOCK: N/A CT RATIOS: 800 GFD CURVE: N/A

INSTRUCTION BOOK: GEH-4693D MANUFACTURER SALE ORDER NO. _____

Description	INSPECTED	CONDITION CODE/COMMENTS
COMPARE NAMEPLATE DATA WITH DRAWINGS AND SPECS	<input checked="" type="checkbox"/>	B
VERIFY MAINT. DEVICES ARE AVAILABLE FOR SERVICE AND PROPER OPERATION	<input checked="" type="checkbox"/>	B
INSPECT PHYSICAL AND MECHANICAL CONDITION	<input checked="" type="checkbox"/>	B/F
INSPECT ANCHORAGE, ALIGNMENT AND GROUNDING	<input checked="" type="checkbox"/>	B
VERIFY CELL FIT & ELEMENT ALIGNMENT	<input checked="" type="checkbox"/>	B
CLEAN BREAKER	<input checked="" type="checkbox"/>	B/F
INSPECT ARC CHUTES	<input checked="" type="checkbox"/>	B
INSPECT MOVING AND STATIONARY CONTACTS FOR CONDITION, WEAR AND ALIGNMENT	<input checked="" type="checkbox"/>	B
VERIFY PRIMARY AND SECONDARY CONTACT WIPE AND OTHER DIMENSIONS VITAL TO SATISFACTORY OPERATIONS OF THE BREAKER ARE CORRECT	<input type="checkbox"/>	
PERFORM ALL MECHANIC OPERATOR AND CONTACT ALIGNMENT TESTS ON BOTH THE BREAKER AND ITS OPERATING MECHANISM	<input checked="" type="checkbox"/>	B
VERIFY OPERATION OF CHARGING AND RACKING MECHANISM	<input checked="" type="checkbox"/>	B
PERFORM INSULATION RESISTANCE TESTS ON CONTROL WIRING	<input checked="" type="checkbox"/>	B
REPLACE TRIP UNIT BATTERY (WHEN PRESENT)	<input type="checkbox"/>	
PRIMARY INJECTION	<input type="checkbox"/>	
SECONDARY INJECTION	<input checked="" type="checkbox"/>	B
MANUFACTURER FUNCTIONAL TEST	<input checked="" type="checkbox"/>	B

CONDITION LEGEND	
A =	LIKE NEW CONDITION
B =	GOOD CONDITION
C =	POOR CONDITION NEED CORRECTION
D =	CORRECTIONS MADE
E =	UNACCEPTABLE CONDITION DO NOT USE
F =	DIRTY/REQUIRES CLEANING

COUNTER READINGS	
BEGINNING	NA
END	NA

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

TESTED BY: Joe DePerro



LOW VOLTAGE BREAKER TEST

ROTOR ELECTRIC COMPANY
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AS FOUND INSULATION RESISTANCE

A-B Closed	0.1507	Giga-Ohms	A-Grd Closed	0.2642	Giga-Ohms	A-A' Open	21.21	Giga-Ohms	Reading
	0.158235	Giga-Ohms		0.27741	Giga-Ohms		22.2705	Giga-Ohms	20C
B-C Closed	0.1592	Meg-Ohms	B-Grd Closed	0.2927	Giga-Ohms	B-B' Open	8.49	Giga-Ohms	Reading
	0.16716	Meg-Ohms		0.307335	Giga-Ohms		8.9145	Giga-Ohms	20C
C-A Closed	0.2293	Giga-Ohms	C-Grd Closed	0.2845	Meg-Ohms	C-C' Open	7.92	Giga-Ohms	Reading
	0.240765	Giga-Ohms		0.298725	Meg-Ohms		8.316	Giga-Ohms	20C

AS FOUND CONTACT RESISTANCE

A	34	Micro-Ohms
B	32.7	Micro-Ohms
C	34.7	Micro-Ohms

TRIP UNIT SETTINGS AND TESTS

FUNCTION		
LONG TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
SHORT TIME DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
INSTANTANEOUS	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
GROUND FAULT DELAY	<input type="radio"/> 12T ON	<input checked="" type="radio"/> 12T OFF
GROUND FAULT DEFEATED	<input type="radio"/> ON	<input checked="" type="radio"/> OFF
THERMAL MEMORY	<input type="radio"/> ON	<input checked="" type="radio"/> OFF

FUNCTION	AS FOUND SETTING	AS LEFT SETTING	AS TESTED SETTING	EXPECTED TEST VALUES	FUNCTION TESTED	PHASE A	PHASE B	PHASE C
LONG TIME PICK-UP	1	1	1		LONG TIME PICK-UP CURRENT (AMPS)	na		
LONG TIME MULTIPLIER				X LTPU	LONG TIME SET CURRENT (AMPS)	8		
LONG TIME DELAY	3	3	3		LONG TIME DELAY (SECONDS)	6.44		
SHORT TIME PICK-UP					SHORT TIME PICK-UP CURRENT (AMPS)	na		
SHORT TIME MULTIPLIER				X STPU	SHORT TIME TEST CURRENT (AMPS)	na		
SHORT TIME DELAY					SHORT TIME DELAY (SECONDS)	na		
INSTANTANEOUS PICK-UP	7	7	7		INSTANTANEOUS PICK-UP TEST CURRENT (AMPS)	na		
GROUND FAULT PICK-UP					GROUND FAULT PICK-UP CURRENT (AMPS)	na		
GROUND FAULT MULTIPLIER				X GFPU	GROUND FAULT PICK-UP TEST CURRENT (AMPS)	na		
GROUND FAULT DELAY					GROUND FAULT DELAY (SECONDS)	na		

AS LEFT INSULATION RESISTANCE

A-B Closed	0.1461	Giga-Ohms	A-Grd Closed	0.2597	Giga-Ohms	A-A' Open	6.64	Giga-Ohms	Reading
	0.153405	Giga-Ohms		0.272685	Giga-Ohms		6.972	Giga-Ohms	20C
B-C Closed	0.1546	Giga-Ohms	B-Grd Closed	0.2597	Giga-Ohms	B-B' Open	6.25	Giga-Ohms	Reading
	0.16233	Giga-Ohms		0.272685	Giga-Ohms		6.5625	Giga-Ohms	20C
C-A Closed	0.222	Giga-Ohms	C-Grd Closed	0.2669	Giga-Ohms	C-C' Open	7.15	Giga-Ohms	Reading
	0.2331	Giga-Ohms		0.280245	Giga-Ohms		7.5075	Giga-Ohms	20C

AS LEFT CONTACT RESISTANCE

A	33	Micro-Ohms
B	32	Micro-Ohms
C	33	Micro-Ohms

COMMENTS: secondary test sent dose not test inst on unit

DEFICIENCIES:



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 24 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 50 % ASSET ID 05173 MCCB

EQUIP ID 05173 WWP-02 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 2A / WWP-02 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 2A / WWP-02

MANUFACTURER: General Electric BRKR/FUSE RATING: 100 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36100 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 3

CONTROL FUSE: TR 2-1/2R FACTORY ORDER NO. _____ OVERLOADS: 123F658B CPT VA: 250

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	READY LAMP LENS MISSING	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/>
MEGGER TEST VOLTAGE	1	KVDC	<input checked="" type="checkbox"/>
EQUIPMENT TEMPERATURE	24	DEG C	<input checked="" type="checkbox"/>
20°C CORRECTION FACTOR	1.2		<input checked="" type="checkbox"/>

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE		
Terminal	Value	Unit	Terminal	Value	Unit	Terminal	Value	Unit	Terminal	Value	Unit
A-GROUND	3	Giga-Ohms	A-A'	2.9	Giga-Ohms	A-B'	2.3	Giga-Ohms	A		Reading
	3.6	Giga-Ohms		3.48	Giga-Ohms		2.76	Giga-Ohms		20C	
B-GROUND	3	Giga-Ohms	B-B'	3.1	Giga-Ohms	B-C'	2.1	Giga-Ohms	B		Reading
	3.6	Giga-Ohms		3.72	Giga-Ohms		2.52	Giga-Ohms		20C	
C-GROUND	2.9	Giga-Ohms	C-C'	3.3	Giga-Ohms	C-A'	2.2	Giga-Ohms	C		Reading
	3.48	Giga-Ohms		3.96	Giga-Ohms		2.64	Giga-Ohms		20C	

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY		
Terminal	Value	Unit	Terminal	Value	Unit	Terminal	Value	Unit
A-A'	1.8	Milli-Ohms	A-A'	0.568	Milli-Ohms	A-A'	5	Milli-Ohms
	1.7691	Milli-Ohms		0.55825	Milli-Ohms		4.9142	Milli-Ohms
B-B'	1.3	Milli-Ohms	B-B'	0.926	Milli-Ohms	B-B'	5	Milli-Ohms
	1.2777	Milli-Ohms		0.91011	Milli-Ohms		4.9142	Milli-Ohms
C-C'	2.8	Milli-Ohms	C-C'	0.568	Milli-Ohms	C-C'	6	Milli-Ohms
		Milli-Ohms		0.55825	Milli-Ohms		5.897	Milli-Ohms

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 50 % ASSET ID 05174 MCCB

EQUIP ID 05174 XFMR T1 Feed TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 2B / XFMR T1 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 2B / XFMR T1

MANUFACTURER: General Electric BRKR/FUSE RATING: 90 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136090 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	STATUS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

TEST POINT	BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY		Reading		
	Value	Unit	Value	Unit	Value	Unit			
A-GROUND	3.3	Giga-Ohms	A-A'	5.8	Giga-Ohms	A-B'	4.5	Giga-Ohms	Reading
	4.125	Giga-Ohms		7.25	Giga-Ohms		5.625	Giga-Ohms	20C
B-GROUND	3.1	Giga-Ohms	B-B'	4.6	Giga-Ohms	B-C'	3.6	Giga-Ohms	Reading
	3.875	Giga-Ohms		5.75	Giga-Ohms		4.5	Giga-Ohms	20C
C-GROUND	3.4	Giga-Ohms	C-C'	5.8	Giga-Ohms	C-A'	5.8	Giga-Ohms	Reading
	4.25	Giga-Ohms		7.25	Giga-Ohms		7.25	Giga-Ohms	20C

TEST POINT	FUSE RESISTANCE		Reading
	Value	Unit	
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

TEST POINT	BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY		Reading
	Value	Unit	Value	Unit	Value	Unit	
A-A'	1.1	Milli-Ohms	A-A'		A-A'		Reading
	1.0764	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C
B-B'	1.2	Milli-Ohms	B-B'		B-B'		Reading
	1.1743	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C
C-C'	1.2	Milli-Ohms	C-C'		C-C'		Reading
		Milli-Ohms		Milli-Ohms		Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID 05157 MCCB

EQUIP ID 05175 Spare Disc Cell 2C TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 2C / SPARE REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 2C / SPARE

MANUFACTURER: General Electric BRKR/FUSE RATING: 90 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136090 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: _____ FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	4.9	Giga-Ohms	A-A'	9.5	Giga-Ohms	A-B'	8.9	Giga-Ohms	Reading
	6.125	Giga-Ohms		11.875	Giga-Ohms		11.125	Giga-Ohms	20C
B-GROUND	4.1	Giga-Ohms	B-B'	7.4	Giga-Ohms	B-C'	6.2	Giga-Ohms	Reading
	5.125	Giga-Ohms		9.25	Giga-Ohms		7.75	Giga-Ohms	20C
C-GROUND	4.8	Giga-Ohms	C-C'	7.4	Giga-Ohms	C-A'	6.3	Giga-Ohms	Reading
	6	Giga-Ohms		9.25	Giga-Ohms		7.875	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	1	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	0.97855	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	1.1	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	1.0764	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	1.3	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 24 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID _____

EQUIP ID 05175 Spare Starter Cell 1B TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ CELL 1B / SPARE REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ CELL 1B / SPARE

MANUFACTURER: General Electric BRKR/FUSE RATING: 30 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36030 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 1

CONTROL FUSE: TR 1R FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: U/O

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	24	DEG C
20°C CORRECTION FACTOR	1.2	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE		
A-GROUND	3.7	Giga-Ohms	A-A'	7.4	Giga-Ohms	A-B'	3.6	Giga-Ohms	A		Reading
	4.44	Giga-Ohms		8.88	Giga-Ohms		4.32	Giga-Ohms		20C	Milli-Ohms
B-GROUND	3.5	Giga-Ohms	B-B'	5.7	Giga-Ohms	B-C'	3.6	Giga-Ohms	B		Reading
	4.2	Giga-Ohms		6.84	Giga-Ohms		4.32	Giga-Ohms		20C	Milli-Ohms
C-GROUND	4.2	Giga-Ohms	C-C'	7.5	Giga-Ohms	C-A'	4.4	Giga-Ohms	C		Reading
	5.04	Giga-Ohms		9	Giga-Ohms		5.28	Giga-Ohms		20C	Milli-Ohms

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	8.9	Milli-Ohms	A-A'	10,000	Milli-Ohms	A-A'	13,500	Milli-Ohms	Reading
	8.7473	Milli-Ohms		9,828.4	Milli-Ohms		13,268	Milli-Ohms	
B-B'	7.6	Milli-Ohms	B-B'	133	Milli-Ohms	B-B'	113	Milli-Ohms	Reading
	7.4696	Milli-Ohms		130.72	Milli-Ohms		111.06	Milli-Ohms	
C-C'	6.9	Milli-Ohms	C-C'	656	Milli-Ohms	C-C'	126	Milli-Ohms	Reading
		Milli-Ohms		644.74	Milli-Ohms		123.84	Milli-Ohms	

COMMENTS:

DEFICIENCIES: Starter contact resistance does not meet NETA specs.

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Keith Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 50 % ASSET ID 05177 MCCB

EQUIP ID 05177 WWP-03 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 2D / WWP-03 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 2D / WWP-03

MANUFACTURER: General Electric BRKR/FUSE RATING: 100 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36100 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 3

CONTROL FUSE: TR 2-1/2R FACTORY ORDER NO. _____ OVERLOADS: 123F658B CPT VA: 250

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	READY LENS MISSING	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED				BREAKER OPEN				COMPLETE ASSEMBLY				FUSE RESISTANCE			
A-GROUND	1.8	Giga-Ohms		A-A'	5	Giga-Ohms		A-B'	1.7	Giga-Ohms	Reading	A		Milli-Ohms	Reading
	2.25	Giga-Ohms			6.25	Giga-Ohms			2.125	Giga-Ohms	20C			Milli-Ohms	20C
B-GROUND	1.8	Giga-Ohms		B-B'	4.4	Giga-Ohms		B-C'	1.7	Giga-Ohms	Reading	B		Milli-Ohms	Reading
	2.25	Giga-Ohms			5.5	Giga-Ohms			2.125	Giga-Ohms	20C			Milli-Ohms	20C
C-GROUND	1.9	Giga-Ohms		C-C'	8.1	Giga-Ohms		C-A'	1.8	Giga-Ohms	Reading	C		Milli-Ohms	Reading
	2.375	Giga-Ohms			10.125	Giga-Ohms			2.25	Giga-Ohms	20C			Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	2.5	Milli-Ohms	A-A'	0.519	Milli-Ohms	A-A'	6	Milli-Ohms	Reading
	2.4464	Milli-Ohms		0.50787	Milli-Ohms		5.8713	Milli-Ohms	20C
B-B'	1.3	Milli-Ohms	B-B'	0.73	Milli-Ohms	B-B'	6.2	Milli-Ohms	Reading
	1.2721	Milli-Ohms		0.71434	Milli-Ohms		6.067	Milli-Ohms	20C
C-C'	2.8	Milli-Ohms	C-C'	0.553	Milli-Ohms	C-C'	5.9	Milli-Ohms	Reading
		Milli-Ohms		0.54114	Milli-Ohms		5.7734	Milli-Ohms	20C

COMMENTS: Phases B & C are swapped after starter.

DEFICIENCIES: _____

EQUIPMENT USED:	#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
	1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
	2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 24 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05178 MCCB

EQUIP ID 05178 Wet Well Cntrl Panel TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3A / WET WELL CONTROL REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3A / WET WELL CONTROL

MANUFACTURER: General Electric BRKR/FUSE RATING: 30 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: MR30 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: NON-3 FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: 300

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	24	DEG C	
20°C CORRECTION FACTOR	1.2		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	6.8	Giga-Ohms	A-A'	21.4	Giga-Ohms	A-B'	9.9	Giga-Ohms	Reading
	8.16	Giga-Ohms		25.68	Giga-Ohms		11.88	Giga-Ohms	20C
B-GROUND	6.1	Giga-Ohms	B-B'	15.4	Giga-Ohms	B-C'	9.7	Giga-Ohms	Reading
	7.32	Giga-Ohms		18.48	Giga-Ohms		11.64	Giga-Ohms	20C
C-GROUND	7.1	Giga-Ohms	C-C'	15.6	Giga-Ohms	C-A'	12.7	Giga-Ohms	Reading
	8.52	Giga-Ohms		18.72	Giga-Ohms		15.24	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	3.1	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	3.0468	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	1.1	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	1.0811	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	2.3	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID 05179 MCCB

EQUIP ID 05179 Ltg Pnl L Feed TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3B / LTG PNL L REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3B / LTG PNL L

MANUFACTURER: General Electric BRKR/FUSE RATING: 70 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136070 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/>
MEGGER TEST VOLTAGE	1	KVDC	<input checked="" type="checkbox"/>
EQUIPMENT TEMPERATURE	25	DEG C	<input checked="" type="checkbox"/>
20°C CORRECTION FACTOR	1.25		<input checked="" type="checkbox"/>

INSULATION RESISTANCE

TEST POINT	BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			Reading	
	Value	Unit	Value	Unit	Value	Unit			
A-GROUND	3.3	Giga-Ohms	A-A'	5.2	Giga-Ohms	A-B'	4.7	Giga-Ohms	20C
	4.125	Giga-Ohms		6.5	Giga-Ohms		5.875	Giga-Ohms	
B-GROUND	3.5	Giga-Ohms	B-B'	6	Giga-Ohms	B-C'	4.5	Giga-Ohms	20C
	4.375	Giga-Ohms		7.5	Giga-Ohms		5.625	Giga-Ohms	
C-GROUND	2.6	Giga-Ohms	C-C'	5.7	Giga-Ohms	C-A'	4.7	Giga-Ohms	20C
	3.25	Giga-Ohms		7.125	Giga-Ohms		5.875	Giga-Ohms	

TEST POINT	FUSE RESISTANCE		Reading
	Value	Unit	
A		Milli-Ohms	20C
		Milli-Ohms	
B		Milli-Ohms	20C
		Milli-Ohms	
C		Milli-Ohms	20C
		Milli-Ohms	

CONTACT RESISTANCE

TEST POINT	BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			Reading
	Value	Unit	Value	Unit	Value	Unit		
A-A'	2.6	Milli-Ohms	A-A'		A-A'		Milli-Ohms	20C
	2.5442	Milli-Ohms					Milli-Ohms	
B-B'	2.2	Milli-Ohms	B-B'		B-B'		Milli-Ohms	20C
	2.1528	Milli-Ohms					Milli-Ohms	
C-C'	2.3	Milli-Ohms	C-C'		C-C'		Milli-Ohms	20C
		Milli-Ohms					Milli-Ohms	

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID 05180 MCCB

EQUIP ID 05180 Boiler TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3C / BOILER REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3C / BOILER

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136020 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	4.1	Giga-Ohms	A-A'	5.4	Giga-Ohms	A-B'	5.7	Giga-Ohms	Reading
	5.125	Giga-Ohms		6.75	Giga-Ohms		7.125	Giga-Ohms	20C
B-GROUND	3.8	Giga-Ohms	B-B'	6	Giga-Ohms	B-C'	5	Giga-Ohms	Reading
	4.75	Giga-Ohms		7.5	Giga-Ohms		6.25	Giga-Ohms	20C
C-GROUND	3.7	Giga-Ohms	C-C'	6	Giga-Ohms	C-A'	5.3	Giga-Ohms	Reading
	4.625	Giga-Ohms		7.5	Giga-Ohms		6.625	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	6.8	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	6.6541	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	6.6	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	6.4584	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	6.8	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 22 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID 05181 MCCB

EQUIP ID 05181 Air Compressor TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: CELL 3D / AIR COMPRESSOR REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: CELL 3D / AIR COMPRESSOR

MANUFACTURER: General Electric BRKR/FUSE RATING: 35 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136035 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/>
MEGGER TEST VOLTAGE	1	KVDC	<input checked="" type="checkbox"/>
EQUIPMENT TEMPERATURE	22	DEG C	<input checked="" type="checkbox"/>
20°C CORRECTION FACTOR	1.1		<input checked="" type="checkbox"/>

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	1.6	Giga-Ohms	A-A'	3.2	Giga-Ohms	A-B'	3	Giga-Ohms	Reading
	1.76	Giga-Ohms		3.52	Giga-Ohms		3.3	Giga-Ohms	20C
B-GROUND	1.9	Giga-Ohms	B-B'	3.3	Giga-Ohms	B-C'	2.8	Giga-Ohms	Reading
	2.09	Giga-Ohms		3.63	Giga-Ohms		3.08	Giga-Ohms	20C
C-GROUND	1.7	Giga-Ohms	C-C'	2.9	Giga-Ohms	C-A'	2.3	Giga-Ohms	Reading
	1.87	Giga-Ohms		3.19	Giga-Ohms		2.53	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	4	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	3.9657	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	4.3	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	4.2631	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	4.2	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 23 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID 05182 MCCB

EQUIP ID 05182 OH Door TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3E / OH DOOR REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3E / OH DOOR

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136020 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	23	DEG C	
20°C CORRECTION FACTOR	1.15		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2.6	Giga-Ohms	A-A'	4.4	Giga-Ohms	A-B'	3.2	Giga-Ohms	Reading
	2.99	Giga-Ohms		5.06	Giga-Ohms		3.68	Giga-Ohms	20C
B-GROUND	2.6	Giga-Ohms	B-B'	4.8	Giga-Ohms	B-C'	3.2	Giga-Ohms	Reading
	2.99	Giga-Ohms		5.52	Giga-Ohms		3.68	Giga-Ohms	20C
C-GROUND	2.6	Giga-Ohms	C-C'	4.6	Giga-Ohms	C-A'	3.4	Giga-Ohms	Reading
	2.99	Giga-Ohms		5.29	Giga-Ohms		3.91	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	6.8	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	6.7125	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	6.9	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	6.8112	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	6.7	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 24 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 47 % ASSET ID 05183 MCCB

EQUIP ID 05183 Jib Hoist TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3F / JIB HOIST REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3F / JIB HOIST

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136020 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND	
A =	LIKE NEW CONDITION
B =	GOOD CONDITION
C =	POOR CONDITION NEED CORRECTION
D =	CORRECTIONS MADE
E =	UNACCEPTABLE CONDITION DO NOT USE
F =	DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	24	DEG C	
20°C CORRECTION FACTOR	1.2		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2.8	Giga-Ohms	A-A'	4.1	Giga-Ohms	A-B'	4.1	Giga-Ohms	Reading
	3.36	Giga-Ohms		4.92	Giga-Ohms		4.92	Giga-Ohms	20C
B-GROUND	3.2	Giga-Ohms	B-B'	4.5	Giga-Ohms	B-C'	4.1	Giga-Ohms	Reading
	3.84	Giga-Ohms		5.4	Giga-Ohms		4.92	Giga-Ohms	20C
C-GROUND	2.9	Giga-Ohms	C-C'	4.1	Giga-Ohms	C-A'	4.2	Giga-Ohms	Reading
	3.48	Giga-Ohms		4.92	Giga-Ohms		5.04	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	6	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	5.897	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	6.9	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	6.7816	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	7	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 24 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05184 MCCB

EQUIP ID 05184 Spare Disc Cell 3G TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3G / SPARE REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3G / SPARE

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEL136020 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: N/A

CONTROL FUSE: N/A FACTORY ORDER NO. _____ OVERLOADS: N/A CPT VA: N/A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	24	DEG C	
20°C CORRECTION FACTOR	1.2		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	4.9	Giga-Ohms	A-A'	6.6	Giga-Ohms	A-B'	4.8	Giga-Ohms	Reading
	5.88	Giga-Ohms		7.92	Giga-Ohms		5.76	Giga-Ohms	20C
B-GROUND	4.8	Giga-Ohms	B-B'	6.8	Giga-Ohms	B-C'	6.2	Giga-Ohms	Reading
	5.76	Giga-Ohms		8.16	Giga-Ohms		7.44	Giga-Ohms	20C
C-GROUND	4.8	Giga-Ohms	C-C'	6.3	Giga-Ohms	C-A'	6.3	Giga-Ohms	Reading
	5.76	Giga-Ohms		7.56	Giga-Ohms		7.56	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	9.3	Milli-Ohms	A-A'		Milli-Ohms	A-A'		Milli-Ohms	Reading
	9.1404	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
B-B'	7.1	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	6.9782	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	7	Milli-Ohms	C-C'		Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms			Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 33 % ASSET ID 05185

EQUIP ID 05185 Centrifuge CB-02 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 4A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 4A

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 600 STARTER SIZE: 2

CONTROL FUSE: 1-1/2 FACTORY ORDER NO. _____ OVERLOADS: C0303B CPT VA: 10 kA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B/F	
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	
MANUAL OPERATIONS	<input checked="" type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	B-C		A-A'		B-B'		C-C'		
A-GROUND	10.72	Giga-Ohms	A-A'	99.6	Giga-Ohms	B-B'	9.92	Giga-Ohms	Reading
	11.256	Giga-Ohms		104.58	Giga-Ohms		10.416	Giga-Ohms	20C
B-GROUND	9.14	Giga-Ohms	B-B'	53.8	Giga-Ohms	B-C'	9.34	Giga-Ohms	Reading
	9.597	Giga-Ohms		56.49	Giga-Ohms		9.807	Giga-Ohms	20C
C-GROUND	10.76	Giga-Ohms	C-C'	95.5	Giga-Ohms	C-A'	11.04	Giga-Ohms	Reading
	11.298	Giga-Ohms		100.275	Giga-Ohms		11.592	Giga-Ohms	20C

FUSE RESISTANCE

	0	Milli-Ohms	Reading
A		Milli-Ohms	20C
B	0	Milli-Ohms	Reading
		Milli-Ohms	20C
C	0	Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	B-C		A-A'		B-B'		C-C'		
A-A'	1.83	Milli-Ohms	A-A'	9.95	Milli-Ohms	A-A'	17.53	Milli-Ohms	Reading
	1.8221	Milli-Ohms		9.9073	Milli-Ohms		17.455	Milli-Ohms	20C
B-B'	4.49	Milli-Ohms	B-B'	14.66	Milli-Ohms	B-B'	26.4	Milli-Ohms	Reading
	4.4707	Milli-Ohms		14.597	Milli-Ohms		26.287	Milli-Ohms	20C
C-C'	2.32	Milli-Ohms	C-C'	70.4	Milli-Ohms	C-C'	76.3	Milli-Ohms	Reading
		Milli-Ohms		70.098	Milli-Ohms		75.973	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 33 % ASSET ID 05186 MCC

EQUIP ID 05186 Centrifuge CB-01 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 4B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 4B

MANUFACTURER: General Electric BRKR/FUSE RATING: 30 DATE MAN _____ MODEL/SERIES: _____

BRKR/FUSE MODEL: TEC36030 INSTRUCTION BOOK: _____ VOLTAGE RATING: 600 STARTER SIZE: 1

CONTROL FUSE: 2-1/2 FACTORY ORDER NO. _____ OVERLOADS: C137B CPT VA: 30A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	6.77	Giga-Ohms	A-A'	35.93	Giga-Ohms	A-B'	8.06	Giga-Ohms	Reading
	7.1085	Giga-Ohms		37.7265	Giga-Ohms		8.463	Giga-Ohms	20C
B-GROUND	6.28	Giga-Ohms	B-B'	28.57	Giga-Ohms	B-C'	8.09	Giga-Ohms	Reading
	6.594	Giga-Ohms		29.9985	Giga-Ohms		8.4945	Giga-Ohms	20C
C-GROUND	6.27	Giga-Ohms	C-C'	32.9	Giga-Ohms	C-A'	9.13	Giga-Ohms	Reading
	6.5835	Giga-Ohms		34.545	Giga-Ohms		9.5865	Giga-Ohms	20C

FUSE RESISTANCE

A	0	Milli-Ohms	Reading
		Milli-Ohms	20C
B	0	Milli-Ohms	Reading
		Milli-Ohms	20C
C	0	Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	4.13	Milli-Ohms	A-A'	4.14	Milli-Ohms	A-A'	27.61	Milli-Ohms	Reading
	4.1123	Milli-Ohms		4.1222	Milli-Ohms		27.492	Milli-Ohms	20C
B-B'	4.22	Milli-Ohms	B-B'	1.79	Milli-Ohms	B-B'	25.13	Milli-Ohms	Reading
	4.2019	Milli-Ohms		1.7823	Milli-Ohms		25.022	Milli-Ohms	20C
C-C'	4.42	Milli-Ohms	C-C'	2.59	Milli-Ohms	C-C'	27.03	Milli-Ohms	Reading
		Milli-Ohms		2.5789	Milli-Ohms		26.914	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

TESTED BY: JOE DEPERRO



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 33 % ASSET ID 05187 MCC

EQUIP ID 05187 H2O Pump HWP-01 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 4C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 4C

MANUFACTURER: General Electric BRKR/FUSE RATING: 7 A DATE MAN _____ MODEL/SERIES: 8000

BRKR/FUSE MODEL: TEC36007 INSTRUCTION BOOK: _____ VOLTAGE RATING: 600 STARTER SIZE: 1

CONTROL FUSE: 1A FACTORY ORDER NO. _____ OVERLOADS: C526A CPT VA: 10 kA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B/F	
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

INSULATION RESISTANCE

	BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY				
A-GROUND	27.88	Giga-Ohms	A-A'	43.2	Giga-Ohms	A-B'	19.85	Giga-Ohms	Reading
	29.274	Giga-Ohms		45.36	Giga-Ohms		20.8425	Giga-Ohms	20C
B-GROUND	15.91	Giga-Ohms	B-B'	63.9	Giga-Ohms	B-C'	10.2	Giga-Ohms	Reading
	16.7055	Giga-Ohms		67.095	Giga-Ohms		10.71	Giga-Ohms	20C
C-GROUND	12.17	Giga-Ohms	C-C'	75.1	Giga-Ohms	C-A'	22.8	Giga-Ohms	Reading
	12.7785	Giga-Ohms		78.855	Giga-Ohms		23.94	Giga-Ohms	20C

FUSE RESISTANCE

A	0	Milli-Ohms	Reading
		Milli-Ohms	20C
B	0	Milli-Ohms	Reading
		Milli-Ohms	20C
C	0	Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

	BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY				
A-A'	50.7	Milli-Ohms	A-A'	492.7	Milli-Ohms	A-A'	1,031.7	Milli-Ohms	Reading
	50.482	Milli-Ohms		490.59	Milli-Ohms		1,027.3	Milli-Ohms	20C
B-B'	50.4	Milli-Ohms	B-B'	12.27	Milli-Ohms	B-B'	166	Milli-Ohms	Reading
	50.184	Milli-Ohms		12.217	Milli-Ohms		165.29	Milli-Ohms	20C
C-C'	58.8	Milli-Ohms	C-C'	4,210	Milli-Ohms	C-C'	4,925	Milli-Ohms	Reading
		Milli-Ohms		4,191.9	Milli-Ohms		4,903.9	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

contact resistance is out of net specs.

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 21 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 33 % ASSET ID 05188 MCC

EQUIP ID 05188 H2O Pump HWP-02 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 4D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 4D

MANUFACTURER: Cutler-Hammer BRKR/FUSE RATING: 7A DATE MAN _____ MODEL/SERIES: 8000

BRKR/FUSE MODEL: MAG-BREAK INSTRUCTION BOOK: _____ VOLTAGE RATING: 600 STARTER SIZE: 1

CONTROL FUSE: 1A FACTORY ORDER NO. _____ OVERLOADS: C526A CPT VA: 10kA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B/F	
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	

CONDITION LEGEND	
A	= LIKE NEW CONDITION
B	= GOOD CONDITION
C	= POOR CONDITION NEED CORRECTION
D	= CORRECTIONS MADE
E	= UNACCEPTABLE CONDITION DO NOT USE
F	= DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	500	VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	21	DEG C	
20°C CORRECTION FACTOR	1.05		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	12.21	Giga-Ohms	A-A'	89.5	Giga-Ohms	A-B'	20.48	Giga-Ohms	Reading
	12.8205	Giga-Ohms		93.975	Giga-Ohms		21.504	Giga-Ohms	20C
B-GROUND	12.69	Giga-Ohms	B-B'	54.5	Giga-Ohms	B-C'	17.13	Giga-Ohms	Reading
	13.3245	Giga-Ohms		57.225	Giga-Ohms		17.9865	Giga-Ohms	20C
C-GROUND	15.09	Giga-Ohms	C-C'	58.9	Giga-Ohms	C-A'	24.51	Giga-Ohms	Reading
	15.8445	Giga-Ohms		61.845	Giga-Ohms		25.7355	Giga-Ohms	20C

FUSE RESISTANCE

A	0	Milli-Ohms	Reading
		Milli-Ohms	20C
B	0	Milli-Ohms	Reading
		Milli-Ohms	20C
C	0	Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	51.94	Milli-Ohms	A-A'	7.303	Milli-Ohms	A-A'	140.4	Milli-Ohms	Reading
	51.717	Milli-Ohms		7.2717	Milli-Ohms		139.8	Milli-Ohms	20C
B-B'	48.91	Milli-Ohms	B-B'	15.46	Milli-Ohms	B-B'	151.87	Milli-Ohms	Reading
	48.7	Milli-Ohms		15.394	Milli-Ohms		151.22	Milli-Ohms	20C
C-C'	54.53	Milli-Ohms	C-C'	1.732	Milli-Ohms	C-C'	138.92	Milli-Ohms	Reading
		Milli-Ohms		1.7246	Milli-Ohms		138.32	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 42 % ASSET ID 05189 MCCB

EQUIP ID 05189 Wash Booster P1 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 4E / WASH BOOSTER P1 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 4E / WASH BOOSTER P1

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 2

CONTROL FUSE: TR 1-6/18R FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: U/O

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/>
MEGGER TEST VOLTAGE	1	KVDC	<input checked="" type="checkbox"/>
EQUIPMENT TEMPERATURE	25	DEG C	<input checked="" type="checkbox"/>
20°C CORRECTION FACTOR	1.25		<input checked="" type="checkbox"/>

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY		
Phase	Value	Unit	Phase	Value	Unit	Phase	Value	Unit
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	1.4	Giga-Ohms
	2.5	Giga-Ohms		2.5	Giga-Ohms		1.75	Giga-Ohms
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	1.5	Giga-Ohms
	2.5	Giga-Ohms		2.5	Giga-Ohms		1.875	Giga-Ohms
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	1.7	Giga-Ohms
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.125	Giga-Ohms

Phase	Value	Unit	Reading
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY		
Phase	Value	Unit	Phase	Value	Unit	Phase	Value	Unit
A-A'	5	Milli-Ohms	A-A'	1.5	Milli-Ohms	A-A'	6	Milli-Ohms
	4.8928	Milli-Ohms		1.4678	Milli-Ohms		5.8713	Milli-Ohms
B-B'	3.5	Milli-Ohms	B-B'	1.4	Milli-Ohms	B-B'	4.6	Milli-Ohms
	3.4249	Milli-Ohms		1.37	Milli-Ohms		4.5013	Milli-Ohms
C-C'	9.89	Milli-Ohms	C-C'	1.4	Milli-Ohms	C-C'	6.8	Milli-Ohms
		Milli-Ohms		1.37	Milli-Ohms		6.6541	Milli-Ohms

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 22 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05190 MCCB

EQUIP ID 05190 PRV-01 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 5A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 5A

MANUFACTURER: General Electric BRKR/FUSE RATING: 7 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36007 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR 14 FACTORY ORDER NO. NA OVERLOADS: C466A CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	22	DEG C
20°C CORRECTION FACTOR	1.1	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE			
A-GROUND	1.8	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	A		Milli-Ohms	Reading
	1.98	Giga-Ohms		2.2	Giga-Ohms		2.2	Giga-Ohms		20C		Milli-Ohms
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	B		Milli-Ohms	Reading
	2.2	Giga-Ohms		2.2	Giga-Ohms		2.2	Giga-Ohms		20C		Milli-Ohms
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	C		Milli-Ohms	Reading
	2.2	Giga-Ohms		2.2	Giga-Ohms		2.2	Giga-Ohms		20C		Milli-Ohms

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	52	Milli-Ohms	A-A'	6	Milli-Ohms	A-A'	60	Milli-Ohms	Reading
	51.554	Milli-Ohms		5.9485	Milli-Ohms		59.485	Milli-Ohms	20C
B-B'	52	Milli-Ohms	B-B'	17	Milli-Ohms	B-B'	143	Milli-Ohms	Reading
	51.554	Milli-Ohms		16.854	Milli-Ohms		141.77	Milli-Ohms	20C
C-C'	54	Milli-Ohms	C-C'	2	Milli-Ohms	C-C'	56	Milli-Ohms	Reading
		Milli-Ohms		1.9828	Milli-Ohms		55.52	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 48 % ASSET ID 05191 MCCB

EQUIP ID 05191 AHU-1 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 5B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 5B

MANUFACTURER: General Electric BRKR/FUSE RATING: 30 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36030 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR2-1/2R FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: N A

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	1.85	Giga-Ohms	A-A'		Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.3125	Giga-Ohms			Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'		Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms			Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'		Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms			Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A		Reading
		20C
B		Reading
		20C
C		Reading
		20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	20	Milli-Ohms	A-A'	2.5	Milli-Ohms	A-A'	38	Milli-Ohms	Reading
	19.571	Milli-Ohms		2.4464	Milli-Ohms		37.185	Milli-Ohms	20C
B-B'	20	Milli-Ohms	B-B'	7.6	Milli-Ohms	B-B'	38	Milli-Ohms	Reading
	19.571	Milli-Ohms		7.437	Milli-Ohms		37.185	Milli-Ohms	20C
C-C'	9	Milli-Ohms	C-C'	7.7	Milli-Ohms	C-C'	22	Milli-Ohms	Reading
		Milli-Ohms		7.5348	Milli-Ohms		21.528	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 48 % ASSET ID 05192 MCCB

EQUIP ID 05192 Sump Pump 1 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 5C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 5C

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	A		Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms		20C		Milli-Ohms
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	B		Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms		20C		Milli-Ohms
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	C		Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms		20C		Milli-Ohms

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	320	Milli-Ohms	A-A'	35	Milli-Ohms	A-A'	343	Milli-Ohms	Reading
	313.14	Milli-Ohms		34.249	Milli-Ohms		335.64	Milli-Ohms	20C
B-B'	302	Milli-Ohms	B-B'	11	Milli-Ohms	B-B'	312	Milli-Ohms	Reading
	295.52	Milli-Ohms		10.764	Milli-Ohms		305.31	Milli-Ohms	20C
C-C'	393	Milli-Ohms	C-C'	100	Milli-Ohms	C-C'	485	Milli-Ohms	Reading
		Milli-Ohms		97.855	Milli-Ohms		474.6	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: STARTER CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 48 % ASSET ID 05193 MCCB

EQUIP ID 05193 Sump Pump 2 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 5D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 5D

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE		
A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	324	Milli-Ohms	A-A'	2.45	Milli-Ohms	A-A'	325	Milli-Ohms	Reading
	317.05	Milli-Ohms		2.3974	Milli-Ohms		318.03	Milli-Ohms	20C
B-B'	314	Milli-Ohms	B-B'	15.8	Milli-Ohms	B-B'	329	Milli-Ohms	Reading
	307.26	Milli-Ohms		15.461	Milli-Ohms		321.94	Milli-Ohms	20C
C-C'	306	Milli-Ohms	C-C'	11	Milli-Ohms	C-C'	320	Milli-Ohms	Reading
		Milli-Ohms		10.764	Milli-Ohms		313.14	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: STARTER CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05194 MCCB

EQUIP ID 05194 PRV-02 TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 5E REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 5E

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR2-1/2R FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

FUSE RESISTANCE

	2	Giga-Ohms	A-A'		Giga-Ohms	A-B'	2	Giga-Ohms	Reading
A-GROUND	2.5	Giga-Ohms			Giga-Ohms	2.5	Giga-Ohms	20C	
B-GROUND	2.5	Giga-Ohms	B-B'		Giga-Ohms	2.5	Giga-Ohms	20C	
C-GROUND	2.5	Giga-Ohms	C-C'		Giga-Ohms	2.5	Giga-Ohms	20C	

	Milli-Ohms	Reading
A	Milli-Ohms	20C
B	Milli-Ohms	20C
C	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	309	Milli-Ohms	A-A'	72	Milli-Ohms	A-A'	368	Milli-Ohms	Reading
A-A'	302.37	Milli-Ohms		70.456	Milli-Ohms		360.11	Milli-Ohms	20C
B-B'	296.5	Milli-Ohms	B-B'	2.9356	Milli-Ohms	B-B'	299.44	Milli-Ohms	20C
C-C'	303	Milli-Ohms	C-C'	15.657	Milli-Ohms	C-C'	311.18	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05195 MCCB

EQUIP ID 05195 PRV-03 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 5F REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 5F

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR2-12R FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	1.72	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.15	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	299	Milli-Ohms	A-A'	13	Milli-Ohms	A-A'	312	Milli-Ohms	Reading
	292.59	Milli-Ohms		12.721	Milli-Ohms		305.31	Milli-Ohms	20C
B-B'	300	Milli-Ohms	B-B'	5	Milli-Ohms	B-B'	304	Milli-Ohms	Reading
	293.57	Milli-Ohms		4.8928	Milli-Ohms		297.48	Milli-Ohms	20C
C-C'	300	Milli-Ohms	C-C'	51	Milli-Ohms	C-C'	344	Milli-Ohms	Reading
		Milli-Ohms		49.906	Milli-Ohms		336.62	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05197 MCCB

EQUIP ID 05197 Plug Valve PV-14 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 6B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 6B

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: FDR INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05198 MCCB

EQUIP ID 05198 Sluice Gate SG-01 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6C

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: FDR INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05199 MCCB

EQUIP ID 05199 Sluice Gate SG-02 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6D

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: FDR INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	8.45	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		8.2687	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.3606	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05200 MCCB

EQUIP ID 05200 Water Pressure System TEST STATUS Fail

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 6E REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 6E

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: FDR INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY	
A-GROUND	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'
	Giga-Ohms		2.5	Giga-Ohms	
B-GROUND	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'
	Giga-Ohms		2.5	Giga-Ohms	
C-GROUND	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'
	Giga-Ohms		2.5	Giga-Ohms	

FUSE RESISTANCE		
A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY	
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms
	Milli-Ohms		Milli-Ohms		Milli-Ohms
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms
	Milli-Ohms		Milli-Ohms		Milli-Ohms
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms
	Milli-Ohms		Milli-Ohms		Milli-Ohms

COMMENTS: CAN NOT CLOSE BREAKER TO COMPLETE FULL P.M TESTING . BREAKER WAS FOUND OFF. ASSUMING ITS BECAUSE IT DOES NOT WORK .

DEFICIENCIES: _____

EQUIPMENT USED:	#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
	1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
	2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/17/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 44 % ASSET ID 05203 MCCB

EQUIP ID 05203 Wash Booster P2 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6G REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6G

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: FDR INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: FRN-R-2 FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	SEE COMMETS	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	14	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		13.7	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		5.8713	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C

COMMENTS:

MISSING PILOT LIGHT LENSE .

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05203 MCCB

EQUIP ID 05203 Wash Down P-2 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: CELL 6 8 / WASH DOWN BOOSTER PUMP REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: CELL 6 8 / WASH DOWN BOOSTER PUMP

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TECL36050 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 2

CONTROL FUSE: TR1-6/10R FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE				
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	1.6	Giga-Ohms	Reading	A		Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2	Giga-Ohms	20C			Milli-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	1.33	Giga-Ohms	Reading	B		Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		1.6625	Giga-Ohms	20C			Milli-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	1.8	Giga-Ohms	Reading	C		Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.25	Giga-Ohms	20C			Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	4.7	Milli-Ohms	A-A'	1	Milli-Ohms	A-A'	6	Milli-Ohms	Reading
	4.5992	Milli-Ohms		0.97855	Milli-Ohms		5.8713	Milli-Ohms	20C
B-B'	3.5	Milli-Ohms	B-B'	1.5	Milli-Ohms	B-B'	5	Milli-Ohms	Reading
	3.4249	Milli-Ohms		1.4678	Milli-Ohms		4.8928	Milli-Ohms	20C
C-C'	4.6	Milli-Ohms	C-C'	2	Milli-Ohms	C-C'	6	Milli-Ohms	Reading
		Milli-Ohms		1.9571	Milli-Ohms		5.8713	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Ryan Orjada



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05204 MCCB

EQUIP ID 05204 Chem Pump Control TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7A

MANUFACTURER: General Electric BRKR/FUSE RATING: 1.6 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: SPCL INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: TR1-6/10R FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading
A-GROUND	2.5	Giga-Ohms	A-A'	2.5	Giga-Ohms	A-B'	2.5	Giga-Ohms	20C
	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading
B-GROUND	2.5	Giga-Ohms	B-B'	2.5	Giga-Ohms	B-C'	2.5	Giga-Ohms	20C
	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading
C-GROUND	2.5	Giga-Ohms	C-C'	2.5	Giga-Ohms	C-A'	2.5	Giga-Ohms	20C
	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading

FUSE RESISTANCE

	Milli-Ohms	Reading
A	Milli-Ohms	20C
	Milli-Ohms	Reading
B	Milli-Ohms	20C
	Milli-Ohms	Reading
C	Milli-Ohms	20C
	Milli-Ohms	Reading

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	Milli-Ohms		Milli-Ohms		2.5	Milli-Ohms	Reading
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	2.4464	Milli-Ohms	20C
	Milli-Ohms		Milli-Ohms		Milli-Ohms	Reading	
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	Milli-Ohms	20C
	Milli-Ohms		Milli-Ohms		Milli-Ohms	Reading	
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	4.5	Milli-Ohms	Reading
	Milli-Ohms		Milli-Ohms		4.4035	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05205 MCCB

EQUIP ID 05205 PRV-04 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 7B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 7B

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TECL36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR2-1/2R FACTORY ORDER NO. NA OVERLOADS: C184A CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading	A	Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C		Milli-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading	B	Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C		Milli-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading	C	Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	320	Milli-Ohms	A-A'	5	Milli-Ohms	A-A'	322	Milli-Ohms	Reading
	313.14	Milli-Ohms		4.8928	Milli-Ohms		315.09	Milli-Ohms	20C
B-B'	306	Milli-Ohms	B-B'	16	Milli-Ohms	B-B'	323	Milli-Ohms	Reading
	299.44	Milli-Ohms		15.657	Milli-Ohms		316.07	Milli-Ohms	20C
C-C'	439	Milli-Ohms	C-C'	65	Milli-Ohms	C-C'	492	Milli-Ohms	Reading
		Milli-Ohms		63.606	Milli-Ohms		481.45	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: STARTER CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05206 MCCB

EQUIP ID 05206 Plug Valve PV-10 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7C

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: FDR INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.8499	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. °F JOB # 719706

SUBSTATION MCC-1 HUMIDITY _____ % ASSET ID _____

EQUIP ID 05207 Chem Pump CWP-02 TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7D

MANUFACTURER: _____ BRKR/FUSE RATING: _____ DATE MAN _____ MODEL/SERIES: _____

BRKR/FUSE MODEL: _____ INSTRUCTION BOOK: _____ VOLTAGE RATING: _____ STARTER SIZE: _____

CONTROL FUSE: _____ FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: _____

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MANUAL OPERATIONS	<input type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input type="checkbox"/>		
FINGER CLUSTERS	<input type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	KVDC	
EQUIPMENT TEMPERATURE	DEG C	
20°C CORRECTION FACTOR		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			
A-GROUND	Giga-Ohms	A-A'	Giga-Ohms	A-B'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
B-GROUND	Giga-Ohms	B-B'	Giga-Ohms	B-C'	Giga-Ohms	20C	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
C-GROUND	Giga-Ohms	C-C'	Giga-Ohms	C-A'	Giga-Ohms	20C	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	

FUSE RESISTANCE		
A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	20C	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms	20C	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	

COMMENTS:

DEFICIENCIES:

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05208 MCCB

EQUIP ID 05208 Chem Pump CWP-01 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7E REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7E

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TECL36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR1R FACTORY ORDER NO. NA OVERLOADS: C118A CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	25	DEG C
20°C CORRECTION FACTOR	1.25	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading	A	Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C		Milli-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading	B	Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C		Milli-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading	C	Milli-Ohms	Reading
	2.5	Giga-Ohms		2.5	Giga-Ohms		2.5	Giga-Ohms	20C		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	315	Milli-Ohms	A-A'	142	Milli-Ohms	A-A'	1	Ohms	Reading
	308.24	Milli-Ohms		138.95	Milli-Ohms		0.97855	Ohms	20C
B-B'	303	Milli-Ohms	B-B'	2	Milli-Ohms	B-B'	307	Milli-Ohms	Reading
	296.5	Milli-Ohms		1.9571	Milli-Ohms		300.41	Milli-Ohms	20C
C-C'	303	Milli-Ohms	C-C'	3	Milli-Ohms	C-C'	306	Milli-Ohms	Reading
		Milli-Ohms		2.9356	Milli-Ohms		299.44	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05210 MCCB

EQUIP ID 05210 Chem Pump CWP-02 Metering TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7F REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7F

MANUFACTURER: General Electric BRKR/FUSE RATING: 3 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TECL36003 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 1

CONTROL FUSE: TR1R FACTORY ORDER NO. NA OVERLOADS: C118A CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/>
MEGGER TEST VOLTAGE	1	KVDC	<input checked="" type="checkbox"/>
EQUIPMENT TEMPERATURE	25	DEG C	<input checked="" type="checkbox"/>
20°C CORRECTION FACTOR	1.25		<input checked="" type="checkbox"/>

INSULATION RESISTANCE

BREAKER CLOSED				BREAKER OPEN				COMPLETE ASSEMBLY				FUSE RESISTANCE			
Phase	Reading	Unit	Notes	Phase	Reading	Unit	Notes	Phase	Reading	Unit	Notes	Phase	Reading	Unit	
A-GROUND	2	Giga-Ohms		A-A'	2	Giga-Ohms		A-B'	2	Giga-Ohms	Reading	A		Milli-Ohms	Reading
	2.5	Giga-Ohms			2.5	Giga-Ohms			2.5	Giga-Ohms	20C			Milli-Ohms	20C
B-GROUND	2	Giga-Ohms		B-B'	2	Giga-Ohms		B-C'	2	Giga-Ohms	Reading	B		Milli-Ohms	Reading
	2.5	Giga-Ohms			2.5	Giga-Ohms			2.5	Giga-Ohms	20C			Milli-Ohms	20C
C-GROUND	2	Giga-Ohms		C-C'	2	Giga-Ohms		C-A'	2	Giga-Ohms	Reading	C		Milli-Ohms	Reading
	2.5	Giga-Ohms			2.5	Giga-Ohms			2.5	Giga-Ohms	20C			Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY		
Phase	Reading	Unit	Phase	Reading	Unit	Phase	Reading	Unit
A-A'	385	Milli-Ohms	A-A'	3	Milli-Ohms	A-A'	371	Milli-Ohms
	376.74	Milli-Ohms		2.9356	Milli-Ohms		363.04	Milli-Ohms
B-B'	389	Milli-Ohms	B-B'	2	Milli-Ohms	B-B'	373	Milli-Ohms
	380.66	Milli-Ohms		1.9571	Milli-Ohms		365	Milli-Ohms
C-C'	315	Milli-Ohms	C-C'	30	Milli-Ohms	C-C'	370	Milli-Ohms
		Milli-Ohms		29.357	Milli-Ohms		362.06	Milli-Ohms

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/18/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 45 % ASSET ID 05211 MCCB

EQUIP ID 05211 WWP-05 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 8A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 8A

MANUFACTURER: General Electric BRKR/FUSE RATING: 100 A DATE MAN NA MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TECL36100 INSTRUCTION BOOK: NA VOLTAGE RATING: 480 V STARTER SIZE: 3

CONTROL FUSE: TR2-1/2R FACTORY ORDER NO. NA OVERLOADS: 123F655B CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading
A-GROUND	2.5	Giga-Ohms	A-A'	2.5	Giga-Ohms	A-B'	2.5	Giga-Ohms	20C
	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading
B-GROUND	2.5	Giga-Ohms	B-B'	2.5	Giga-Ohms	B-C'	2.5	Giga-Ohms	20C
	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading
C-GROUND	2.5	Giga-Ohms	C-C'	2.5	Giga-Ohms	C-A'	2.5	Giga-Ohms	20C
	2	Giga-Ohms		2	Giga-Ohms		2	Giga-Ohms	Reading

FUSE RESISTANCE

		Milli-Ohms	Reading
A		Milli-Ohms	20C
		Milli-Ohms	20C
B		Milli-Ohms	20C
		Milli-Ohms	20C
C		Milli-Ohms	20C
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	2	Milli-Ohms		2.8	Milli-Ohms		5.6	Milli-Ohms	Reading
A-A'	1.9571	Milli-Ohms	A-A'	2.7399	Milli-Ohms	A-A'	5.4799	Milli-Ohms	20C
	1.6	Milli-Ohms		2.7	Milli-Ohms		5.1	Milli-Ohms	Reading
B-B'	1.5657	Milli-Ohms	B-B'	2.6421	Milli-Ohms	B-B'	4.9906	Milli-Ohms	20C
	6.3	Milli-Ohms		3.2	Milli-Ohms		10	Milli-Ohms	Reading
C-C'		Milli-Ohms	C-C'	3.1314	Milli-Ohms	C-C'	9.7855	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 25 °C JOB # 719706

SUBSTATION MCC-1 HUMIDITY 40 % ASSET ID 05212

EQUIP ID 05212 WWP-06 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 8C / WWP-06 REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 8C / WWP-06

MANUFACTURER: General Electric BRKR/FUSE RATING: 100 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC360100 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 3

CONTROL FUSE: NON-3 FACTORY ORDER NO. _____ OVERLOADS: 123F658B CPT VA: 250

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	25	DEG C	
20°C CORRECTION FACTOR	1.25		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE			
A-GROUND	2.6	Giga-Ohms	A-A'	11.9	Giga-Ohms	A-B'	2.9	Giga-Ohms	Reading	A		Reading
	3.25	Giga-Ohms		14.875	Giga-Ohms		3.625	Giga-Ohms	20C		Milli-Ohms	20C
B-GROUND	0.7	Giga-Ohms	B-B'	4.23	Giga-Ohms	B-C'	2.8	Giga-Ohms	Reading	B		Reading
	0.875	Giga-Ohms		5.2875	Giga-Ohms		3.5	Giga-Ohms	20C		Milli-Ohms	20C
C-GROUND	2.8	Giga-Ohms	C-C'	12.36	Giga-Ohms	C-A'	3.9	Giga-Ohms	Reading	C		Reading
	3.5	Giga-Ohms		15.45	Giga-Ohms		4.875	Giga-Ohms	20C		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	13	Milli-Ohms	A-A'	1.3	Milli-Ohms	A-A'	16.8	Milli-Ohms	Reading
	12.721	Milli-Ohms		1.2721	Milli-Ohms		16.44	Milli-Ohms	20C
B-B'	1.8	Milli-Ohms	B-B'	1.1	Milli-Ohms	B-B'	5.5	Milli-Ohms	Reading
	1.7614	Milli-Ohms		1.0764	Milli-Ohms		5.382	Milli-Ohms	20C
C-C'	2.3	Milli-Ohms	C-C'	1.2	Milli-Ohms	C-C'	5.9	Milli-Ohms	Reading
		Milli-Ohms		1.1743	Milli-Ohms		5.7734	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K GREENE



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. °F JOB # 719706

SUBSTATION MCC-1 HUMIDITY _____ % ASSET ID _____

EQUIP ID XXXXX Chem Pump 1 TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6A

MANUFACTURER: _____ BRKR/FUSE RATING: _____ DATE MAN _____ MODEL/SERIES: _____

BRKR/FUSE MODEL: _____ INSTRUCTION BOOK: _____ VOLTAGE RATING: _____ STARTER SIZE: _____

CONTROL FUSE: _____ FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: _____

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MANUAL OPERATIONS	<input type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input type="checkbox"/>		
FINGER CLUSTERS	<input type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	KVDC	
EQUIPMENT TEMPERATURE	DEG C	
20°C CORRECTION FACTOR		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			
A-GROUND	Giga-Ohms	A-A'	Giga-Ohms	A-B'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
B-GROUND	Giga-Ohms	B-B'	Giga-Ohms	B-C'	Giga-Ohms	20C	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
C-GROUND	Giga-Ohms	C-C'	Giga-Ohms	C-A'	Giga-Ohms	20C	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	

FUSE RESISTANCE		
A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	20C	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms	20C	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	

COMMENTS: _____

DEFICIENCIES: _____

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. °F JOB # 719706

SUBSTATION MCC-1 HUMIDITY _____ % ASSET ID _____

EQUIP ID XXXXX Sump Pump Cntl Panel TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6F REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6F

MANUFACTURER: _____ BRKR/FUSE RATING: _____ DATE MAN _____ MODEL/SERIES: _____

BRKR/FUSE MODEL: _____ INSTRUCTION BOOK: _____ VOLTAGE RATING: _____ STARTER SIZE: _____

CONTROL FUSE: _____ FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: _____

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MANUAL OPERATIONS	<input type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input type="checkbox"/>		
FINGER CLUSTERS	<input type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	KVDC	
EQUIPMENT TEMPERATURE	DEG C	
20°C CORRECTION FACTOR		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			
A-GROUND	Giga-Ohms	A-A'	Giga-Ohms	A-B'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
B-GROUND	Giga-Ohms	B-B'	Giga-Ohms	B-C'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
C-GROUND	Giga-Ohms	C-C'	Giga-Ohms	C-A'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	

FUSE RESISTANCE

A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	

COMMENTS:

DEFICIENCIES:

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05140 MCCB

EQUIP ID 05140 OCF DAMPER CONTROL TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: CELL 2A / OCF DAMPER CONTROL REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: CELL 2A / OCF DAMPER CONTROL

MANUFACTURER: General Electric BRKR/FUSE RATING: 30 / 3 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: _____

CONTROL FUSE: TR 3 2/10 FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: 0.3 KVA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X1

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	28	DEG C	
20°C CORRECTION FACTOR	1.448		

INSULATION RESISTANCE

TEST	BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY		Reading
	Value	Unit	Value	Unit	Value	Unit	
A-GROUND	1.14	Giga-Ohms	1.67	Giga-Ohms	0.319	Giga-Ohms	20C
	1.65072	Giga-Ohms	2.41816	Giga-Ohms	0.461912	Giga-Ohms	
B-GROUND	0.9	Giga-Ohms	1.43	Giga-Ohms	0.376	Giga-Ohms	20C
	1.3032	Giga-Ohms	2.07064	Giga-Ohms	0.544448	Giga-Ohms	
C-GROUND	1	Giga-Ohms	1.75	Giga-Ohms	0.631	Giga-Ohms	20C
	1.448	Giga-Ohms	2.534	Giga-Ohms	0.913688	Giga-Ohms	

FUSE RESISTANCE

TEST	Value	Unit	Reading
A	136	Milli-Ohms	20C
	131.33	Milli-Ohms	
B	130	Milli-Ohms	20C
	125.54	Milli-Ohms	
C	122	Milli-Ohms	20C
	117.81	Milli-Ohms	

CONTACT RESISTANCE

TEST	BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY		Reading
	Value	Unit	Value	Unit	Value	Unit	
A-A'	1.2	Milli-Ohms		Milli-Ohms	137	Milli-Ohms	20C
	1.1588	Milli-Ohms		Milli-Ohms	132.3	Milli-Ohms	
B-B'	1.1	Milli-Ohms		Milli-Ohms	130	Milli-Ohms	20C
	1.0622	Milli-Ohms		Milli-Ohms	125.54	Milli-Ohms	
C-C'	1.3	Milli-Ohms		Milli-Ohms	123	Milli-Ohms	20C
		Milli-Ohms		Milli-Ohms	118.78	Milli-Ohms	

COMMENTS:

Not a starter, breaker feeds control transformer that controls damper with 120 volts thru a relay.

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Keith Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 30 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 52 % ASSET ID 05141 MCCB

EQUIP ID 05141 OFC-01 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 2B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 2B

MANUFACTURER: General Electric BRKR/FUSE RATING: 100 DATE MAN _____ MODEL/SERIES: 8000LINE

BRKR/FUSE MODEL: _____ INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 3

CONTROL FUSE: ATMR 2 FACTORY ORDER NO. _____ OVERLOADS: 123F658B CPT VA: 300

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	RESET BUTTON BROKEN	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE		KVDC	
EQUIPMENT TEMPERATURE	30	DEG C	
20°C CORRECTION FACTOR	1.58		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	0.709	Giga-Ohms	A-A'	3.2	Giga-Ohms	A-B'	0.929	Giga-Ohms	Reading
	1.12022	Giga-Ohms		5.056	Giga-Ohms		1.46782	Giga-Ohms	20C
B-GROUND	0.879	Giga-Ohms	B-B'	3.9	Giga-Ohms	B-C'	0.731	Giga-Ohms	Reading
	1.38882	Giga-Ohms		6.162	Giga-Ohms		1.15498	Giga-Ohms	20C
C-GROUND	1	Giga-Ohms	C-C'	4.3	Giga-Ohms	C-A'	0.751	Giga-Ohms	Reading
	1.58	Giga-Ohms		6.794	Giga-Ohms		1.18658	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	6.3	Milli-Ohms	A-A'	4	Milli-Ohms	A-A'	8	Milli-Ohms	Reading
	6.0297	Milli-Ohms		3.8284	Milli-Ohms		7.6568	Milli-Ohms	20C
B-B'	3.6	Milli-Ohms	B-B'	3.4	Milli-Ohms	B-B'	6.2	Milli-Ohms	Reading
	3.4456	Milli-Ohms		3.2541	Milli-Ohms		5.934	Milli-Ohms	20C
C-C'	3	Milli-Ohms	C-C'	1.8	Milli-Ohms	C-C'	4.5	Milli-Ohms	Reading
		Milli-Ohms		1.7228	Milli-Ohms		4.3069	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 34 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 40 % ASSET ID 05142 MCCB

EQUIP ID 05142 OFC-2 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 2C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 2C

MANUFACTURER: General Electric BRKR/FUSE RATING: 100 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36100 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 3

CONTROL FUSE: KTK-R-2 FACTORY ORDER NO. _____ OVERLOADS: 123F658B CPT VA: 300

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	34	DEG C	
20°C CORRECTION FACTOR	1.916		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY					
A-GROUND	0.929	Giga-Ohms	A-A'	7.79	Giga-Ohms	A-B'	0.534	Giga-Ohms	Reading
	1.779964	Giga-Ohms		14.92564	Giga-Ohms		1.023144	Giga-Ohms	20C
B-GROUND	0.859	Giga-Ohms	B-B'	6.8	Giga-Ohms	B-C'	0.434	Giga-Ohms	Reading
	1.645844	Giga-Ohms		13.0288	Giga-Ohms		0.831544	Giga-Ohms	20C
C-GROUND	0.86	Giga-Ohms	C-C'	4.75	Giga-Ohms	C-A'	0.538	Giga-Ohms	Reading
	1.64776	Giga-Ohms		9.101	Giga-Ohms		1.030808	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY					
A-A'	5.5	Milli-Ohms	A-A'	1.2	Milli-Ohms	A-A'	8.8	Milli-Ohms	Reading
	5.1697	Milli-Ohms		1.1279	Milli-Ohms		8.2715	Milli-Ohms	20C
B-B'	12.2	Milli-Ohms	B-B'	2.2	Milli-Ohms	B-B'	15.7	Milli-Ohms	Reading
	11.467	Milli-Ohms		2.0679	Milli-Ohms		14.757	Milli-Ohms	20C
C-C'	4.1	Milli-Ohms	C-C'	2.9	Milli-Ohms	C-C'	8.3	Milli-Ohms	Reading
		Milli-Ohms		2.7258	Milli-Ohms		7.8015	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 37 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 40 % ASSET ID 05143 MVVB

EQUIP ID 05143 SF CB-03 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 3A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 3A

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 LINE

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480 STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: 150

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	37	DEG C	
20°C CORRECTION FACTOR	2.2		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	3.9	Giga-Ohms	A-A'	5.22	Giga-Ohms	A-B'	1.7	Giga-Ohms	Reading
	8.58	Giga-Ohms		11.484	Giga-Ohms		3.74	Giga-Ohms	20C
B-GROUND	4.2	Giga-Ohms	B-B'	4.6	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	9.24	Giga-Ohms		10.12	Giga-Ohms		4.4	Giga-Ohms	20C
C-GROUND	4.1	Giga-Ohms	C-C'	5.1	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	9.02	Giga-Ohms		11.22	Giga-Ohms		4.4	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	6.5	Milli-Ohms	A-A'	1.1	Milli-Ohms	A-A'	7.2	Milli-Ohms	Reading
	6.026	Milli-Ohms		1.0198	Milli-Ohms		6.6749	Milli-Ohms	20C
B-B'	3.9	Milli-Ohms	B-B'	1.1	Milli-Ohms	B-B'	4.8	Milli-Ohms	Reading
	3.6156	Milli-Ohms		1.0198	Milli-Ohms		4.4499	Milli-Ohms	20C
C-C'	9.8	Milli-Ohms	C-C'	1.4	Milli-Ohms	C-C'	9.9	Milli-Ohms	Reading
		Milli-Ohms		1.2979	Milli-Ohms		9.178	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 39 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 40 % ASSET ID 05144 MCCB

EQUIP ID 05144 SF CB-04 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3B

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: 150

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	39	DEG C	
20°C CORRECTION FACTOR	2.4		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	3.5	Giga-Ohms	A-A'	9.8	Giga-Ohms	A-B'	0.954	Giga-Ohms	Reading
	8.4	Giga-Ohms		23.52	Giga-Ohms		2.2896	Giga-Ohms	20C
B-GROUND	4.5	Giga-Ohms	B-B'	12.2	Giga-Ohms	B-C'	1.2	Giga-Ohms	Reading
	10.8	Giga-Ohms		29.28	Giga-Ohms		2.88	Giga-Ohms	20C
C-GROUND	4.9	Giga-Ohms	C-C'	11.5	Giga-Ohms	C-A'	1.3	Giga-Ohms	Reading
	11.76	Giga-Ohms		27.6	Giga-Ohms		3.12	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	60	Milli-Ohms	A-A'	1.6	Milli-Ohms	A-A'	64	Milli-Ohms	Reading
	55.109	Milli-Ohms		1.4696	Milli-Ohms		58.783	Milli-Ohms	20C
B-B'	44	Milli-Ohms	B-B'	2.5	Milli-Ohms	B-B'	46	Milli-Ohms	Reading
	40.414	Milli-Ohms		2.2962	Milli-Ohms		42.251	Milli-Ohms	20C
C-C'	9.5	Milli-Ohms	C-C'	1.5	Milli-Ohms	C-C'	10.7	Milli-Ohms	Reading
		Milli-Ohms		1.3777	Milli-Ohms		9.8278	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 27 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05145 MCCB

EQUIP ID 05145 SF CB-05 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3C

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: U/O

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	27	DEG C	
20°C CORRECTION FACTOR	1.382		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	0.3	Giga-Ohms	A-A'	0.577	Giga-Ohms	A-B'	0.37	Giga-Ohms	Reading
A-GROUND	0.4146	Giga-Ohms		0.797414	Giga-Ohms		0.51134	Giga-Ohms	20C
B-GROUND	0.337	Giga-Ohms	B-B'	0.618	Giga-Ohms	B-C'	0.508	Giga-Ohms	Reading
	0.465734	Giga-Ohms		0.854076	Giga-Ohms		0.702056	Giga-Ohms	20C
C-GROUND	0.353	Giga-Ohms	C-C'	0.615	Giga-Ohms	C-A'	0.516	Giga-Ohms	Reading
	0.487846	Giga-Ohms		0.84993	Giga-Ohms		0.713112	Giga-Ohms	20C

FUSE RESISTANCE

		Milli-Ohms	Reading
A		Milli-Ohms	20C
B		Milli-Ohms	20C
C		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	19.5	Milli-Ohms	A-A'	1.1	Milli-Ohms	A-A'	21.6	Milli-Ohms	Reading
A-A'	18.914	Milli-Ohms		1.067	Milli-Ohms		20.951	Milli-Ohms	20C
B-B'	4.7	Milli-Ohms	B-B'	1.3	Milli-Ohms	B-B'	5.7	Milli-Ohms	Reading
	4.5589	Milli-Ohms		1.261	Milli-Ohms		5.5288	Milli-Ohms	20C
C-C'	13	Milli-Ohms	C-C'	1.5	Milli-Ohms	C-C'	15	Milli-Ohms	Reading
		Milli-Ohms		1.455	Milli-Ohms		14.55	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 27 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 65 % ASSET ID 05146 MCCB

EQUIP ID 05146 SF CB-06 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 3D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 3D

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 R FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: U/O

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	27	DEG C	
20°C CORRECTION FACTOR	1.382		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	0.235	Giga-Ohms	A-A'	0.634	Giga-Ohms	A-B'	0.112	Giga-Ohms	Reading
	0.32477	Giga-Ohms		0.876188	Giga-Ohms		0.154784	Giga-Ohms	20C
B-GROUND	0.31	Giga-Ohms	B-B'	0.622	Giga-Ohms	B-C'	0.135	Giga-Ohms	Reading
	0.42842	Giga-Ohms		0.859604	Giga-Ohms		0.18657	Giga-Ohms	20C
C-GROUND	0.256	Giga-Ohms	C-C'	0.679	Giga-Ohms	C-A'	0.163	Giga-Ohms	Reading
	0.353792	Giga-Ohms		0.938378	Giga-Ohms		0.225266	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	87	Milli-Ohms	A-A'	2.1	Milli-Ohms	A-A'	110	Milli-Ohms	Reading
	84.387	Milli-Ohms		2.0369	Milli-Ohms		106.7	Milli-Ohms	20C
B-B'	8.3	Milli-Ohms	B-B'	2.3	Milli-Ohms	B-B'	83	Milli-Ohms	Reading
	8.0508	Milli-Ohms		2.2309	Milli-Ohms		80.508	Milli-Ohms	20C
C-C'	174	Milli-Ohms	C-C'	2.4	Milli-Ohms	C-C'	197	Milli-Ohms	Reading
		Milli-Ohms		2.3279	Milli-Ohms		191.08	Milli-Ohms	20C

COMMENTS:

Bucket found LOTO.

DEFICIENCIES:

Breaker contact resistance high on phase A and C.

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 29 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05147 MCCB

EQUIP ID 05147 SF CB-07 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 4A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 4A

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 R FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: U/O

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	29	DEG C	
20°C CORRECTION FACTOR	1.514		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	B-C		B-B'		B-A'		C-C'		C-B'		C-A'	
A-GROUND	0.127	Giga-Ohms	0.452	Giga-Ohms	0.0086	Giga-Ohms	Reading					
	0.192278	Giga-Ohms	0.684328	Giga-Ohms	0.0130204	Giga-Ohms	20C					
B-GROUND	0.137	Giga-Ohms	0.564	Giga-Ohms	0.0318	Giga-Ohms	Reading					
	0.207418	Giga-Ohms	0.853896	Giga-Ohms	0.0481452	Giga-Ohms	20C					
C-GROUND	0.19	Giga-Ohms	0.648	Giga-Ohms	0.0305	Giga-Ohms	Reading					
	0.28766	Giga-Ohms	0.981072	Giga-Ohms	0.046177	Giga-Ohms	20C					

FUSE RESISTANCE

	Reading	20C
A	Reading	20C
B	Reading	20C
C	Reading	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	B-C		B-B'		B-A'		C-C'		C-B'		C-A'	
A-A'	6.8	Milli-Ohms	2.5	Milli-Ohms	10.7	Milli-Ohms	Reading					
	6.5375	Milli-Ohms	2.4035	Milli-Ohms	10.287	Milli-Ohms	20C					
B-B'	11.5	Milli-Ohms	1.4	Milli-Ohms	9.8	Milli-Ohms	Reading					
	11.056	Milli-Ohms	1.3459	Milli-Ohms	9.4216	Milli-Ohms	20C					
C-C'	5.7	Milli-Ohms	1.4	Milli-Ohms	11.2	Milli-Ohms	Reading					
		Milli-Ohms	1.3459	Milli-Ohms	10.768	Milli-Ohms	20C					

COMMENTS:

DEFICIENCIES:

Phase to phase insulation resistance very low.

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 30 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 55 % ASSET ID 05148 MCCB

EQUIP ID 05148 SF CB-08 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 4B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 4B

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 R FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: U/O

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	30	DEG C	
20°C CORRECTION FACTOR	1.58		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	B-C		B-B'		B-A'		C-C'		C-B'		C-A'	
A-GROUND	0.466	Giga-Ohms	0.933	Giga-Ohms	0.236	Giga-Ohms	Reading					
	0.73628	Giga-Ohms	1.47414	Giga-Ohms	0.37288	Giga-Ohms	20C					
B-GROUND	0.777	Giga-Ohms	0.989	Giga-Ohms	0.427	Giga-Ohms	Reading					
	1.22766	Giga-Ohms	1.56262	Giga-Ohms	0.67466	Giga-Ohms	20C					
C-GROUND	0.692	Giga-Ohms	1.03	Giga-Ohms	0.374	Giga-Ohms	Reading					
	1.09336	Giga-Ohms	1.6274	Giga-Ohms	0.59092	Giga-Ohms	20C					

FUSE RESISTANCE

	Reading	20C
A	Milli-Ohms	20C
B	Milli-Ohms	20C
C	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	B-C		B-B'		B-A'		C-C'		C-B'		C-A'	
A-A'	4.3	Milli-Ohms	1.7	Milli-Ohms	5.8	Milli-Ohms	Reading					
	4.1155	Milli-Ohms	1.6271	Milli-Ohms	5.5512	Milli-Ohms	20C					
B-B'	4	Milli-Ohms	1.8	Milli-Ohms	5.9	Milli-Ohms	Reading					
	3.8284	Milli-Ohms	1.7228	Milli-Ohms	5.6469	Milli-Ohms	20C					
C-C'	3.5	Milli-Ohms	1.3	Milli-Ohms	4.9	Milli-Ohms	Reading					
		Milli-Ohms	1.2442	Milli-Ohms	4.6898	Milli-Ohms	20C					

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: K Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 31 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 50 % ASSET ID _____

EQUIP ID 05150 SP1 & SP2 CONTROLS TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ 4D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ 4D

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: LPJ-20SP INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: _____

CONTROL FUSE: TR 3 2/10 R FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: 300

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	31	DEG C	
20°C CORRECTION FACTOR	1.664		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	0.405	Giga-Ohms	A-A'	0.464	Giga-Ohms	A-B'	0.398	Giga-Ohms	Reading
A-GROUND	0.67392	Giga-Ohms		0.772096	Giga-Ohms		0.662272	Giga-Ohms	20C
B-GROUND	0.387	Giga-Ohms	B-B'	0.584	Giga-Ohms	B-C'	0.458	Giga-Ohms	Reading
	0.643968	Giga-Ohms		0.971776	Giga-Ohms		0.762112	Giga-Ohms	20C
C-GROUND	0.385	Giga-Ohms	C-C'	0.853	Giga-Ohms	C-A'	0.437	Giga-Ohms	Reading
	0.64064	Giga-Ohms		1.419392	Giga-Ohms		0.727168	Giga-Ohms	20C

FUSE RESISTANCE

	11.6	Milli-Ohms	Reading
A	11.053	Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C	11.9	Milli-Ohms	Reading
	11.338	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	1.1	Milli-Ohms			Milli-Ohms		13.9	Milli-Ohms	Reading
A-A'	1.0481	Milli-Ohms	A-A'		Milli-Ohms	A-A'	13.244	Milli-Ohms	20C
B-B'	1.2	Milli-Ohms	B-B'		Milli-Ohms	B-B'		Milli-Ohms	Reading
	1.1434	Milli-Ohms			Milli-Ohms			Milli-Ohms	20C
C-C'	1.2	Milli-Ohms	C-C'		Milli-Ohms	C-C'	13.7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		13.053	Milli-Ohms	20C

COMMENTS:

Fused disconnect feeding control transformer.

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Keith Greene



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05151 MCCB

EQUIP ID 05151 SF CB-09 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 5A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 5A

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: ATMR 1-1/2 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	28	DEG C
20°C CORRECTION FACTOR	1.448	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C

FUSE RESISTANCE		
A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	34	Milli-Ohms	A-A'	1.5	Milli-Ohms	A-A'	35	Milli-Ohms	Reading
	32.833	Milli-Ohms		1.4485	Milli-Ohms		33.799	Milli-Ohms	20C
B-B'	7	Milli-Ohms	B-B'	2	Milli-Ohms	B-B'	7	Milli-Ohms	Reading
	6.7598	Milli-Ohms		1.9314	Milli-Ohms		6.7598	Milli-Ohms	20C
C-C'	3.5	Milli-Ohms	C-C'	3	Milli-Ohms	C-C'	3.5	Milli-Ohms	Reading
	Milli-Ohms			2.897	Milli-Ohms		3.3799	Milli-Ohms	20C

COMMENTS: A-PHASE BREAKER CONTACT RESISTANCE SHOWING HIGHER READINGS THEN OTHER PHASES. NOT WITHIN NETA SPEC.

DEFICIENCIES: _____

EQUIPMENT USED:	#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
	1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
	2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05152 MCCB

EQUIP ID 05152 SF CB-10 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 5B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 5B

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: ATMR 1-1/2 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	28	DEG C
20°C CORRECTION FACTOR	1.448	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	1.7	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.4616	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	1.8	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.6064	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A		
		20C
B		
		20C
C		
		20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	19	Milli-Ohms	A-A'	1.5	Milli-Ohms	A-A'	21	Milli-Ohms	Reading
	18.348	Milli-Ohms		1.4485	Milli-Ohms		20.279	Milli-Ohms	20C
B-B'	9	Milli-Ohms	B-B'	1.7	Milli-Ohms	B-B'	9	Milli-Ohms	Reading
	8.6911	Milli-Ohms		1.6417	Milli-Ohms		8.6911	Milli-Ohms	20C
C-C'	18	Milli-Ohms	C-C'	1.9	Milli-Ohms	C-C'	19	Milli-Ohms	Reading
		Milli-Ohms		1.8348	Milli-Ohms		18.348	Milli-Ohms	20C

COMMENTS: CONTACT RESISTANCE NOT WITHIN NETA SPEC

DEFICIENCIES: _____

EQUIPMENT USED:	#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
	1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
	2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 29 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 54 % ASSET ID 05153 MCCB

EQUIP ID 05153 SF CB-11 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 5C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 5C

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC03650 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: ATMR 1-1/2 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	PASS
MEGGER TEST VOLTAGE	1	KVDC
EQUIPMENT TEMPERATURE	28	DEG C
20°C CORRECTION FACTOR	1.448	

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	1.7	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	1.3	Giga-Ohms	Reading
	2.4616	Giga-Ohms		2.896	Giga-Ohms		1.8824	Giga-Ohms	20C
B-GROUND	1.7	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	1.26	Giga-Ohms	Reading
	2.4616	Giga-Ohms		2.896	Giga-Ohms		1.82448	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	1.65	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.3892	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A		Reading
		20C
B		Reading
		20C
C		Reading
		20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	10	Milli-Ohms	A-A'	2.7	Milli-Ohms	A-A'	14	Milli-Ohms	Reading
	9.6568	Milli-Ohms		2.6073	Milli-Ohms		13.52	Milli-Ohms	20C
B-B'	6.7	Milli-Ohms	B-B'	2.9	Milli-Ohms	B-B'	8	Milli-Ohms	Reading
	6.4701	Milli-Ohms		2.8005	Milli-Ohms		7.7254	Milli-Ohms	20C
C-C'	84	Milli-Ohms	C-C'	2.3	Milli-Ohms	C-C'	86	Milli-Ohms	Reading
		Milli-Ohms		2.2211	Milli-Ohms		83.048	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: CONTACT RESISTANCE NOT WITHIN NETA SPEC

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 32 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 50 % ASSET ID 05154 MCCB

EQUIP ID 05154 SPARE STARTER 1 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 5D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 5D

MANUFACTURER: General Electric BRKR/FUSE RATING: 50 DATE MAN _____ MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36050 INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: 2

CONTROL FUSE: TR 1 6/10 R FACTORY ORDER NO. _____ OVERLOADS: C303B CPT VA: 150

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	F	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input checked="" type="checkbox"/>	B	X
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	32	DEG C	
20°C CORRECTION FACTOR	1.748		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			FUSE RESISTANCE			
A-GROUND	0.495	Giga-Ohms	A-A'	1.26	Giga-Ohms	A-B'	0.587	Giga-Ohms	Reading	A		Reading
	0.86526	Giga-Ohms		2.20248	Giga-Ohms		1.026076	Giga-Ohms	20C		Milli-Ohms	20C
B-GROUND	0.647	Giga-Ohms	B-B'	1.7	Giga-Ohms	B-C'	0.45	Giga-Ohms	Reading	B		Reading
	1.130956	Giga-Ohms		2.9716	Giga-Ohms		0.7866	Giga-Ohms	20C		Milli-Ohms	20C
C-GROUND	0.703	Giga-Ohms	C-C'	1.6	Giga-Ohms	C-A'	0.41	Giga-Ohms	Reading	C		Reading
	1.228844	Giga-Ohms		2.7968	Giga-Ohms		0.71668	Giga-Ohms	20C		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	6.1	Milli-Ohms	A-A'	1.2	Milli-Ohms	A-A'	6.1	Milli-Ohms	Reading
	5.786	Milli-Ohms		1.1382	Milli-Ohms		5.786	Milli-Ohms	20C
B-B'	35	Milli-Ohms	B-B'	1.1	Milli-Ohms	B-B'	37.6	Milli-Ohms	Reading
	33.198	Milli-Ohms		1.0434	Milli-Ohms		35.664	Milli-Ohms	20C
C-C'	400	Milli-Ohms	C-C'	1	Milli-Ohms	C-C'	538	Milli-Ohms	Reading
		Milli-Ohms		0.94852	Milli-Ohms		510.3	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: High breaker contact resistance on phases B & C.

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO 10	209012	DLRO	1/10/2023	1/10/2024
2	AEMC Instruments	6526	194494	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. °F JOB # 719706

SUBSTATION MCC-2 HUMIDITY _____ % ASSET ID 05155 MCCB

EQUIP ID 05155 PRV-7 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6A

MANUFACTURER: General Electric BRKR/FUSE RATING: 1/6 HP DATE MAN 1991 MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36007 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: Size 1

CONTROL FUSE: A4J10 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input type="checkbox"/>	SEE COMMENTS	
INSULATING MEMBERS	<input type="checkbox"/>		
MANUAL OPERATIONS	<input type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input type="checkbox"/>		
FINGER CLUSTERS	<input type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	KVDC	
EQUIPMENT TEMPERATURE	DEG C	
20°C CORRECTION FACTOR		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			
A-GROUND	Giga-Ohms	A-A'	Giga-Ohms	A-B'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms		20C
B-GROUND	Giga-Ohms	B-B'	Giga-Ohms	B-C'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms		20C
C-GROUND	Giga-Ohms	C-C'	Giga-Ohms	C-A'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms		20C

FUSE RESISTANCE

A	Milli-Ohms	Reading	
	Milli-Ohms		20C
B	Milli-Ohms	Reading	
	Milli-Ohms		20C
C	Milli-Ohms	Reading	
	Milli-Ohms		20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms		20C
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms		20C
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms		20C

COMMENTS:

WAS UNABLE TO TEST MCCB .

DEFICIENCIES:

BUCKET WAS FOUND WITH COUNTLESS WIRES NOT LANDED IN THEIR RESPECTIVE LOCATION. STARTER WAS ALSO NOT PROPERLY ATTACHED TO BACK PLATE . ALL LOOSE WIRES HAVE BEEN TAPED UP INCASE BUCKET BECOMES ENERGIZED . BUCKET HAS ALSO BEEN TAGGED FOR SERVICE .

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 27 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05156 MCCB

EQUIP ID 05156 PRV-8 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6B

MANUFACTURER: General Electric BRKR/FUSE RATING: 7 A DATE MAN 1991 MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36007 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: Size 1

CONTROL FUSE: ARJ10 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	26	DEG C	
20°C CORRECTION FACTOR	1.316		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	1.3	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	1.7108	Giga-Ohms		2.632	Giga-Ohms		2.632	Giga-Ohms	20C
B-GROUND	0.8	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	1.0528	Giga-Ohms		2.632	Giga-Ohms		2.632	Giga-Ohms	20C
C-GROUND	0.8	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	1.0528	Giga-Ohms		2.632	Giga-Ohms		2.632	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	171	Milli-Ohms	A-A'	2.7	Milli-Ohms	A-A'	1	Ohms	Reading
	166.6	Milli-Ohms		2.6305	Milli-Ohms		0.97426	Ohms	20C
B-B'	68	Milli-Ohms	B-B'	1.7	Milli-Ohms	B-B'	68	Milli-Ohms	Reading
	66.25	Milli-Ohms		1.6562	Milli-Ohms		66.25	Milli-Ohms	20C
C-C'	102	Milli-Ohms	C-C'	2.1	Milli-Ohms	C-C'		Milli-Ohms	Reading
		Milli-Ohms		2.0459	Milli-Ohms			Milli-Ohms	20C

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

COMMENTS: C-PHASE COMPLETE ASSEMBLY TEST COULDNT BE COMPLETED DUE TO NO WIRING FROM BREAKER TO STARTER .

ALSO MISSING FINGER CLUSTERS ON BACK SIDE OF BUCKET .

DEFICIENCIES: BREAKER CONTACT RESISTANCE IS NOT WITHIN NETA SPEC .

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 55 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 19 % ASSET ID 05157 MCCB

EQUIP ID 05157 PRV-9 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 6C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 6C

MANUFACTURER: General Electric BRKR/FUSE RATING: 7 A DATE MAN 1991 MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: Size 1

CONTROL FUSE: A4J10 FACTORY ORDER NO. NA OVERLOADS: C466A CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

TEST	VALUE	UNIT	PASS
CONTROL WIRING		VDC	<input checked="" type="checkbox"/>
MEGGER TEST VOLTAGE	1	KVDC	<input checked="" type="checkbox"/>
EQUIPMENT TEMPERATURE	55	DEG C	<input checked="" type="checkbox"/>
20°C CORRECTION FACTOR	5		<input checked="" type="checkbox"/>

INSULATION RESISTANCE

CIRCUIT	BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY		Reading
	0.7	Giga-Ohms	2	Giga-Ohms	1.7	Giga-Ohms	
A-GROUND	3.5	Giga-Ohms	10	Giga-Ohms	8.5	Giga-Ohms	20C
	0.6	Giga-Ohms	2	Giga-Ohms	1.7	Giga-Ohms	Reading
B-GROUND	3	Giga-Ohms	10	Giga-Ohms	8.5	Giga-Ohms	20C
	0.6	Giga-Ohms	2	Giga-Ohms	2	Giga-Ohms	Reading
C-GROUND	3	Giga-Ohms	10	Giga-Ohms	10	Giga-Ohms	20C

FUSE RESISTANCE

CIRCUIT	Reading	Unit
A		Milli-Ohms
	20C	Milli-Ohms
B		Milli-Ohms
	20C	Milli-Ohms
C		Milli-Ohms
	20C	Milli-Ohms

CONTACT RESISTANCE

CIRCUIT	BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY		Reading
	Milli-Ohms		Milli-Ohms		Milli-Ohms		
A-A'							20C
							20C
B-B'							20C
							20C
C-C'							20C
							20C

COMMENTS:

STARTER COIL IS OPEN. CANT OPERATE IT. ITS TOAST. WILL PERFORM REMAINING TESTS.

DEFICIENCIES:

STARTER COIL IS SHOT . NOT WORKING

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY % ASSET ID _____

EQUIP ID 05158 MCCB TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____

MANUFACTURER: _____ BRKR/FUSE RATING: _____ DATE MAN _____ MODEL/SERIES: _____

BRKR/FUSE MODEL: _____ INSTRUCTION BOOK: _____ VOLTAGE RATING: _____ STARTER SIZE: _____

CONTROL FUSE: _____ FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: _____

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MANUAL OPERATIONS	<input type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input type="checkbox"/>		
FINGER CLUSTERS	<input type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE		KVDC	
EQUIPMENT TEMPERATURE		DEG C	
20°C CORRECTION FACTOR			

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

		Giga-Ohms		Giga-Ohms		Giga-Ohms	Reading
A-GROUND			A-A'				
						20C	
B-GROUND			B-B'				
						20C	
C-GROUND			C-C'				
						20C	

FUSE RESISTANCE

		Milli-Ohms	Reading
A			
			20C
B			
			20C
C			
			20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

		Milli-Ohms		Milli-Ohms		Milli-Ohms	Reading
A-A'			A-A'				
						20C	
B-B'			B-B'				
						20C	
C-C'			C-C'				
						20C	

COMMENTS:

DEFICIENCIES:

TESTED BY: Ryan Orjada



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 0159 MCCB

EQUIP ID 05159 Spare Starter 2 TEST STATUS Pass (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6E REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6E

MANUFACTURER: General Electric BRKR/FUSE RATING: 30 A DATE MAN 1991 MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: NA INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: Size 1

CONTROL FUSE: ATMR 1 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	MISSING	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND	
A	= LIKE NEW CONDITION
B	= GOOD CONDITION
C	= POOR CONDITION NEED CORRECTION
D	= CORRECTIONS MADE
E	= UNACCEPTABLE CONDITION DO NOT USE
F	= DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	28	DEG C	
20°C CORRECTION FACTOR	1.448		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	1.6	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	0.225	Giga-Ohms	Reading
	2.3168	Giga-Ohms		2.896	Giga-Ohms		0.3258	Giga-Ohms	20C
B-GROUND	1.36	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	0.25	Giga-Ohms	Reading
	1.96928	Giga-Ohms		2.896	Giga-Ohms		0.362	Giga-Ohms	20C
C-GROUND	1.7	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	0.355	Giga-Ohms	Reading
	2.4616	Giga-Ohms		2.896	Giga-Ohms		0.51404	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'	56	Milli-Ohms	A-A'	2	Milli-Ohms	A-A'	55	Milli-Ohms	Reading
	54.078	Milli-Ohms		1.9314	Milli-Ohms		53.112	Milli-Ohms	20C
B-B'	578	Milli-Ohms	B-B'	12	Milli-Ohms	B-B'	572	Milli-Ohms	Reading
	558.16	Milli-Ohms		11.588	Milli-Ohms		552.37	Milli-Ohms	20C
C-C'	623	Milli-Ohms	C-C'	4	Milli-Ohms	C-C'	623	Milli-Ohms	Reading
		Milli-Ohms		3.8627	Milli-Ohms		601.62	Milli-Ohms	20C

COMMENTS: MISSING CONTROL FUSE . BUCKET PARTS AND FRAME VERY RUSTY.

DEFICIENCIES: STARTER CHATTERING PRETTY BAD WHEN ENRGIZED . LOTS OF RUSTY COMPONETS .

EQUIPMENT USED:	#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
	1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
	2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: Norman Stangis



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05160 MCCB

EQUIP ID 05160 Spare Disc 1 TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6F REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6F

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN 1991 MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: Size 1

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	SEE COMMENTS	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	28	DEG C	
20°C CORRECTION FACTOR	1.448		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	12	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		11.588	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.2769	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.2769	Milli-Ohms	20C

COMMENTS:

BREAKER RELUCTANT TO FULLY CLOSE . WILL HOLD CLOSED AFTER PLAYING W IT SOME BUT BEING DIFFICULT.

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 32 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 50 % ASSET ID 05161 MCCB

EQUIP ID 05161 Spare Disc 2 TEST STATUS Fail

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 6G REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 6G

MANUFACTURER: General Electric BRKR/FUSE RATING: NA DATE MAN 1991 MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: NA INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: Size 1

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	SEE COMMENTS	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	32	DEG C	
20°C CORRECTION FACTOR	1.748		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			
A-GROUND	Giga-Ohms	A-A'	Giga-Ohms	A-B'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
B-GROUND	Giga-Ohms	B-B'	Giga-Ohms	B-C'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
C-GROUND	Giga-Ohms	C-C'	Giga-Ohms	C-A'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	

FUSE RESISTANCE

A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	

COMMENTS:

DEFICIENCIES:

BREAKER WILL NOT CLOSE FOR TESTING . BREAKER WAS CLEANED

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 27 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 62 % ASSET ID 05162 MCCB

EQUIP ID 05162 Sump Pump P2 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7A

MANUFACTURER: General Electric BRKR/FUSE RATING: 7 AMP DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36007 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: 1

CONTROL FUSE: FNQ-R-1/2 FACTORY ORDER NO. NA OVERLOADS: C356A CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	27	DEG C	
20°C CORRECTION FACTOR	1.382		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
A-GROUND	2.764	Giga-Ohms		2.764	Giga-Ohms		2.764	Giga-Ohms	20C
B-GROUND	2.764	Giga-Ohms	B-B'	2.764	Giga-Ohms	B-C'	2.764	Giga-Ohms	20C
C-GROUND	2.764	Giga-Ohms	C-C'	2.764	Giga-Ohms	C-A'	2.764	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A	20C	
B	20C	
C	20C	

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	52	Milli-Ohms	A-A'	3	Milli-Ohms	A-A'	55	Milli-Ohms	Reading
A-A'	50.438	Milli-Ohms		2.9099	Milli-Ohms		53.348	Milli-Ohms	20C
B-B'	53.348	Milli-Ohms	B-B'	3.5	Milli-Ohms	B-B'	57	Milli-Ohms	20C
C-C'	61	Milli-Ohms	C-C'	3.3949	Milli-Ohms	C-C'	55.288	Milli-Ohms	20C
		Milli-Ohms		3.2	Milli-Ohms		76	Milli-Ohms	20C
		Milli-Ohms		3.1039	Milli-Ohms		73.718	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05163 MCCB

EQUIP ID 05163 Wash Down Valve BFV-5 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 7C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 7C

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: NA INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	28	DEG C	
20°C CORRECTION FACTOR	1.448		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.2769	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.2769	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	6.8	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.5666	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05164 MCCB

EQUIP ID 05164 Spray Wash Valve BFV-3 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 7D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 7D

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: N A

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	28	DEG C	
20°C CORRECTION FACTOR	1.448		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
A-GROUND	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
B-GROUND	2.896	Giga-Ohms	B-B'	2.896	Giga-Ohms	B-C'	2.896	Giga-Ohms	20C
C-GROUND	2.896	Giga-Ohms	C-C'	2.896	Giga-Ohms	C-A'	2.896	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A	Milli-Ohms	20C
B	Milli-Ohms	20C
C	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	Milli-Ohms		Milli-Ohms		Milli-Ohms	Reading
A-A'	Milli-Ohms		Milli-Ohms	A-A'	7	Milli-Ohms
	Milli-Ohms		Milli-Ohms		6.7598	20C
B-B'	Milli-Ohms		Milli-Ohms	B-B'	7	Milli-Ohms
	Milli-Ohms		Milli-Ohms		6.7598	20C
C-C'	Milli-Ohms		Milli-Ohms	C-C'	10	Milli-Ohms
	Milli-Ohms		Milli-Ohms		9.6568	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 28 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 60 % ASSET ID 05165 MCCB

EQUIP ID 05165 Wash Down Valve BFV-6 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7E REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7E

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	28	DEG C	
20°C CORRECTION FACTOR	1.448		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
A-GROUND	2.896	Giga-Ohms		2.896	Giga-Ohms		2.896	Giga-Ohms	20C
B-GROUND	2.896	Giga-Ohms	B-B'	2.896	Giga-Ohms	B-C'	2.896	Giga-Ohms	20C
C-GROUND	2.896	Giga-Ohms	C-C'	2.896	Giga-Ohms	C-A'	2.896	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A	Milli-Ohms	20C
B	Milli-Ohms	20C
C	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	Milli-Ohms		Milli-Ohms		Milli-Ohms	Reading
A-A'	Milli-Ohms		Milli-Ohms	A-A'	6.8	Milli-Ohms
	Milli-Ohms		Milli-Ohms		6.5666	Milli-Ohms
B-B'	Milli-Ohms		Milli-Ohms	B-B'	18	Milli-Ohms
	Milli-Ohms		Milli-Ohms		17.382	Milli-Ohms
C-C'	Milli-Ohms		Milli-Ohms	C-C'	6.8	Milli-Ohms
	Milli-Ohms		Milli-Ohms		6.5666	Milli-Ohms

COMMENTS:

DEFICIENCIES:

B-PHASE CONTACT RESISTANCE NOT WITHIN NETA SPEC

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/6/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 33 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 42 % ASSET ID 05166 MCCB

EQUIP ID 05166 Sump Pump P1 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 8A REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 8A

MANUFACTURER: General Electric BRKR/FUSE RATING: 7 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: TEC36007 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: 1

CONTROL FUSE: FNQ-R-1 FACTORY ORDER NO. NA OVERLOADS: CR7RA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	B	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	B	X
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	33	DEG C	
20°C CORRECTION FACTOR	1.832		

INSULATION RESISTANCE

BREAKER CLOSED

BREAKER OPEN

COMPLETE ASSEMBLY

	1.7	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
A-GROUND	3.1144	Giga-Ohms		3.664	Giga-Ohms		3.664	Giga-Ohms	20C
B-GROUND	1.8	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	3.2976	Giga-Ohms		3.664	Giga-Ohms		3.664	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	3.664	Giga-Ohms		3.664	Giga-Ohms		3.664	Giga-Ohms	20C

FUSE RESISTANCE

		Milli-Ohms	Reading
A		Milli-Ohms	20C
B		Milli-Ohms	20C
C		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS

STARTER CONTACTS

COMPLETE ASSEMBLY

	57	Milli-Ohms	A-A'	3.7	Milli-Ohms	A-A'	62	Milli-Ohms	Reading
A-A'	53.821	Milli-Ohms		3.4937	Milli-Ohms		58.542	Milli-Ohms	20C
B-B'	57	Milli-Ohms	B-B'	14	Milli-Ohms	B-B'	86	Milli-Ohms	Reading
	53.821	Milli-Ohms		13.219	Milli-Ohms		81.204	Milli-Ohms	20C
C-C'	80	Milli-Ohms	C-C'	4	Milli-Ohms	C-C'	81	Milli-Ohms	Reading
		Milli-Ohms		3.7769	Milli-Ohms		76.483	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

STARTER CONTACT RESISTANCE NOT WITHIN NETA SPEC

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 26 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 56 % ASSET ID 05167 MCCB

EQUIP ID 05167 Spray Wash BFV-1 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 8B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 8B

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	26	DEG C	
20°C CORRECTION FACTOR	1.316		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.632	Giga-Ohms		2.632	Giga-Ohms		2.632	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.632	Giga-Ohms		2.632	Giga-Ohms		2.632	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.632	Giga-Ohms		2.632	Giga-Ohms		2.632	Giga-Ohms	20C

FUSE RESISTANCE

A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.3327	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6.6	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.4301	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	6.6	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.4301	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 26 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 54 % ASSET ID 05168 MCCB

EQUIP ID 05168 Wash Down Valve BFV-4 TEST STATUS Fail (Needs Attention)

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 8C REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 8C

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	26	DEG C	
20°C CORRECTION FACTOR	1.316		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	1.3	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	200	Giga-Ohms	Reading
	1.7108	Giga-Ohms		2.632	Giga-Ohms		263.2	Giga-Ohms	20C
B-GROUND	1.3	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	200	Giga-Ohms	Reading
	1.7108	Giga-Ohms		2.632	Giga-Ohms		263.2	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	200	Giga-Ohms	Reading
	2.632	Giga-Ohms		2.632	Giga-Ohms		263.2	Giga-Ohms	20C

FUSE RESISTANCE

	Milli-Ohms	Reading
A		
		20C
B		
		20C
C		
		20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	16	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		15.588	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6.8	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.625	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	6.8	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.625	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES: A-PHASE CONTACTS NOT WITHIN NETA SPEC

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	Megger	DLRO	206154	DLRO	1/12/2023	1/12/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/5/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. 27 °C JOB # 719706

SUBSTATION MCC-2 HUMIDITY 58 % ASSET ID 05169 MCCB

EQUIP ID 05169 Spray Wash BFV-2 TEST STATUS Pass

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: Cell 8D REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: Cell 8D

MANUFACTURER: General Electric BRKR/FUSE RATING: 20 A DATE MAN NA MODEL/SERIES: 8000 Line

BRKR/FUSE MODEL: 8000 INSTRUCTION BOOK: NA VOLTAGE RATING: 480V STARTER SIZE: NA

CONTROL FUSE: NA FACTORY ORDER NO. NA OVERLOADS: NA CPT VA: NA

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input checked="" type="checkbox"/>	B	X
INSULATING MEMBERS	<input checked="" type="checkbox"/>	B	X
MANUAL OPERATIONS	<input checked="" type="checkbox"/>	B	
ARC CHUTES (IF PRESENT)	<input checked="" type="checkbox"/>	NA	
CONTROL FUSES	<input checked="" type="checkbox"/>	NA	
PILOT LIGHTS AND RESET BUTTON	<input checked="" type="checkbox"/>	NA	
RACKING MECHANISM	<input checked="" type="checkbox"/>	B	X
BREAKER OPERATING HANDLE	<input checked="" type="checkbox"/>	B	X
FINGER CLUSTERS	<input checked="" type="checkbox"/>	B	X

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING		VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	1	KVDC	
EQUIPMENT TEMPERATURE	27	DEG C	
20°C CORRECTION FACTOR	1.382		

INSULATION RESISTANCE

BREAKER CLOSED			BREAKER OPEN			COMPLETE ASSEMBLY			
A-GROUND	2	Giga-Ohms	A-A'	2	Giga-Ohms	A-B'	2	Giga-Ohms	Reading
	2.764	Giga-Ohms		2.764	Giga-Ohms		2.764	Giga-Ohms	20C
B-GROUND	2	Giga-Ohms	B-B'	2	Giga-Ohms	B-C'	2	Giga-Ohms	Reading
	2.764	Giga-Ohms		2.764	Giga-Ohms		2.764	Giga-Ohms	20C
C-GROUND	2	Giga-Ohms	C-C'	2	Giga-Ohms	C-A'	2	Giga-Ohms	Reading
	2.764	Giga-Ohms		2.764	Giga-Ohms		2.764	Giga-Ohms	20C

FUSE RESISTANCE			
A		Milli-Ohms	Reading
		Milli-Ohms	20C
B		Milli-Ohms	Reading
		Milli-Ohms	20C
C		Milli-Ohms	Reading
		Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS			STARTER CONTACTS			COMPLETE ASSEMBLY			
A-A'		Milli-Ohms	A-A'		Milli-Ohms	A-A'	6.5	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.3048	Milli-Ohms	20C
B-B'		Milli-Ohms	B-B'		Milli-Ohms	B-B'	6.4	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.2078	Milli-Ohms	20C
C-C'		Milli-Ohms	C-C'		Milli-Ohms	C-C'	6.7	Milli-Ohms	Reading
		Milli-Ohms			Milli-Ohms		6.4988	Milli-Ohms	20C

COMMENTS:

DEFICIENCIES:

EQUIPMENT USED:

#	Manufacturer	Model	Serial / ID Number	Type	Calibration Date	Calibration Due
1	AEMC Instruments	6526	206152	1kV Megohmmeter	1/10/2023	1/10/2024
2	AEMC Instruments	1045	157545	1kV Megohmmeter	1/10/2023	1/10/2024

TESTED BY: RYAN ORJADA



LV MCC BREAKER / STARTER TEST

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

CUSTOMER OCWRC DATE 7/4/2023 PAGE _____

PLANT Farmington Retention Reservoir AMBIENT TEMP. °F JOB # 719706

SUBSTATION MCC-2 HUMIDITY _____ % ASSET ID _____

EQUIP ID XXXXX Ltg Panel TEST STATUS _____

EQUIPMENT LOCATION _____ WORK ORDER _____

AS FOUND CELL / CUBICLE: _____ Cell 7B REPAIRS NEEDED: No REPAIRS MADE: No READY FOR USE: Yes

AS LEFT CELL / CUBICLE: _____ Cell 7B

MANUFACTURER: General Electric BRKR/FUSE RATING: _____ DATE MAN _____ MODEL/SERIES: _____ 8000 Line

BRKR/FUSE MODEL: _____ INSTRUCTION BOOK: _____ VOLTAGE RATING: 480V STARTER SIZE: _____

CONTROL FUSE: _____ FACTORY ORDER NO. _____ OVERLOADS: _____ CPT VA: _____

Description	INSPECTED	CONDITION CODE/COMMENTS	CLEAN
CUBICLE OVERALL CLEANLINESS	<input type="checkbox"/>		
INSULATING MEMBERS	<input type="checkbox"/>		
MANUAL OPERATIONS	<input type="checkbox"/>		
ARC CHUTES (IF PRESENT)	<input type="checkbox"/>		
CONTROL FUSES	<input type="checkbox"/>		
PILOT LIGHTS AND RESET BUTTON	<input type="checkbox"/>		
RACKING MECHANISM	<input type="checkbox"/>		
BREAKER OPERATING HANDLE	<input type="checkbox"/>		
FINGER CLUSTERS	<input type="checkbox"/>		

CONDITION LEGEND
A = LIKE NEW CONDITION
B = GOOD CONDITION
C = POOR CONDITION NEED CORRECTION
D = CORRECTIONS MADE
E = UNACCEPTABLE CONDITION DO NOT USE
F = DIRTY/REQUIRES CLEANING

ELECTRICAL TESTS

CONTROL WIRING	VDC	<input type="checkbox"/> PASS
MEGGER TEST VOLTAGE	KVDC	
EQUIPMENT TEMPERATURE	DEG C	
20°C CORRECTION FACTOR		

INSULATION RESISTANCE

BREAKER CLOSED		BREAKER OPEN		COMPLETE ASSEMBLY			
A-GROUND	Giga-Ohms	A-A'	Giga-Ohms	A-B'	Giga-Ohms	Reading	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
B-GROUND	Giga-Ohms	B-B'	Giga-Ohms	B-C'	Giga-Ohms	20C	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	
C-GROUND	Giga-Ohms	C-C'	Giga-Ohms	C-A'	Giga-Ohms	20C	
	Giga-Ohms		Giga-Ohms		Giga-Ohms	20C	

FUSE RESISTANCE

A	Milli-Ohms	Reading
	Milli-Ohms	20C
B	Milli-Ohms	Reading
	Milli-Ohms	20C
C	Milli-Ohms	Reading
	Milli-Ohms	20C

CONTACT RESISTANCE

BREAKER CONTACTS		STARTER CONTACTS		COMPLETE ASSEMBLY			
A-A'	Milli-Ohms	A-A'	Milli-Ohms	A-A'	Milli-Ohms	Reading	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
B-B'	Milli-Ohms	B-B'	Milli-Ohms	B-B'	Milli-Ohms	20C	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	
C-C'	Milli-Ohms	C-C'	Milli-Ohms	C-C'	Milli-Ohms	20C	
	Milli-Ohms		Milli-Ohms		Milli-Ohms	20C	

COMMENTS: _____

DEFICIENCIES: _____

TESTED BY: Norman Stangis



Comment Summary Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

Customer <Not specified>

Plant: Farmington Retention Reservoir
 Substation: 480V Switchgear Date: 7/17/2023
 Equip ID: 00097 LVB
 Description: LOW VOLTAGE BREAKER TEST

Comments: SECONDARY TEST SET DOSE NOT TEST INST ON UNIT.
LONG TIME TEST ONLY

Plant: Farmington Retention Reservoir
 Substation: 480V Switchgear Date: 7/17/2023
 Equip ID: 00098 LVB
 Description: LOW VOLTAGE BREAKER TEST

Comments: secondary test sent dose not test inst on unit

Plant: Farmington Retention Reservoir
 Substation: MCC-1 Date: 7/17/2023
 Equip ID: 05177 WWP-03
 Description: LV MCC BREAKER / STARTER TEST

Comments: Phases B & C are swapped after starter.

Plant: Farmington Retention Reservoir
 Substation: MCC-1 Date: 7/17/2023
 Equip ID: 05200 Water Pressure System
 Description: LV MCC BREAKER / STARTER TEST

Comments: CAN NOT CLOSE BREAKER TO COMPLETE FULL P.M TESTING . BREAKER WAS FOUND OFF. ASSUMING ITS BECAUSE IT DOES NOT WORK .

Plant: Farmington Retention Reservoir
 Substation: MCC-1 Date: 7/17/2023
 Equip ID: 05203 Wash Booster P2
 Description: LV MCC BREAKER / STARTER TEST

Comments: MISSING PILOT LIGHT LENSE .



Comment Summary Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

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Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/5/2023

Equip ID: 05140 OCF DAMPER CONTROL

Description: LV MCC BREAKER / STARTER TEST

Comments: Not a starter, breaker feeds control transformer that controls damper with 120 volts thru a relay.

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/6/2023

Equip ID: 05146 SF CB-06

Description: LV MCC BREAKER / STARTER TEST

Comments: Bucket found LOTO.

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/6/2023

Equip ID: 05150 SP1 & SP2 CONTROLS

Description: LV MCC BREAKER / STARTER TEST

Comments: Fused disconnect feeding control transformer.

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/6/2023

Equip ID: 05151 SF CB-09

Description: LV MCC BREAKER / STARTER TEST

Comments: A-PHASE BREAKER CONTACT RESISTANCE SHOWING HIGHER READINGS THEN OTHER PHASES. NOT WITHIN NETA SPEC .

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/6/2023

Equip ID: 05152 SF CB-10

Description: LV MCC BREAKER / STARTER TEST

Comments: CONTACT RESISTANCE NOT WITHIN NETA SPEC



Comment Summary

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

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Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/6/2023
Equip ID: 05155 PRV-7
Description: LV MCC BREAKER / STARTER TEST
Comments: WAS UNABLE TO TEST MCCB .

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/6/2023
Equip ID: 05156 PRV-8
Description: LV MCC BREAKER / STARTER TEST
Comments: C-PHASE COMPLETE ASSEMBLY TEST COULDN'T BE COMPLETED DUE TO NO WIRING FROM BREAKER TO STARTER .
ALSO MISSING FINGER CLUSTERS ON BACK SIDE OF BUCKET .

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/5/2023
Equip ID: 05157 PRV-9
Description: LV MCC BREAKER / STARTER TEST
Comments: STARTER COIL IS OPEN. CANT OPERATE IT. ITS TOAST. WILL PERFORM REMAINING TESTS.

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/4/2023
Equip ID: 05159 Spare Starter 2
Description: LV MCC BREAKER / STARTER TEST
Comments: MISSING CONTROL FUSE . BUCKET PARTS AND FRAME VERY RUSTY.

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/4/2023
Equip ID: 05160 Spare Disc 1
Description: LV MCC BREAKER / STARTER TEST
Comments: BREAKER RELUCTANT TO FULLY CLOSE . WILL HOLD CLOSED AFTER PLAYING W IT SOME BUT BEING DIFFICULT.



Deficiency Summary

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

Customer <Not specified>

Plant: <u>Farmington Retention Reservoir</u>	Date: <u>7/18/2023</u>
Substation: <u>MCC-1</u>	
Equip ID: <u>05175 Spare Starter Cell 1B</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>Starter contact resistance dors not meet NETA specs.</u>	

Plant: <u>Farmington Retention Reservoir</u>	Date: <u>7/18/2023</u>
Substation: <u>MCC-1</u>	
Equip ID: <u>05187 H2O Pump HWP-01</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>contact resistanceis out of neta specs.</u>	

Plant: <u>Farmington Retention Reservoir</u>	Date: <u>7/17/2023</u>
Substation: <u>MCC-1</u>	
Equip ID: <u>05190 PRV-01</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	

Plant: <u>Farmington Retention Reservoir</u>	Date: <u>7/17/2023</u>
Substation: <u>MCC-1</u>	
Equip ID: <u>05191 AHU-1</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	

Plant: <u>Farmington Retention Reservoir</u>	Date: <u>7/17/2023</u>
Substation: <u>MCC-1</u>	
Equip ID: <u>05192 Sump Pump 1</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>STARTER CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	



Deficiency Summary

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

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Plant: <u>Farmington Retention Reservoir</u>	
Substation: <u>MCC-1</u>	Date: <u>7/17/2023</u>
Equip ID: <u>05193 Sump Pump 2</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>STARTER CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	

Plant: <u>Farmington Retention Reservoir</u>	
Substation: <u>MCC-1</u>	Date: <u>7/17/2023</u>
Equip ID: <u>05195 PRV-03</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	

Plant: <u>Farmington Retention Reservoir</u>	
Substation: <u>MCC-1</u>	Date: <u>7/18/2023</u>
Equip ID: <u>05205 PRV-04</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>STARTER CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	

Plant: <u>Farmington Retention Reservoir</u>	
Substation: <u>MCC-1</u>	Date: <u>7/18/2023</u>
Equip ID: <u>05208 Chem Pump CWP-01</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>CONTACT RESISTANCE DOES NOT MEET NETA STANDARDS</u>	

Plant: <u>Farmington Retention Reservoir</u>	
Substation: <u>MCC-2</u>	Date: <u>7/6/2023</u>
Equip ID: <u>05146 SF CB-06</u>	
Description: <u>LV MCC BREAKER / STARTER TEST</u>	
Deficiencies: <u>Breaker contact resistance high on phase A and C.</u>	



Deficiency Summary

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

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Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/6/2023
Equip ID: 05147 SF CB-07
Description: LV MCC BREAKER / STARTER TEST

Deficiencies: Phase to phase insulation resistance very low.

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/6/2023
Equip ID: 05153 SF CB-11
Description: LV MCC BREAKER / STARTER TEST

Deficiencies: CONTACT RESISTANCE NOT WITHIN NETA SPEC

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/4/2023
Equip ID: 05154 SPARE STARTER 1
Description: LV MCC BREAKER / STARTER TEST

Deficiencies: High breaker contact resistance on phases B & C.

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/6/2023
Equip ID: 05155 PRV-7
Description: LV MCC BREAKER / STARTER TEST

Deficiencies: BUCKET WAS FOUND WITH COUNTLESS WIRES NOT LANDED IN THEIR RESPECTIVE LOCATION. STARTER WAS ALSO NOT PROPERLY ATTACHED TO BACK PLATE . ALL LOOSE WIRES HAVE BEEN TAPED UP INCASE BUCKET BECOMES ENERGIZED . BUCKET HAS ALSO BEEN TAGGED FOR SERVICE .

Plant: Farmington Retention Reservoir
Substation: MCC-2 Date: 7/6/2023
Equip ID: 05156 PRV-8
Description: LV MCC BREAKER / STARTER TEST

Deficiencies: BREAKER CONTACT RESISTANCE IS NOT WITHIN NETA SPEC .



Deficiency Summary

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/5/2023

Equip ID: 05157 PRV-9

Description: LV MCC BREAKER / STARTER TEST

Deficiencies: STARTER COIL IS SHOT . NOT WORKING

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/4/2023

Equip ID: 05159 Spare Starter 2

Description: LV MCC BREAKER / STARTER TEST

Deficiencies: STARTER CHATTERING PRETTY BAD WHEN ENRGIZED . LOTS OF RUSTY COMPONETS .

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/5/2023

Equip ID: 05161 Spare Disc 2

Description: LV MCC BREAKER / STARTER TEST

Deficiencies: BREAKER WILL NOT CLOSE FOR TESTING . BREAKER WAS CLEANED

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/5/2023

Equip ID: 05165 Wash Down Valve BFV-6

Description: LV MCC BREAKER / STARTER TEST

Deficiencies: B-PHASE CONTACT RESISTANCE NOT WITHIN NETA SPEC

Plant: Farmington Retention Reservoir

Substation: MCC-2 Date: 7/6/2023

Equip ID: 05166 Sump Pump P1

Description: LV MCC BREAKER / STARTER TEST

Deficiencies: STARTER CONTATC RESISTANCE NOT WITHIN NETA SPEC



Deficiency Summary

Job #719706

ROTOR ELECTRIC COMPANY
9522 GRINNELL
DETROIT MI 48213
(313) 891-0331

PAGE _____

Plant: Farmington Retention Reservoir	Date: 7/5/2023
Substation: MCC-2	
Equip ID: 05168 Wash Down Valve BFV-4	
Description: LV MCC BREAKER / STARTER TEST	
Deficiencies: A-PHASE CONTACTS NOT WITHIN NETA SPEC	

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6K
Submitted by: Charles Eudy, Superintendent		
Agenda Topic: Highway Maintenance Contract Administrator Designations		
Proposed Motion: Move to approve the Farmington Clerk, Meaghan Bachman as the Michigan Department of Transportation State Trunkline Maintenance Contract Administrator, Public Works Superintendent, Charles Eudy as the Highway Maintenance Foreman as described with the Contract.		
Background: The five year Michigan Department of Transportation (MDOT) State Trunkline Maintenance Contract will be up for renewal October 2024. A new requirement of this and future contracts will be to designate the City Clerk, Meaghan Bachman as the Contract Administrator as defined in the statement below. MDOT requires a specific person to be named. <i>The Municipality hereby designates _____ as Contract Administrator on state trunkline highways, who will be responsible for budget and the administration of the Contract. The Municipalities' title for this position is _____ . In the event the Municipality desires to replace the Contract Administrator, the Municipality will notify MDOT within (30) days of the change in writing.</i> The Public Works Superintendent, Charles Eudy will be named as "Highway Maintenance Foreman". <i>The Municipality hereby designates _____ or others functioning in the same capacity as Highway Maintenance Foremen, hereinafter referred to as the "Foremen", who will oversee all work covered by this Contract and be responsible to the Contract Administrator. The Municipality will notify MDOT in writing within (30) days of any change in the above personnel. The Municipality will be reimbursed for actual time worked by the Foremen on state trunkline Highway maintenance when supported by daily timecards signed by their immediate supervisor or electronic timekeeping approved by their assigned supervisor subject to the provisions of Subsection 16(B).</i> Public Works documents all time, materials, and equipment used for the maintenance of Grand River within the BS&A Time Sheets Program. The Treasurers Department and Public Works Departments uses information from the Time Sheets program for the Quarterly Reports and Monthly Winter Maintenance Reports. Approval of the MDOT State Trunkline Contract will presented to City Council later this year.		
Materials: Michigan Department of Transportation State Trunkline Maintenance Contract		

MICHIGAN DEPARTMENT OF TRANSPORTATION
STATE TRUNKLINE MAINTENANCE CONTRACT
MUNICIPALITY

This Contract made and entered into by and between the Michigan Department of Transportation (MDOT), and the MUNICIPALITY, a Michigan municipal corporation (Municipality).

RECITALS:

MDOT is authorized by 1925 PA 17 Section 2, MCL 250.62 to contract with the Municipality for the construction, improvement, or maintenance of state trunkline highways and appurtenant facilities. MDOT, subject to the approval of the State Administrative Board; and

MDOT has affirmatively found that contracting with this Municipality for the maintenance of state trunkline highways and bridges within its contract area, is in the best public interest: and

MDOT has so advised the State Transportation Commission and the Appropriations Committees of the Senate and House of Representatives in accordance with 1951 PA 51 Section 11c, MCL 247.661c; and

The parties agree as follows:

SECTION 1. SCOPE OF WORK

- A. Services Provided: For the term of this Contract, the Municipality agrees to maintain the state trunk line highways and, if applicable, appurtenant facilities within the Contract Area by performing maintenance work. Maintenance work will be performed under the direction of the Region Engineer of MDOT or a designee of the Region Engineer, acting under the general direction of the Engineer of Transportation Systems Management and Operations (TSMO) of MDOT. Work performed under this Contract will be performed in accordance with accepted maintenance practices and/or specifications provided by MDOT as identified in a written Letter of Understanding. For maintenance work not covered by the Field Activity Budget, a Transportation Work Authorization (TWA) will be issued by the Region Engineer.
1. A written Letter of Understanding shall be drafted by MDOT and signed by both MDOT and the designated representative of the Municipality. The letter shall

remain in effect until either replaced or modified by the Region Engineer and approved by the Municipality. The letter will outline the number and type of maintenance activities to be performed under this Contract (A sample Letter of Understanding is attached as Appendix F). The Letter of Understanding shall provide sufficient detail of the work activities to be performed, expectations or outcomes from the performance of this work, and identification of budget line items for budgeting and billing purposes. Attachment G (Municipality Firm Unit Prices) and H (Municipality Snow Hauling Calculation Form) will be attached to the Letter of Understanding.

2. The executed Letter of Understanding and all subsequent approved revisions thereto, are incorporated herein by reference as if the same were repeated in full herein.
 3. If the Municipality is unable to perform any of the services outlined in the Letter of Understanding on a twenty-four (24) hour, seven (7) day-a-week basis, the Municipality will immediately notify MDOT. MDOT will work with the Municipality to ensure that the services defined in the Letter of Understanding are performed.
 4. The Municipality and MDOT may agree to include additional maintenance items to be covered under this Contract. Such items may include, but are not limited to, maintenance of traffic control devices (signals), freeway lighting and intelligent traffic systems (ITS). All such work will be listed in the Letter of Understanding, as set forth in Appendix F, included in the line item budget and defined in a supplemental scope.
 5. The Municipality shall be responsible for providing all traffic control necessary to complete the work as outlined in this Contract unless otherwise agreed to by MDOT.
 6. The Municipality and MDOT may enter into separate agreements for the shared payment of installation, maintenance, and energy costs for traffic control devices.
- B. Specifications and Performance: The Municipality will provide personnel, equipment, materials, and facilities to perform the maintenance work under the terms of this Contract in a manner consistent with MDOT's established guidelines for winter and non-winter maintenance activities.

The Municipality shall perform all maintenance work under this Contract in accordance with accepted maintenance practices and/or specifications provided by MDOT and in accordance with the approved Budget and annual Work Plan.

When MDOT recognizes that a certain maintenance activity, is not in compliance with accepted maintenance practices and/or specifications, it will, within sixty (60) days of the billing of work, issue a written notice to the Municipality. Upon issuance of the first written

notice, MDOT will work with the Municipality to develop a corrective action plan. Once both MDOT and the Municipality are satisfied with the corrective action plan, MDOT and the Municipality will approve the plan for implementation. MDOT will reimburse the Municipality for the cost of the non-compliant work. Once the corrective work is completed in accordance with the corrective action plan, the Municipality will submit the cost for the corrective work for full reimbursement by MDOT. The Municipality agrees that if corrective work is not in accordance with the corrective action plan, the Municipality will not invoice MDOT for the non-compliant corrective work.

If MDOT determines that the corrective work is not in compliance with the corrective action plan, within thirty (30) days it will issue a second written notice to the Municipality describing the unacceptable corrective work, the reason for rejection, and include a written copy of MDOT's maintenance practices and/or specifications, if applicable. Work not meeting the corrective action plan will be corrected by the Municipality in accordance with the second written notice and the previously approved corrective action plan, without additional charge to MDOT. If MDOT, upon completion of the Municipality's second attempt to correct the non-compliant work, determines that the work is still not in compliance, MDOT will have the non-compliant work corrected by other means at MDOT's expense and the Municipality will reimburse MDOT for such expense through Maintenance Local Agency Payment System (MLAP). If there is a disagreement between MDOT and the Municipality regarding whether or not the corrective work meets MDOT's maintenance practices and/or specifications, the Municipality may request the Dispute Resolution Process as outlined in Section 26.

- C. Permits: At the request of the Region Engineer, the Municipality may agree to inspect work performed by permit or otherwise assist MDOT with permits. In such event:
1. MDOT will require all Permit Applicants to "save harmless" the State of Michigan, Transportation Commission, MDOT, and all officers, agents, and employees thereof, and the Municipality, their officials, agents, and employees, against any and all claims for damages arising from operations covered by the permit as a condition of all permits issued by MDOT.
 2. MDOT will further require Permit Applicants to provide Commercial general liability insurance, including coverage for contractual liability, completed operations, and/or product liability, X (Explosion), C (Collapse), & U (Underground), and a contractor's protective liability policy with a blasting endorsement when blasting is involved, or Commercial general liability insurance which includes all the above, naming as additional parties insured on all such policies, the State of Michigan, Transportation Commission, MDOT, and all officers, agents, and employees thereof, the Municipality their officials, agents, and employees. The Permit Applicant will provide written proof of the insurance to MDOT. MDOT may waive this requirement for permits issued to governmental entities or public utilities.

3. The amounts of such insurance will be no less than:

Commercial General Liability Insurance:

The minimum limits shall be \$1,000,000 each occurrence and \$2,000,000 aggregate.

Combined single limit for bodily injury and property damage liability shall be \$1,000,000 each occurrence.

The insurance limits above may be attained through an umbrella policy.

- D. Transportation Work Authorizations: TWA's may be issued by the Region Engineer for both Maintenance work and non-maintenance work. This work may be performed by the Municipality, or a subcontractor as set forth in Section 9 of this Contract. TWA's will be performed in accordance with MDOT's accepted maintenance practices and specifications and as required in the TWA. The Municipality will provide the necessary supervision or inspection to ensure that the work is performed in accordance with the TWA. In the event the Region Engineer finds the work performed not in compliance with MDOT's accepted maintenance practices or the specifications on the TWA, then the corrective action specified in Subsection 1 (B) will be followed.
- E. The Region Engineer is authorized to issue written orders, as necessary, for the performance of maintenance work under the provisions of this Contract.

Michigan Department of Transportation

SECTION 2. RESERVED FOR FUTURE USE

SECTION 3. INTEGRATION OF STATE AND MUNICIPAL WORK

The Municipality will furnish qualified personnel and adequate equipment and may furnish materials, as set forth in this Contract, as needed to perform maintenance on state trunkline highways, consistent with MDOT's established core level of service for winter and non-winter maintenance activities, an approved annual budget, work plan, and work schedule. Personnel and equipment may be used on the local road system and state trunkline highways as conditions warrant.

SECTION 4. HIGHWAY MAINTENANCE CONTRACT ADMINISTRATOR

The Municipality hereby designates _____ as Contract Administrator on state trunkline highways, who will be responsible for budget and the administration of the Contract. The Municipalities’ title for this position is _____. In the event the Municipality desires to replace the Contract Administrator, the Municipality will notify MDOT within (30) days of the change in writing.

SECTION 5. SUPERVISION

The Municipality hereby designates _____ or others functioning in the same capacity as Highway Maintenance Foremen, hereinafter referred to as the “Foremen”, who will oversee all work covered by this Contract and be responsible to the Contract Administrator. The Municipality will notify MDOT in writing within (30) days of any change in the above personnel. The Municipality will be reimbursed for actual time worked by the Foremen on state trunkline Highway maintenance when supported by daily timecards signed by their immediate supervisor or electronic timekeeping approved by their assigned supervisor subject to the provisions of Subsection 16(B).

SECTION 6. WAGE SCHEDULE

Wages paid by the Municipality for work on state trunkline highways will be the same as on street work for the Municipality. A copy of the union agreement or HR Wage Schedule will be provided to MDOT upon request.

No “stand by at home” pay will be included in charges for work on state trunkline highways.

MDOT will reimburse the Municipality for Direct Labor Overhead costs on all labor costs properly chargeable to MDOT, including but not limited to, vacation, sick leave, holiday pay, workers’ compensation, retirement, social security, group life insurance, hospitalization, longevity, unemployment insurance, and military leave, hereinafter referred to as “EMPLOYEE BENEFITS,” in accordance with Section 16.

SECTION 7. MATERIALS TO BE ACQUIRED AND SPECIFICATIONS

Material necessary for the performance of this Contract, may be purchased by the Municipality unless otherwise directed by the Region Engineer. The Municipality will advertise and receive competitive bids when such purchases exceed Ten Thousand Dollars (\$10,000.00), or if required by federal or state law. The Municipality shall select the lowest qualified bid.

The Municipality will retain documentation that such bids were taken. Failure to retain documentation that such bids were taken may result in denial of reimbursement of the costs of such materials.

The following materials: bituminous pre-mixed materials, bituminous materials, aggregates (except ice control sand), bulk salt and traffic control devices used on state trunkline highways by the Municipality, will conform to current or supplemental specifications of MDOT, unless otherwise approved in advance by the Region Engineer. The Region Engineer may require approval by MDOT’s Construction Field Services Division, or by a laboratory approved by the Construction Field Services Division. Copies of approvals will be placed on file in the offices of the Municipality and the Region Engineer. If MDOT-owned materials are stored jointly with Municipality-owned materials, proper and adequate inventory records must be maintained by the Municipality clearly indicating the portion that is MDOT-owned.

SECTION 8. PRICE SCHEDULE OF MATERIALS AND SERVICES

Materials produced and/or supplied by the Municipality may be furnished at a firm unit price subject to approval of source and price by the Region Engineer. Firm unit prices are not subject to unit price adjustment by review/audit. The term “review/audit” hereafter will be referred to as “review”.

The Municipality may change, add, or delete firm unit prices when requested in writing and approved by the Region Engineer at least sixty (60) days prior to the effective date of the change, addition, or deletion. All changes will be submitted with the Firm Unit Prices form, Appendix G.

_____ No, Firm Unit Price items will not be used.

_____ Yes, Firm Unit Price items will be used.

MDOT may review all records necessary to assess the accuracy of the material quantities for all materials on the Firm Unit Price List for which the Municipality requests reimbursement.

Items purchased from a vendor source or vendor stockpile for direct use on the state trunkline highways are not eligible for firm unit price consideration and should be billed at vendor pricing.

Reimbursement for all materials supplied by the Municipality which are not included in the firm unit price schedule will be reimbursed in accordance with Section 16(E). MDOT may review all records for materials purchased from a vendor source or vendor stockpile for direct use on state trunkline highways.

SECTION 9. SUBCONTRACTS

The Municipality may subcontract any portion of the work to be performed under this Contract. Bidding/price solicitation and subcontracts will comply with applicable law and conform to the Municipality's contracting process except as modified herein. All subcontracted work will require the Municipality to submit a Quotation Request for Services or Equipment (Form 426) along with relevant bid and contract documents and bid or quote tabulation.

All subcontracted work will be performed in accordance with the established Scope of Work outlined on Form 426 and any specifications developed by the Municipality and/or MDOT for the subcontracted work. The scope of work and any specifications must be approved by the Region Engineer. The Municipality will provide the necessary supervision or inspection to assure the subcontracted work is performed in accordance with the scope of work and specifications. At no time will the Municipality pay for subcontracted work until the work has been inspected and approved by the Municipality for compliance with the scope of work and specifications.

Emergency work will be subcontracted based on a verbal approval given by the Region Engineer. The work must be supported by the submission of a Form 426 and summary of emergency work within 15 days of completion.

The parties agree to extend the terms of the Contract if subcontracted work is incomplete at the conclusion of the Contract term. This provision shall not apply if this Contract is terminated by the Municipality or MDOT. In situations where this Contract is terminated by the Municipality or MDOT, all subcontracts shall be deemed terminated as of the date the Contract is terminated. The Municipality must incorporate this provision into all subcontracts.

County and/or Municipality-based advantage programs, hereinafter the "CBA Process", or any type of preference program which awards contracts based on criteria other than low bid through the competitive bidding process, may not be used for any work under this Contract.

Failure to obtain the necessary approvals or to retain the documentation that the bids, prices, or rate quotations were solicited as required in this section may result in a denial of the reimbursement of the costs.

The term of any subcontract will not exceed five (5) years including any extensions.

For subcontracts involving the items of Drainage Structure Cleanout, Curb Sweeping, and Area Mowing, the Municipality will include a cancellation clause that will allow the Municipality to cancel the subcontract if funds are not made available by MDOT.

All Subcontracts shall be awarded to the lowest qualified bid. Subcontract solicitation and approval process will be as follows:

- A. **Subcontracts less than \$25,000:** The Municipality will solicit either a bid price, or rate quotation from three or more qualified sources. Documentation of solicitation from all qualified sources must be retained. Region Engineer approval of Form 426 is required.
- B. **Subcontracts \$25,000 or greater:** The Municipality will advertise and award by competitive bid. Advertisements must clearly define the scope of work, performance specifications, MDOT contract terms, and the location of work to be performed. Documentation of the solicitation from all qualified sources must be retained. Region Engineer approval of Form 426 is required.

State Administrative Board requirements for Contracts and Amendments (previously referred to as overruns, extra work and adjustments), are outlined and set forth in Appendix E, attached hereto and made a part hereof.

SECTION 10. NON-DISCRIMINATION

In connection with the performance of maintenance work under this Contract, the Municipality (hereinafter in Appendix C referred to as the “Contractor”) agrees to comply with the State of Michigan provisions for “Prohibition of Discrimination in State Contracts,” as set forth in Appendix C, attached hereto and made a part hereof. The Municipality further covenants that it will comply with the Civil Rights Act of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6 and will require similar covenants on the part of any contractor or subcontractor employed in the performance of this Contract.

SECTION 11. ANTI-KICKBACK

No official or employee of the Municipality or of the State of Michigan will receive remuneration (directly or indirectly) for the purchase of materials, supplies, equipment, or subcontracts in connection with the performance of this Contract.

SECTION 12. SCOPE OF CONTRACT

It is declared that the work performed under this Contract is a governmental function which the Municipality performs for MDOT. This Contract does not confer jurisdiction upon the Municipality over the state trunkline highways encompassed by this Contract or over any other state trunkline highways. This Contract may not be construed to confer temporary or concurrent jurisdiction upon the Municipality over a state trunkline highway. Nothing inconsistent with the underlying statutory jurisdiction, duties, prerogatives, and obligations of MDOT is herein intended. The parties hereto further declare that this Contract is not made for the benefit of any third party.

SECTION 13. INSURANCE

- A. The Municipality will furnish MDOT with a certificate of automobile liability insurance, which complies with the No-Fault Automobile Insurance laws of the State of Michigan, MCL 500.3101, *et seq.* The Insurance coverage will include vehicles owned, leased or rented by the Municipality. Such insurance will not be less than Two Hundred and Fifty Thousand Dollars (\$250,000.00) for bodily injury or death of any one person. Coverage for public liability, property damage, and combined single limit will also comply with the No-Fault Automobile Insurance laws of the State of Michigan. The Municipality will provide thirty (30) days' notice to MDOT prior to cancellation, termination, or material change of the policy. The certificate of said insurance, on MDOT Form 428 (Certificate of Insurance for State Highway Maintenance Contract) covering public liability and property damage, indicating thereon the policy number, and the aforesaid thirty (30) days' notice provisions and the limits of liability, will be submitted to MDOT. The Municipality agrees to review its insurance programs with its statewide association in an effort to obtain cost savings and efficiency for MDOT.

If the Municipality is self-insured, a copy of the Secretary of State's Certificate of Self-insurance will be submitted.

- B. In the event the Municipality receives a Notice of Intent to File Claim and/or any complaint filed by a person seeking to recover damages from the Municipality for its alleged acts or omissions on a state trunkline highway, the Municipality will provide a copy of such notice to the Assistant Attorney General, within fifteen (15) days of receipt of said notice or complaint. The Notice of Intent to File Claim and/or any complaint filed by a person seeking to recover damages from the Municipality will be sent to:

Assistant Attorney General
Division Chief
Transportation Division
Van Wagoner Building - 4th Floor
425 West Ottawa Street
P.O. BOX 30050
Lansing, Michigan 48909

Thereafter, the Municipality will provide copies of pleadings and other information regarding the claim or lawsuit when requested by an Assistant Attorney General

SECTION 14. WORKERS' DISABILITY COMPENSATION

The Municipality will comply with the Michigan Workers' Disability Compensation Act, MCL 500.3400, *et seq.* for all employees performing work under this Contract.

SECTION 15. BUDGET

Each MDOT fiscal year, the Region Engineer will prepare separate budgets for winter and non-winter maintenance in accordance with MDOT guidelines. The Region Engineer, in consultation with the Municipality, shall develop an annual Work Plan which shall include non-winter maintenance activities, a proposed schedule, and the estimated cost for such activities. The sum of those estimated costs will constitute the non-winter Budget and will be distributed monthly in accordance with the proposed schedule.

MDOT agrees that, once established, the fiscal year non-winter maintenance will not be reduced, except as otherwise provided in this Contract. The Budget for winter maintenance activities will be based on a five-year (5) average of winter expenditures which includes the costs for labor, fringe benefits, equipment, MDOT Salt Stores, Municipality-supplied road salt, winter sand, other de-icing chemicals and overhead. Notwithstanding the foregoing, MDOT will establish a statewide holdback fund amount not to exceed thirty percent (30%) of the five (5) year winter average. The statewide holdback funds will be used to cover Winter Overruns of the Municipality, other contract road agencies, and MDOT direct forces. The statewide holdback funds will also be used to pay any budget review adjustments owed to contract agencies. MDOT will distribute any remaining funds in the statewide holdback to contract agencies and MDOT direct forces based on a prioritization of statewide non-winter maintenance needs.

The Region Engineer and the Municipality will review the non-winter maintenance Budget together at least every other month. Any adjustments to the proposed work plan to curtail or expand operations will be addressed in this Budget review. During winter operations,

the winter Budget will be reviewed by the Region Engineer and the Municipality every month to conduct the same review.

MDOT and Municipality will meet between March 1 and May 15 of each fiscal year to develop a supplemental summer program. The supplemental summer program will be funded by the remainder of the winter Budget, if any. The work activities proposed in the supplemental summer program will be prioritized to support MDOT's preservation strategy. The remainder of the winter Budget will be released to the Municipality two weeks after the final bill is received by MDOT covering the winter season as defined in the Winter Letter of Understanding.

If the Municipality's winter overruns (including benefits and overhead) exceed MDOT's winter budget and holdback funds statewide, MDOT will seek additional funding to address the overruns including a supplemental appropriation from the State Budget Office. MDOT reserves the right to reduce the non-winter maintenance Budget if efforts to secure additional funding are unsuccessful.

SECTION 16: REIMBURSEMENT SCHEDULE

MDOT will reimburse the Municipality for costs incurred in the performance of the work covered by this Contract, except as set forth in Sections 18, 19, 20, and 21. To be eligible for reimbursement under this Section, costs must be submitted to MDOT's Maintenance Local Agency Payment (MLAP) system prior to the start of the review for each respective year of the Contract period.

- A. Requests for reimbursement shall be made through MLAP at least bi-monthly (every other month) on the basis of certified statement of charges prepared and submitted by the Municipality within fifteen (15) days from the end of each bi-monthly period. Costs submitted beyond sixty (60) days from the end of each bi-monthly period will include written justification for the delay and will be paid only upon approval of the Region Engineer. Municipalities with a line-item budget contract of \$100,000 or greater **shall** submit request for reimbursement on a **monthly** basis.
- B. MDOT will reimburse the Municipality for the cost of all labor employed in the performance of this Contract. The reimbursement will include the expense of permit inspections, field and office engineering, and reviewing expenses in connection with force account work by subcontractors.
- C. MDOT will reimburse the Municipality for the cost of MDOT's share of the cost of EMPLOYEE BENEFITS as referred to in Section 6 as a percentage of payroll. The percentage shall be developed using MDOT Form 455M (Report of Employee Benefit Costs for the Municipality) and shall conform with the general accounts of the Municipality on the Municipality's previous fiscal years' experience. These charges are subject to review in accordance with Section 25.

- D. MDOT will reimburse the Municipality for the cost of MDOT's share of the actual cost of Municipality owned or purchased energy.
- E. MDOT will reimburse the Municipality for the cost of purchased bulk (measured by volume or weight) materials and Non-Bulk (measured by area or count) material used in the performance of this Contract. The Municipality shall deduct all discounts or rebates in excess of two percent (2%), to establish the reimbursed cost.
- F. MDOT will reimburse the Municipality for the cost of handling materials furnished by the Municipality and materials furnished by MDOT as follows:
1. **Bulk Items (measured by volume or weight):**
The direct expenses of handling, such as unloading, processing, stockpiling, heating, or loading for materials in bulk, bags or drums such as aggregates, bituminous materials and chemicals, on condition that reimbursement of such expenses is not provided elsewhere herein, and these costs can be identified within the records of the Municipality. When bulk items intended for use on the state trunkline are co-mingled with the Municipality's materials for their local roads, MDOT will only reimburse the Municipality for the cost of handling the portion expected to be used on the state trunkline highways. The Municipality will establish a rate of use annually, based on the previous year's use to identify MDOT's share of handling cost. The Municipality's established rate is subject to adjustment by review.
 2. **Non-Bulk Items (measured by area or count):**
A five percent (5%) handling and storage charge may be added to the purchase price of all materials measured by area or count provided such materials are stocked in and distributed from approved storage facilities. When reported by the Municipality, charges for handling and storage in excess of five percent (5%) will be reimbursed to the Municipality upon review, provided that these charges can be identified and supported within the records of the Municipality.
- G. Equipment owned by the Municipality will be reimbursed at the established rental rates found in Schedule C, Report 375 Equipment Rental Rates, issued annually by MDOT. Rented equipment will be reimbursed at actual cost for the equipment rental.
- H. MDOT will reimburse the Municipality for the amounts paid by the Municipality to a subcontractor as set forth in Section 9.
- I. MDOT will reimburse the Municipality for the cost of labor, materials, and equipment rental incurred in connection with engineering, supervision, and inspection of subcontract work.

J. Overhead in Accordance with Attached Overhead Schedule.

MDOT will reimburse the Municipality for overhead costs at the appropriate percentage rate as indicated in Appendix B. The overhead rate shall be based upon the original annual budget established for the Municipality and shall not change.

The overhead amount payable under Section 16(I) is reimbursement to the Municipality for all costs and expenses arising out of the performance of this Contract not specifically described in other sections of this Contract. This reimbursement includes salary and expenses (including transportation) of the Foreman (except as noted in Section 16(K)), salaries of clerical assistants, including radio communication staff, office expense, storage rentals on Municipality owned property, and the cost of small road tools. Work tools without a power assist and used in a road or a bridge maintenance activity, are considered small road tools. Small road tools do not have an equipment rental rate listed in Schedule C, Report 375, Equipment Rental Rates. Small road tools are reimbursed as an overhead cost.

K. MDOT will reimburse the Municipality for MDOT'S pro-rata share of the cost to maintain chemical storage facilities as provided for in the chemical storage facility contracts between the Municipality and MDOT.

L. The Municipality will be reimbursed as a direct cost for work performed by the Foreman making regular inspections of state trunkline highways in accordance with written instructions from the Region Engineer. This time shall be specifically recorded on daily time sheets and reported as a direct labor charge.

It is further agreed that in smaller municipalities, the Foreman designated above may at times be engaged in tasks other than those of a strictly supervisory nature, such as operator of a truck or other highway equipment. The Municipality may be reimbursed for this time worked on state trunklines, provided that all such time for non-supervisory work is specifically recorded on the daily time sheet and reported on the Maintenance Payroll Report Form 410A. The exact dates on which the Maintenance Superintendent so worked, the number of hours worked, and the number of hours worked under each classification shall be indicated on the Maintenance Payroll Report Form 410A. **The completed Form 410A shall be uploaded to MDOT's MLAP system.**

SECTION 17: ELECTRONIC FUNDS TRANSFER

Public Act 533 of 2004 requires that payments under this Contract be processed by electronic funds transfer (EFT). The Municipality is required to register to receive payments by EFT at the SIGMA Vendor Self Service (VSS) website (www.michigan.gov/SIGMAVSS).

SECTION 18: SNOW HAULING

MDOT will share in the cost of snow hauling if each snow hauling effort is approved by the Region Engineer. The frequency (annually, each storm, etc.) will be at the discretion of the Region Engineer and will be detailed in the Letter of Understanding. The Municipality should denote snow hauling charges as Activity 149, Other Winter Maintenance, on Trunk Line Maintenance Reports. Prior written authorization from the Region Engineer shall be required for each snow haul event outside the parameters in the Letter of Understanding and shall be kept on file for review purposes.

MDOT'S share of snow hauling will be calculated on the Municipality Snow Hauling Calculation Form, Appendix H. The completed form will be submitted to the Region Engineer. The snow hauling percentage will be based on the ratio of the width of area designated for traffic movement to the width of the total area agreed upon for snow hauling. MDOT is not responsible for snow removal in parking lanes or sidewalks and will subtract the area of parking lanes and sidewalks from the total area of the state trunkline highway right-of-way to determine the area designated for traffic movement.

MDOT'S reimbursement for snow hauling from state trunkline highways will be paid at the below percent of actual charges supported by proper documentation.

_____ percent (%)

The Municipality agrees that it will prohibit additional snow from being deposited on the highway right-of-way from side streets.

SECTION 19: PAVEMENT MARKING

Compensation for the item of Special Markings Paint & Tape will be made on the basis of actual expenditure only, except in no case will the Municipality be compensated for a total expenditure in excess of the amount designated for Special Markings Paint & Tape in the Line Item Budget for the appropriate MDOT fiscal year. Compensation for Special Markings Paint & Tape is limited to only painting authorized by the Region Engineer. The Municipality shall not include charges for curb painting in the routine maintenance cost for state trunkline maintenance.

SECTION 20: COMPENSATION FOR AESTHETIC WORK ITEMS

Compensation for the items of Curb Sweeping, Area Mowing and Litter Pickup will be made on the basis of actual expenditures only, except that in no case will the Municipality be compensated for a total expenditure in excess of the budget amount designated each of these three work activities on the Summary of the Field Activity Budget for the appropriate MDOT fiscal year.

The number of work operations for each of these three activities will be agreed upon between the Municipality and Region Engineer; and reflected in each line activity budget amount.

SECTION 21: TREES AND SHRUBS

Except for emergency work, the Municipality must request MDOT’S written approval to remove dead trees and/or trim trees prior to the start of work. MDOT will pay all costs to remove dead trees. MDOT and Municipality shall equally share costs when state and local forces combine efforts to trim trees within the trunkline right-of-way as approved by the Region Engineer.

SECTION 22: EQUIPMENT LIST

The Municipality will furnish MDOT a list of the equipment it uses during performance under this Contract, on MDOT form 471 (Equipment Specifications and Rentals.) This form shall be uploaded to the Files page in MDOT’s MLAP system.

SECTION 23: RECORDS TO BE KEPT

- A. The Municipality will establish and maintain accurate records, in accordance with generally accepted accounting principles of all expenses incurred for which payment is sought or made under this Contract, said records to be hereinafter referred to as the “RECORDS.” Separate accounts will be established and maintained for all costs incurred under this Contract. The Municipality will retain the following RECORDS, and others, in accordance with generally accepted accounting principles:
 - 1. Retain daily timecards or electronic timekeeping files for employees and equipment indicating the distribution of time to route sections and work items. Daily timecards must be signed by the employee, the immediate supervisor and by the timekeeper when the timekeeper is employed. If the Municipality uses crew-day cards, it will

retain crew-day cards backed by a time record for the pay period signed as above, in lieu of daily individual timecards detailing the time distribution. If the Municipality uses electronic timekeeping, it will retain data files detailing time distribution and assigned supervisor approval.

2. Retain properly signed material requisitions (daily distribution slips) which indicate type of material, quantity, units of measure, the date of distribution and the distribution to route sections and work items.
3. Retain additional cost records to support and develop unit cost charges and percentages as applied to invoice costs. Cost records are not necessary in support of the overhead percentage or the five percent (5%) handling charge.

- B. The Municipality will maintain the RECORDS for at least three (3) years from the date of MDOT'S receipt of the statement of charges for the quarter ending September 30 of each year of this Contract period. In the event of a dispute regarding allowable expenses or any other issue under this Contract, the Municipality will thereafter continue to maintain the RECORDS at least until that dispute has been finally decided and the time for all available challenges or appeals for that decision has expired.

The Municipality will maintain all RECORDS supporting equipment usage from the time of equipment purchase to disposal to support any gain or loss from equipment disposed.

Representatives of MDOT may inspect, copy or review the RECORDS at any mutually acceptable time. However, the Municipality cannot unreasonably delay the timely performance of the review.

SECTION 24: COST CERTIFICATION, REIMBURSEMENT AND ADJUSTMENT

The Municipality hereby certifies that, to the best of the Municipality's knowledge, the costs reported to MDOT for this Contract will represent only those items which are properly chargeable in accordance with the Contract. The Municipality also hereby certifies that it has read the Contract terms and is aware of the applicable laws, regulations, and terms of the Contract that apply to the reporting of costs incurred under the terms of this Contract.

SECTION 25: CONTRACT REVIEW AND RESPONSE

- A. The Municipality's records will be subject to review within the statute of limitations, and the review period will coincide with the Municipality's fiscal year, unless the Contract is terminated or not renewed.

Charges by the Municipality for maintenance of state trunkline highways and authorized non-maintenance work performed under this Contract will not be adjusted (increased or decreased) by review after twenty-four (24) months subsequent to the date of MDOT'S receipt of certified statement of charges for the quarter ending September 30 of each year of this Contract period. This limitation will not apply in case of fraud or misrepresentation of material fact or if mutually agreed to in writing.

The firm unit prices for aggregates and bituminous materials that are processed and furnished by the Municipality will not be subject to adjustment.

If any adjustments are to be made, the Municipality will be notified of the tentative exceptions and adjustments within the above twenty-four (24) month period. The twenty-four (24) month period is intended only as a limitation of time for making adjustments and does not limit the time for payment of such amounts. In the event that a review performed by or on behalf of MDOT indicates an adjustment to the costs reported under this Contract or questions the allowability of an item of expense, MDOT will promptly submit to the Municipality a Notice of Review Results and a copy of the Review Report, which may supplement or modify any tentative findings communicated to the Municipality at the completion of a review.

- B. Within sixty (60) days after the date of the Notice of Review Results, the Municipality will submit to MDOT a written response, hereinafter referred to as the "Response", to the Notice of Review Results indicating one of the following options:
1. The Municipality concurs with the Notice of Review Results and will either repay the amount of any overpayment to MDOT and/or or be reimbursed the amount of any underpayment by MDOT.
 2. The Municipality does not concur with Notice of Review Results. The "Response" will explain the nature and basis for any disagreement as to a disallowed item of expense, and/or,
 3. The "Response" will include a written explanation as to any questioned item of expense. The "RESPONSE" will be clearly stated and provide any supporting documentation necessary to resolve any disagreement or questioned item of expense. Where the documentation is voluminous, the Municipality may supply appropriate excerpts and make alternate arrangements to conveniently and reasonably make that documentation available for review by MDOT. The RESPONSE will refer to and apply the language of the Contract.
 4. The Municipality agrees that failure to submit a RESPONSE within the sixty (60) day period constitutes agreement with any disallowance of an item of expense and authorizes MDOT to make a final decision to either allow or disallow any items of questioned cost.

MDOT will review submitted RESPONSE and attached documentation from the Municipality. MDOT will reply in writing acknowledging receipt of the Municipality RESPONSE. The submitted RESPONSE and attached documentation from the Municipality will be referred to the MDOT Appeal Panel. See Section 26, “Dispute Resolution Process”.

SECTION 26: DISPUTE RESOLUTION PROCESS

A. Contract Disputes

For review disputes refer to Section 26 (B) below, all other disputes between the parties shall be resolved under the terms of this section. It is the intent that each party may communicate concerns relative to the contract and resolve any issues as they arise. After a contract issue has been resolved, a summary of the agreed upon resolution shall be jointly drafted and distributed. Some issues may require ongoing communication to resolve and may become an item for negotiation during the next review and renegotiation of the Contract.

If the parties are unable to resolve any dispute, the parties must meet with the Engineer of TSMO or designee. The following are steps to resolve the dispute without the need for formal legal proceedings:

- 1) The representative of the Municipality and MDOT must meet as often as the parties reasonably deem necessary to gather and furnish to each other all information with respect to the matter at issue which the parties believe to be appropriate and germane in connection with the dispute. The representatives shall discuss the problem and negotiate in good faith in an effort to resolve the dispute without the necessity of any legal proceeding.
- 2) During negotiations, all reasonable requests made by one party to another for non-privileged information reasonably related to the Contract shall be honored in order that each of the parties may be fully advised of the other’s position.
- 3) The specific format for the discussions shall be left to the discretion of the designated Municipality and MDOT representatives but may include the preparation of agreed upon statement of fact or written statements of position.
- 4) Statements made by the Municipality or MDOT during Dispute Resolution may not be introduced as evidence by either party in any judicial action related to or under this Contract.
- 5) In cases where disputes have not been resolved, any remaining issues will be referred to the MDOT Appeal Panel which consists of four Bureau Directors, three of which will constitute a quorum.

- 6) Every effort will be made to complete this process within 90 calendar days by both parties.

B. Review Disputes

For review disputes the submitted “Response” and attached documentation from the Municipality will be referred to the MDOT Appeal Panel. The Appeal Panel consists of four Bureau Directors, three of which will constitute a quorum.

- 1) MDOT will provide the Municipality with an opportunity to appear before the Appeal Panel to explain and support their Response.
- 2) After an Appeal Panel written decision, the Municipality will either accept the decision or file a lawsuit in a court of proper jurisdiction to contest MDOT’s decision. The filing of a lawsuit must be initiated by the Municipality within thirty (30) days of the receipt of the Appeal Panel’s written decision. MDOT will not withhold or offset the funds in dispute if the Municipality files a lawsuit in a court of proper jurisdiction.
- 3) If the Municipality fails to repay an overpayment or reach an agreement with MDOT on a repayment schedule within the thirty (30) day period, the Municipality agrees that MDOT will deduct all or a portion of an overpayment from any funds due the Municipality by MDOT under the terms of this Contract.
- 4) Every effort will be made to complete this process within 60 calendar days by both parties.

This section shall not be construed to prevent either party from initiating, and a party is authorized to initiate, an action for breach of this Contract or for any other relief allowed by law earlier to avoid the expiration of any applicable limitations period, to preserve a superior position with respect to the other party, or under Injunctive Relief below. If a dispute is not resolved through the Dispute Resolution Process, either party may initiate an action for breach of this Contract, or any other relief allowed by law in a court of proper jurisdiction. Time periods may be extended if agreed upon by both parties.

Injunctive Relief

The only circumstance in which disputes between MDOT and the Municipality shall not be subject to the provisions of this Dispute Resolution Process is when a party makes a good faith determination that it will suffer irreparable harm due to a breach of the terms of the Contract by the other party and that a temporary restraining order or other immediate injunctive relief is the only adequate remedy.

Each party agrees to continue performing its obligations under the Contract while a dispute is being resolved except to the extent the issue in dispute precludes performance (dispute over payment must not be deemed to preclude performance) and without limiting either party's right to terminate the Contract as provided in Section 28.

SECTION 27: TERM OF CONTRACT

This Contract will be in effect from October 1, 2024 through September 30, 2029.

SECTION 28: CONTRACT TERMINATION OR EXPIRATION

- A. For convenience, MDOT may terminate this Contract by providing written notice to the Municipality at least two (2) years prior to the beginning of the Contract year to which the termination, applies.

The Municipality may terminate this Contract by providing written notice to MDOT at least two (2) years prior to the beginning of the Contract year to which the termination applies.

In the event either party provides notice of an intent to terminate the Contract as provided in this subsection, the Contract shall terminate at the beginning of the Contract year (October 1), two years following the date of the notice. For greater clarity, the parties do not intend for the Contract to terminate as of the date of the notice. Notwithstanding any other provision to the contrary, if a party provides notice of its intent to terminate the Contract as provided in this subsection and the Contract will expire before the two-year notice period has lapsed, the parties agree that the Contract shall be automatically renewed and continue in full force and effect until October 1, two years following the date of the notice.

- B. If a new Contract has not been executed by the parties within 120 days following the expiration of this Contract, this Contract shall be deemed automatically renewed as of the date of expiration and continue in full force and effect for two years following such date. After those two years have lapsed, the Contract shall be deemed terminated.
- C. Notwithstanding any provision of this Contract to the contrary, upon termination of this Contract "for cause", the Municipality must, for a period of time specified by MDOT (not to exceed 90 calendar days), provide all reasonable transition assistance requested by MDOT, to allow for the terminated portion of the Contract Activities to continue without interruption or adverse effect, and to facilitate the orderly transfer of such Contract Activities to MDOT or its designees. This Contract will automatically be extended through the end of the transition period.

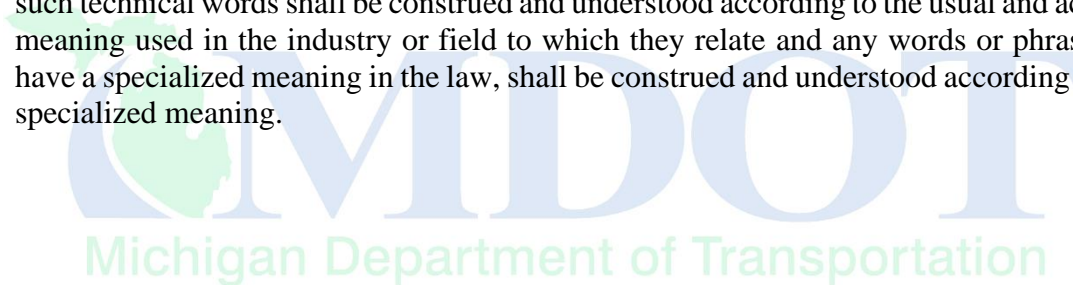
SECTION 29: STATE OF MICHIGAN ADMINISTRATIVE BOARD RESOLUTION

The provisions of the State Administrative Board Resolution 2017-2, April 25, 2017, are set forth in Appendix D, attached hereto and made a part hereof.

SECTION 30: CONTRACTUAL INTERPRETATION

All capitalized words and phrases used in this Contract have the meaning set forth in Appendix A.

All words and phrases not specifically defined in Appendix A shall be construed and understood according to the ordinary meaning of the words used, but technical words and phrases shall have the meanings set forth in MDOT's publications, manuals, advisories, or guides, as applicable. If no MDOT publication, manual, advisory or guide is applicable, such technical words shall be construed and understood according to the usual and accepted meaning used in the industry or field to which they relate and any words or phrases that have a specialized meaning in the law, shall be construed and understood according to such specialized meaning.



SECTION 31: AUTHORIZED SIGNATURE

This Contract will become binding on the parties and of full force and effect upon signing by the duly authorized official of the Municipality and of MDOT and upon adoption of a resolution approving said Contract and authorizing the signature thereto of the respective official of the Municipality, a certified copy of which resolution will be sent to MDOT with this Contract, as applicable.

MUNICIPALITY

BY: _____
TITLE:



BY: _____
TITLE: MDOT Director

APPENDIX A

DEFINITIONS

Annual Work Plan: A schedule developed by the Municipality and Region Engineer's designee of the routine maintenance work to be performed annually on state trunklines by the Municipality.

Budget: The funds allocated to the Municipality for the fiscal year beginning October 1. Budget may also be referred to as Annual Budget or Field Activity Budget or Maintenance Budget.

Chemical Storage Facilities: Bulk salt storage buildings.

Competitive Bidding: A procurement process that involves advertising work so that qualified vendors can submit bids to perform the work. The contract is then awarded to the lowest qualified bidder.

Contract Administrator: An individual designated by the Municipality responsible for supervising all work covered under this Contract.

Department: The Michigan Department of Transportation.

Engineer of Transportation System Management and Operations (TSMO): The Department's designated engineer of TSMO.

Equipment Questionnaire: A report prepared by the Municipality and forwarded to the Department to substantiate the previous year's actual equipment costs.

Foremen: A person(s) designated by the Municipality responsible for overseeing all work covered under this Contract and is responsible to the Contract Administrator.

Maintenance Work: Routine activities performed on a regular basis or in response to uncontrollable events upon the state trunklines. Also includes planned activities to state trunklines to preserve functional condition and any work authorized by a TWA.

Maintenance of State Trunkline highways/lane miles maintained: The Municipality is to provide the winter and non-winter maintenance activities on its miles as identified within the work plan.

Michigan State Transportation Commission: The policy-making body for all state transportation programs. The Commission establishes policy for the Michigan Department of Transportation in relation to transportation programs and facilities and other such works as related to transportation development as provided by law. Responsibilities of the Commission include the development and implementation of comprehensive transportation plans for the entire state, including aeronautics, bus and rail transit, providing professional and technical assistance, and overseeing the administration of state and federal funds allocated for these programs.

Non-Winter Maintenance Budget: The portion of the Budget allocated to non-winter maintenance activities.

Office of Commission Audit (OCA): The office that reports directly to the Michigan State Transportation Commission. The Office of Commission Audits is charged with the overall responsibility to supervise and conduct review activities for the Department of Transportation. The auditor submits to the Commission reports of financial and operational audits and investigations performed by staff for acceptance.

Region Engineer: The Department's designated chief engineer responsible for the oversight of each region of the Department or that region's designee.

Review: A financial statement review is a service under which the accountant obtains limited assurance that there are no material modifications that need to be made to an entity's financial statement for them to be in conformity with the applicable financial reporting framework. OCA's review will be conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants and the standards applicable to attestation engagements contained in *Governmental Auditing Standards* issued by the Comptroller General of the United States. A review consists primarily of inquires of personnel and the application of analytical procedures to data.

Schedule C Equipment Rental Rates: The department's annual list of statewide hourly equipment rental rates that shall be charged for the use of road equipment calculated from the average costs submitted by each agency in the "Equipment Questionnaire".

Small Road Tools: Hand tools which do not have power assist (non-powered) used for general road and bridge maintenance such as rakes, shovels, brooms, etc.

Small Power Tools: Work tools powered by electricity or battery power and have a rental rate assigned.

State Administrative Board: A Board that consists of the Governor, Lieutenant Governor, Secretary of State, Attorney General, State Treasurer, and the Superintendent of Public Instruction. The DTMB designates a Secretary to the State Administrative Board and provides for staff support. The State Administrative Board has general supervisory control over the administrative activities of all state departments and agencies, including but not limited to, the approval of contracts and leases, oversight of the state capital outlay process and the settlement of small claims against the state. The State Administrative Board functions through three standing committees (Finance and Claims, Building, Transportation and Natural Resources) which make recommendations to the Board. The State Administrative Board meets the first and third Tuesday of each month.

State Trunkline Highway: A road, highway, or freeway under the jurisdiction of the Department, and usually numbered as an M, US, or Interstate Route.

Termination for Cause: The exercise of MDOT's right to terminate this Contract "for cause", in whole or in part, if the Municipality, as determined by MDOT: (a) endangers the value, integrity, or security of any location, data, or personnel; (b) becomes insolvent, petitions for bankruptcy court proceedings, or has an involuntary bankruptcy proceeding filed against it by any creditor; (c) engages in any conduct that may expose MDOT to liability; (d) breaches any of its material duties or obligations; or (e) fails to cure a breach within the time stated in a notice of breach. Any reference to specific breaches being material breaches within this Contract will not be construed to mean that other breaches are not material.

Termination Date: The date the contract is no longer effective.

Transportation Work Authorization (TWA): A written order for work not covered by the Budget. Funding for the TWA is reimbursed to the Municipality in addition to the annual Budget.

Transportation and Natural Resources Committee: A committee that approves the award of Michigan Department of Transportation (MDOT) contracts and agreements; Department of Natural Resources (DNR) oil, gas, and mineral leases; conveyance of submerged lands. The committee meets the Wednesday before the State Administrative Board meeting. The agenda is prepared by MDOT and DNR.

Winter Maintenance: Maintenance Work centered on the process to remove snow and ice from the trunkline to provide a reasonably clear and bare driving surface under prevailing winter conditions. The activity numbers that define the Budget line items for winter maintenance are:

1410: Winter maintenance

1440: Winter road patrol (*See winter maintenance patrol below*)

1490: Other winter maintenance (*Shall include maintenance items resulting from winter maintenance, but not actual winter maintenance, i.e. sweeping and flushing immediately after winter ends*)

This work includes all material costs required to conduct work under the above activity numbers.

Winter Maintenance Patrol: An employee assigned to monitor state trunkline road conditions during the winter at times outside the normal workday, i.e. 2nd or 3rd shift.

Work Plan: An annual outline of maintenance activities to be performed under this Contract. The components of the plan include the amount of Budget allocated to each routine maintenance activity group, a list of prioritized maintenance activities, and may include a proposed timeframe for completion.

APPENDIX B

MICHIGAN DEPARTMENT OF TRANSPORTATION

MUNICIPALITY CONTRACT

OVERHEAD SCHEDULE

Effective October 1, 2024, through September 30, 2029

Original Annual Budget Amount	Percent Allowed for Overhead	Percent Allowed for Small Tools	Total Percent Allowed
Up to \$25,000 _____	11.00 _____	.50 _____	11.50
\$25,001 to \$50,000 _____	10.25 _____	.50 _____	10.75
\$50,001 to \$75,000 _____	9.50 _____	.50 _____	10.00
\$75,001 to \$100,000 _____	8.75 _____	.50 _____	9.25
\$100,001 and over _____	8.00 _____	.50 _____	8.50

APPENDIX C
PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS

In connection with the performance of work under this contract; the contractor agrees as follows:

1. In accordance with Public Act 453 of 1976 (Elliott-Larsen Civil Rights Act), the contractor shall not discriminate against an employee or applicant for employment with respect to hire, tenure, treatment, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, or marital status. A breach of this covenant will be regarded as a material breach of this contract. Further, in accordance with Public Act 220 of 1976 (Persons with Disabilities Civil Rights Act), as amended by Public Act 478 of 1980, the contractor shall not discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants will be regarded as a material breach of this contract.
2. The contractor hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
3. The contractor will take affirmative action to ensure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status, or any disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment; treatment; upgrading; demotion or transfer; recruitment; advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
4. The contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status, or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
5. The contractor or its collective bargaining representative shall send to each labor union or representative of workers with which the contractor has a collective bargaining agreement or other contract or understanding a notice advising such labor union or workers' representative of the contractor's commitments under this Appendix.
6. The contractor shall comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission that may be in effect prior to the taking of bids for any individual state project.

7. The contractor shall furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission; said forms may also elicit information as to the practices, policies, program, and employment statistics of each subcontractor, as well as the contractor itself, and said contractor shall permit access to the contractor's books, records, and accounts by the Michigan Civil Rights Commission and/or its agent for the purposes of investigation to ascertain compliance under this contract and relevant rules, regulations, and orders of the Michigan Civil Rights Commission.
8. In the event that the Michigan Civil Rights Commission finds, after a hearing held pursuant to its rules, that a contractor has not complied with the contractual obligations under this contract, the Michigan Civil Rights Commission may, as a part of its order based upon such findings, certify said findings to the State Administrative Board of the State of Michigan, which State Administrative Board may order the cancellation of the contract found to have been violated and/or declare the contractor ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, including the governing boards of institutions of higher education, until the contractor complies with said order of the Michigan Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the contractor is declared ineligible to contract as a contracting party in future contracts. In any case before the Michigan Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Michigan Civil Rights Commission to participate in such proceedings.
9. The contractor shall include or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Michigan Civil Rights Commission; all subcontracts and purchase orders will also state that said provisions will be binding upon each subcontractor or supplier.

Revised June 2011

APPENDIX D

**STATE ADMINISTRATIVE BOARD
RESOLUTION 2017-2
PROCEDURES APPLICABLE TO MDOT CONTRACTS AND GRANTS
AND
RECISSION OF RESOLUTION 2011-2**

WHEREAS, the State Administrative Board (“Board”) exercises general supervisory control over the functions and activities of all administrative departments, boards, commissioners, and officers of this State, and of all State institutions pursuant to Section 3 of 1921 PA 2, MCL 17.3;

WHEREAS, the Board may adopt rules governing its procedures and providing for the general conduct of its business and affairs pursuant to Section 2, of 1921 PA 2, MCL 17.2;

WHEREAS, exercising its power to adopt rules, the Board adopted Resolution 2011-2 on August 30, 2011, establishing a \$500,000 or more threshold for Board approval of the Michigan Department of Transportation (“MDOT”) Professional Engineering Consultant Contracts and Construction Contracts and increasing the threshold for Board approval for Service Contracts to \$250,000 or more for initial contracts and \$125,000 or more for an amendment to a Service Contract;

WHEREAS, the Board has adopted Resolution 2017-1, raising the threshold for Board approval of contracts for materials and services to \$500,000 or more for the initial contract and \$500,000 or more for contract amendments, and rescinding Resolution 2011-1;

WHEREAS, MDOT is a party to a considerable number of contracts, the majority of which are funded via grants administered by federal agencies including the U.S. Department of Transportation’s Federal Highway Administration, Federal Transit Administration, Federal Railroad Administration, and Federal Aviation Administration, which oversee MDOT’s administration of such contracts and amendments thereto;

WHEREAS, MDOT has implemented internal procedures to assure the proper expenditure of state and federal funds and is subject to financial and performance audits by the Office of Commission Audits pursuant to 1982 PA 438, MCL 247.667a;

WHEREAS, MDOT is a party to a significant number of contracts which by their nature involve substantial consideration and often require amendments arising out of changes in scope, differing field conditions and design errors and omissions;

WHEREAS, delays in the approval of amendments to contracts can result in postponement of payments to subcontractors and suppliers; work slowdowns and stoppages; delays in the completion of projects; exposure to additional costs; and exposure to litigation arising out of contractor claims; and

WHEREAS, recognizing the Board's duty to promote the efficiency of State Government, the Board resolves as follows:

1. Resolution 2011-2 is rescinded.
2. A contract for professional design, engineering or consulting services requiring MDOT prequalification in connection with the construction or physical improvement of a street, road, highway, bridge, transit or rail system, airport or other structure congruous with transportation ("Professional Engineering Consultant Contract") or a contract for the construction or physical improvement of a street, road, highway, bridge, transit or rail system, airport or other structure congruous with transportation ("Construction Contract") must be approved by the Board prior to execution by MDOT if the amount of the contract is \$500,000 or more. MDOT may obtain approval of the solicitation of a Professional Engineering Consultant Contract or a Construction Contract which, based on the estimate prepared by an engineer employed by the State of Michigan, is estimated to be \$500,000 or more. A contract arising out of such solicitation must be approved by the Board prior to execution by MDOT if the amount of the contract exceeds 110% of the State engineer's estimate.
3. An amendment to a Professional Engineering Consultant Contract or a Construction Contract must be approved by the Board prior to execution by MDOT if the amount of the amendment and the sum of all previous amendments exceed 10% of the original contract, except that an amendment to a Professional Engineering Consultant Contract or a Construction Contract need not be approved by the Board if: a) approved in accordance with applicable federal law or procedure by a representative of a federal agency contributing funds to the project that is the subject of the contract; or b) approved in accordance with MDOT's internal procedures provided the procedures include approval by at least one MDOT employee who has managerial responsibility and is neither the project manager nor directly involved in the administration of the project.
4. A contract for services not requiring MDOT prequalification ("Service Contract") in the amount of \$500,000 or more must be approved by the Board prior to execution by MDOT. A Service Contract does not include a Professional Engineering Consultant Contract or a Construction Contract.
5. An amendment to a Service Contract must be approved by the Board prior to execution by MDOT if the amount of the amendment and the sum of all previous amendments total \$500,000 or more. Thereafter, an amendment to a Service Contract must be approved by the Board if the amount of the amendment and

the sum of all amendments executed after the most recent Board approval total \$500,000 or more.

6. A contract involving the conveyance of any real property interest under the jurisdiction of MDOT must be approved by the Board prior to execution by MDOT if the fair market value of the interest is \$500,000 or more. Fair market value must be determined in accordance with procedures approved by the State Transportation Commission.

7. MDOT may enter into a contract with a sub-recipient without approval of the Board if: a) the purpose of the contract is to provide federal or state matching funds for a project; b) MDOT has been authorized by an agency administering any federal funds to award them to the sub-recipient; and c) the sub-recipient has agreed to fully reimburse the State in the event the sub-recipient does not use the funds in accordance with the purpose of the funding. A sub-recipient includes, but is not limited to, a local unit of government, a governmental authority, a private non-profit entity, and a railroad or rail service provider.

8. MDOT may enter into a cost participation contract with a local unit of government without approval of the Board if: a) the contract involves the construction or physical improvement of a street, road, highway, bridge or other structure congruous with transportation; b) the construction or improvement is funded by federal, state or local funds; and c) the contract is approved by each entity providing funds or in accordance with applicable law.

9. MDOT may enter into a contract in connection with the award of a grant including state matching funds, to a local unit of government, a governmental authority, a private non-profit entity, a railroad or a rail service provider, without approval of the Board if the contract provides that the recipient will fully reimburse the State in the event grant funds are not used in accordance with the terms of the grant.

10. MDOT may enter into a contract with an airport sponsor without approval of the Board if the contract has been approved by the Michigan Aeronautics Commission.

11. MDOT may enter into a contract or award a grant without approval of the Board in situations where emergency action is required. For all emergency contracts or grants of \$250,000 or more, MDOT must transmit to the Board a written report setting forth the nature of the emergency and the key terms of the contract or grant within 30 days of executing the contract or awarding the grant.

12. Notwithstanding any provisions of this resolution, the Board may require MDOT to report the status of any project and may require MDOT to obtain Board approval of any contract, grant or any amendment to a contract.

This Resolution is effective April 25, 2017.

APPROVED
State
Administrative Board
4-25-17 *Rose M. Cousin*

APPENDIX E

SUBCONTRACT REQUIREMENTS

**SUMMARY OF STATE ADMINISTRATIVE BOARD
REQUIREMENTS FOR AMENDMENTS
(PREVIOUSLY REFERRED TO AS OVERRUNS,
EXTRA’S AND ADJUSTMENTS)**

Administrative Board Resolution (2017-2, April 25, 2017)

State Administrative Board approval is required on all contracts (including subcontracts) when the sum of the contract including any optional year(s) is \$500,000 or greater.

Amendments

Subcontract Requirements:	Amendment Amount	State Administrative Board (SAB) Approval Requirements:
<ul style="list-style-type: none">• Region Engineer approval required prior to start of work.• Form 426 must be signed by the Region Engineer.• Documentation of amendment is required by the Municipality.• Send revised Form 426 to the Transportation Systems Management Operations (TSMO), Contract Specialist for review and approval prior to the start of work.	\$499,999 or less	Not required Note: Emergency contracts \$250,000 or greater require SAB approval.
	\$500,000 or greater	Required prior to the start of work. Note: When the sum of the contract and all amendments total \$500,000 or greater, SAB approval is required.

Definition of Term: Amendment includes situations where the original contract quantity or contract cost is exceeded. It also includes situations where quantities or work are added to the original contract as extra’s or adjustments.



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

BRADLEY C. WIEFERICH, P.E.
DIRECTOR

APPENDIX F

SAMPLE: Letter of Understanding

Date

Contract Agency Name

Address

Contact Person, Title

RE: Letter of Understanding for State Trunkline Maintenance Contract between Michigan Department of Transportation (MDOT) and the (insert name of contract agency)

Dear _____:

This Letter of Understanding is in follow up to our recent meeting held on _____ and will serve as a reference to clarify the Scope of Work set forth in Section 1, of the State Trunkline Maintenance Contract.

The Scope of Work will be limited to (insert type of work activities and frequency of work to be performed) on the state trunkline (indicate routes) in the City (or Village) of _____. The work activities are to be conducted by the City (Village) as a part of the Contract with MDOT.

The Scope of Work shall include traffic control to perform the work.

Reimbursement for Snow Hauling will be limited to (insert agreed upon snow hauling parameters) and will be reimbursed at (insert snow hauling rate)% of the total costs of snow hauling. For any additional snow hauling outside of these parameters, MDOT will not participate in the cost unless written approval is received prior to the snow hauling. The Municipality Snow Hauling Calculation form (Appendix H) is attached.

Request for reimbursement of the Scope of Work activities identified herein shall be in accordance with Section 16 of the Contract. Payment for items with Firm Unit Prices will be in accordance with the attached Municipality Firm Unit Prices form (Appendix G) attached.

Subcontracting of any work activities shall be in accordance with Section 9 of the Contract.

Name
Page 2
Date

Please sign each of the two original letters enclosed. Please keep one copy for your records and return the other copy to my attention.

Sincerely,

Name
Maintenance Coordinator (or Engineer)
MDOT ____TSC

APPROVED BY:

City (Village) of _____ agrees to the terms and conditions stated in this agreement.

Dated this ____ day of _____, 2024

Name, Title

APPROVED BY:

Region Engineer
Michigan Department of Transportation

Date _____

Appendix G

Michigan Department
of Transportation
0572 (03/2024)

Clear Form

MUNICIPALITY FIRM UNIT PRICES

MUNICIPALITY NAME	EFFECTIVE DATE
-------------------	----------------

TYPE OF MATERIALS PRODUCED OR SUPPLIED	UNIT OF MEASURE	UNIT PRICE	ITEM LOCATION	PRICE INCLUDES

INSERT ABOVE, THE FOLLOWING APPLICABLE NUMBER(S):

Type of Materials produced or supplied by Municipality

1. Aggregate
2. Winter Sand
3. Salt
4. Other (Describe): _____

Item Locations

1. Pit Site
2. Yard
3. Other (Describe): _____

Price Includes

1. Processing or Mixing Costs
2. Stockpiling or Hauling to Stockpile Costs
3. Royalty Costs
4. Municipal Supplied Salt or Calcium Chloride (when used in a winter salt/sand mixture)
5. Winter Sand
6. Bituminous Costs
7. Other (Describe): _____

MUNICIPALITY SUBMITTED BY		
NAME	TITLE	DATE

MDOT APPROVED BY		
NAME	TITLE	DATE

Appendix H

Michigan Department
of Transportation
5191 (02/2024)

MUNICIPALITY SNOW HAULING CALCULATION FORM

Clear Form
Definitions

MUNICIPALITY NAME	ROUTE	EFFECTIVE DATE
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SKETCH OF ROADWAY AND SNOW HAULING LIMITS

TOTAL WIDTH OF SNOW HAULING (WSH) <div style="text-align: center;">ft</div>	WIDTH OF AREA DESIGNATED FOR TRAFFIC MOVEMENT (ADTM) <div style="text-align: center;">ft</div>
SNOW HAULING RATE (SHR): $SHR = ADTM / WSH \%$ SHR: _____ / _____ = _____ %	

MUNICIPALITY SUBMITTED BY	
NAME	TITLE

MDOT APPROVED BY	
NAME	TITLE

DEFINITIONS

Total Width of Snow Hauling (WSH): Total width of the roadway, parking lanes, and sidewalks from which snow will be removed during snow hauling operations.

Width of Area Designated for Traffic Movement (ADTM): The portion of the highway right-of-way that is intended for traffic movement. The ADTM does not include parking lanes, sidewalks, or buffer areas that are part of the right-of-way.

Sample Calculation

Total road right-of-way is 66 feet, which includes three 12-foot lanes, two 8-foot parking lanes, and 7 feet of sidewalk and buffer space on each side of the roadway. No snow will be hauled from the area beyond the sidewalks.

WSH: 66 feet

ADTM: 36 feet

Snow Hauling Rate: $36 \text{ feet (ADTM)} / 66 \text{ feet (WSH)} = 55\%$

Municipality Contracts – Request for Information

Name of Contract Agency	City of Farmington	Date: 4/25/2024
Contract Administrator	Name: Meaghan Bachman	Title: Clerk
Highway Maintenance Foremen	Name: Charles Eudy	Public Works Superintendent
Will Firm Unit Prices be used?	Yes	
Snow Hauling?	Yes	
Name of Person Authorized to sign the contract	Name: Meaghan Bachman, Clerk	Email: Mbachman@farmgov.com

Submit the following forms:

- Certificate of Insurance (form 428)
- Firm Unit Price (form 0572) if it applies.
- Snow Hauling (form 5191) if it applies.
- Resolution which names individual authorized to sign the contract. If available, submit, if not it will be required during the signing process.

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6L								
Submitted by: Charles Eudy, Superintendent										
Agenda Topic: Salt Storage Facility Study										
Proposed Motion: Move to award the Salt Storage Facility Study to Hoppe Design in the amount of \$29,000 subject to any minor amendments to the final form recommended by the City Manager’s office or the City Attorney’s office. Thus, allowing City Administration to execute contact documents.										
<p>Background: Public Works salt Storage Dome is nearing the end of its life span. Originally constructed in 1977, roof replaced sometime near 2000, structural repairs in 2021. Michigan Department of Transportation (MDOT) is offering Chemical Storage Facility (CSF) funding to communities who have trunkline maintenance contracts with MDOT.</p> <p>MDOT has committed to cost sharing for the reconstruction of a salt storage building, based upon the amount of road salt used for winter maintenance. MDOT’s current share of salt is 41-43% for the winter maintenance of Grand River. MDOT recommends the salt storage building be sized to accommodate a full season of 800 tons of salt. The last several years winters have not been as severe, and we have only accepted delivery of 80% of the salt order. MDOT recommends considering buildings other than a dome style structure.</p> <p>The “Study” will include Soil Borings and report, Contaminant Assessment, and requesting preliminary proposals from salt storage building contractors for a building to accommodate 800 tons of road salt with the general requirements as defined by the Architect.</p> <p>Hoppe Design Salt Storage Facility Study fees for hourly basic services will be invoiced at \$190 per hour with an estimated 60 hours of services. Other predesign services will be passed through Hoppe Design and invoiced to the City of Farmington.</p> <table data-bbox="131 1371 1193 1518"> <tr> <td>Basic Service</td> <td>\$11,400 (\$190 per hour 60 hours)</td> </tr> <tr> <td>Soil Borings & Contaminant Assessment</td> <td>\$14,650</td> </tr> <tr> <td><u>Contingency (approximately 10%)</u></td> <td><u>\$ 2,950</u></td> </tr> <tr> <td></td> <td>\$29,000</td> </tr> </table> <p>Hoppe Design has worked closely with the City of Farmington on several projects including the Warner Home Foundation Project, Warner Home Porch Roof improvements, and Public Works Exterior Repairs. Hoppe Design also has a working relationship with OHM.</p> <p>Public Works Superintendent recommends accepting the proposal from Hoppe Design for Salt Storage Facility Study.</p>			Basic Service	\$11,400 (\$190 per hour 60 hours)	Soil Borings & Contaminant Assessment	\$14,650	<u>Contingency (approximately 10%)</u>	<u>\$ 2,950</u>		\$29,000
Basic Service	\$11,400 (\$190 per hour 60 hours)									
Soil Borings & Contaminant Assessment	\$14,650									
<u>Contingency (approximately 10%)</u>	<u>\$ 2,950</u>									
	\$29,000									
Materials: Hoppe Design Proposal										

May 7, 2024

Mr. David Murphy, City Manager
Superintendent of Public Works, City of Farmington
23600 Liberty Street
Farmington, MI 48335

Re: **Salt Storage Facility Study**
33720 W 9 Mile Rd, Farmington, MI 48335

Dear Mr. Murphy:

Thank you for the opportunity to submit this proposal for Professional services for the above named project. Our understanding of the project is as follows.

PROJECT UNDERSTANDING

You would like to investigate various methods of constructing a new salt storage facility including, but not limited to: wood frame on a concrete retaining wall; a wood dome; fabric. This study will include: interviews with product representatives, from both in-state and out-of-state; preparation of preliminary Opinion of Probable Cost of Construction; soil borings; contaminant assessment. The study will also include the solicitation of preliminary proposals for the demolition of the existing salt storage facility.

SCOPE OF HOURLY BASIC SERVICES:

HOPPE Design, LLC proposes to provide Professional Architectural Services as follows:

Pre-Design

Preliminary Investigation: HOPPE Design LLC will provide the following: invite vendors of various salt storage facility products to meet with the owner and the architect; solicit preliminary estimates.

Demolition: HOPPE Design, LLC will assist in soliciting proposals for the demolition of the existing salt storage facility.

SCOPE OF FIXED FEE BASIC SERVICES:

HOPPE Design, LLC proposes to provide Professional Architectural Services as follows:

Pre-Design

Soil Borings and Report: HOPPE Design, LLC will acquire borings of the site and a related soils report from a licensed soils engineer.

Contaminant Assessment: HOPPE Design, LLC will assist the Client in securing the services of a professional environmental engineer to conduct a contaminant assessment on the existing building.

Deliverables

HOPPE Design will provide a pdf of all drawings, reports and specifications. All printed copies of the drawings, specifications, reports and renderings will be provided by the client.

FEE FOR HOURLY BASIC SERVICES

Compensation for Basic Services rendered as described above shall be based on the hourly rate of **One Hundred Ninety Dollars per Hour (\$190.00/hour)**. It is currently expected that this study may take approximately 60 hours.

FEE FOR FIXED FEE BASIC SERVICES

Compensation for Fixed Fee Services, which includes the cost of the Soil Borings and Report and the Contaminant Assessment is **Fourteen Thousand Six Hundred Fifty dollars (\$14,650.00)**.

SCHEDULE:

The Architect is prepared to begin work within ten working days of receipt of a signed Agreement. The period of service for this agreement shall be twelve months, after which time the terms, conditions and fee of this agreement shall be re-negotiated.

ASSUMPTIONS AND RESPONSIBILITIES

This agreement is based upon the following assumptions and description of responsibilities.

The client will provide HOPPE Design, LLC with all available existing site and building drawings and the architect shall be allowed to rely upon the accuracy of such drawings.

The client is responsible for all permitting fees.

HOPPE Design, LLC shall be entitled to rely on the accuracy and completeness of services and information furnished by the Client, including services and information provided by other design professionals or consultants directly to the Client. These services and information include, but are not limited to, surveys, tests, reports, diagrams, drawings and legal information.

TERMS AND CONDITIONS:

The terms and conditions of this proposal shall be in accordance with the attached Standard Terms and Conditions of the Agreement. This unexecuted proposal shall remain in effect for thirty days, after which time HOPPE Design, LLC reserves the right to review and modify any and all portions of this proposal. Thank you for the opportunity to submit this proposal. We look forward to working with you on this project. Your return of a signed copy of this proposal and initial payment will serve as authorization to proceed. If you have any questions or need additional information, please contact this office.

Sincerely,
Wayde C. Hoppe, R.A.
President
NCARB, LEED AP

Client

Date

DESCRIPTION OF AVAILABLE SERVICES

The following is a list of Services available from the office of HOPPE Design, LLC. Only those Services noted in the Scope of Basic Services of this Agreement will be provided under this Agreement. The Owner may elect to add services from the list below to the Scope of Basic Services by request for Amendment. Such services will be provided upon signature and receipt of such amendment and will be provided for at the above stated hourly rate.

PRELIMINARY DESIGN

- Master Planning
- Schematic Floor Plans and Elevations
- Elevation Rendering, Black and White
- Perspective Rendering, Black and White
- Perspective Rendering, Color
- Model Built to Scale
- Assist in Selection of Structural System
- Provide Structural Criteria for Geotechnical Consultant
- Initial Concept and Budget Review
- Existing Building Survey and Measurements
- Program Development

CONSTRUCTION DOCUMENTS

- Architectural Working Drawings
- Structural Working Drawings
- Civil Working Drawings
- Mechanical Working Drawings
- Electrical Working Drawings
- Specifications and General Conditions
- Statement of Probable Construction Costs
- Building Engineering including design and selection of HVAC, Plumbing and Electrical Equipment
- Site Engineering including Civil engineering, Landscape Design, and Grading Plans.
- Utilities: design of utilities to the site including telephone, natural gas, power, cable and water and assisting the Owner in submitting for approval from the utility providers.
- Product and Manufacturer Selection and Specification: Assisting the Owner in selecting and specifying the Finish, Style and Manufacturers of interior finish materials, exterior materials, plumbing fixtures and disposals, shower enclosures and doors, cabinetry, counters and millwork, tile, hardwood flooring, trim, pavers, shingles, siding, banisters, shelving, mantels and fireplace surrounds and inserts, doors and hardware, windows, exhaust hoods, exhaust fans, light fixtures, and appliances.

BIDDING AND NEGOTIATING

- Bidders List: assisting the Owner in assembling a list of qualified bidders.
- Distribution of bidding documents
- Consultation with Bidders
- Pre-Bid Conference
- Assist in Evaluating Bids
- Execute Final Agreement

CONTRACT ADMINISTRATION

- Site visits to observe progress of the project
- Consultation with the Owner or Contractor for review of site and building related issues.
- Shop Drawings and Submittal Review.
- Review of Applications for Payment, Lien Waivers, and Sworn Statements.
- Issuance of Change Orders, and Certificate of Substantial Completion.

APPROVAL ASSISTANCE

Assisting the Owner, by submissions and representation only, in filing for application for approval from authorities having jurisdiction over the project. Such authorities may include the following:

- Planning Commission
- Zoning Board of Approval: Special Use Permit
- Zoning Board of Approval: Variance
- City Council
- County Soil Erosion Control
- County Drainage Commission
- Michigan Department of Environmental Quality
- YCUA
- Detroit Water and Sewer
- County Road Commission
- County Well Permit
- Sewage Permit
- Septic System Inspection
- Sign Permit
- County Health Department
- State Department of Public Health
- Army Corps of Engineers: flood plain determination
- EPA: soil erosion permit
- Barrier Free Design Rule Exception

EXTENDED SERVICES

Assist the Owner in procuring services from Consultants related to special concerns including the following:

- Contamination Investigation
- Contaminant Abatement
- Subsurface Investigation
- Land Surveying
- Interior Design
- Signage Design: Interior and Exterior
- Food Service Equipment Design
- Detailed Cost Estimating
- Graphic Design
- Furniture and Fixture Design and Layout

STANDARD TERMS AND CONDITIONS OF THE AGREEMENT

ACCESS TO SITE

Unless otherwise stated, the Architect will have access to the site for activities necessary for the performance of the services. If the Architect would like to damage the building and site as part of the Architect's evaluation of the work to be done the Architect must first receive the City's approval to make the damages, prior to the damage occurring. The Architect shall not be the responsible for any of the damage approved by the City.

ALLOCATION OF RISK

The Owner agrees, to the fullest extent permitted by law, to limit the liability of the Architect and his subconsultants to the Owner and to all construction contractors and subcontractors on the project for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses for any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of the Architect and his subconsultants to all those named shall not exceed the Architect's total fee for services rendered on the project or the available limits on the architect's professional liability insurance, whichever is less. It is intended that this limitation apply to any and all liability or cause of action, however alleged or arising, unless otherwise prohibited by law.

AMERICANS WITH DISABILITIES ACT

The Americans with Disabilities Act (ADA) provides that it is a violation of the ADA to design and construct a facility that does not meet the accessibility and usability requirements of the ADA, except where it can be demonstrated that it is structurally impractical to meet such requirements. The Owner acknowledges that the requirements of the ADA may be subject to various and possibly contradictory interpretations and that the standards for design practice as it relates to disabled legislation are still evolving. Therefore, the Architect shall use his reasonable professional efforts to interpret applicable ADA requirements and other federal, state and local laws, and to conform the construction documents to the requirements of such laws. However, the Architect cannot and does not warrant or guarantee the Owner's project will comply with interpretations of ADA requirements.

ASSIGNMENT

Neither party to this Agreement shall transfer, sublet, or assign any rights under or interest in this Agreement (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party. Subcontracting to subconsultants normally contemplated by the Consultant shall not be considered an assignment for purposes of this Agreement.

CONSTRUCTION COST

Construction Costs are defined as the cost of any and all building and site work requiring architectural drawing, documentation and advice; including Contractor fees, equipment, and counterwork. Construction Costs shall also include the absolute value of changes made after the completion of the contract document phase. It does not include the cost of professional architectural fees or interior furnishings. Until final construction costs have been presented, an estimated cost of construction, prepared by the Architect, will be used for calculating the billings.

CONSTRUCTION OBSERVATION

If described in this agreement as a part of basic services, the Architect shall visit the site at intervals deemed appropriate by the architect, in order to observe the progress and quality of the Work completed by the Contractor. Such visits and observation are not intended to be an exhaustive check or a detailed inspection of the Contractor's work but rather are to allow the Architect, as an experienced professional, to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.

Based on this general observation, the Consultant shall endeavor to keep the owner informed about the progress of the Work. If the Owner desires more extensive project observation or fulltime project representation, the Owner shall request that such services be provided by the Architect as Additional Services in accordance with the terms of this Agreement.

The Architect shall not supervise, direct or have control over the Contractor's work nor have any responsibility for the construction means, methods, techniques, sequences or procedures selected by the Contractor nor for the Contractor's safety precautions or programs in connection with the Work. These rights and responsibilities are solely those of the Contractor in accordance with the Contract Documents.

The Consultant shall not be responsible for any acts or omissions of the Contractor, subcontractor, any entity performing any portions of the Work, or any agents or employees of any of them. The Consultant does not guarantee the performance of the Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

DISPUTE RESOLUTION

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, the Owner and the Architect agree that all disputes between them arising out of or related to this agreement shall be submitted to non-binding mediation unless the parties mutually agree otherwise. Arbitration shall be a secondary method of dispute resolution. The Owner and the Architect further agree to include a similar provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, subconsultants, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements. A notice of demand for arbitration may not be made after the applicable statute of limitations.

EXCLUDED SERVICES

Those services shown on the attached list of "available services" that are not explicitly described under the proposed scope of basic services above are excluded. Additions to this scope of basic services may be provided under this agreement with a signed amendment to the agreement.

HAZARDOUS MATERIALS

Both parties acknowledge that the Architect's scope of services does not include any services related to hazardous or toxic materials including PFAS. In the event the Architect or any other party encounters hazardous or toxic materials at the jobsite, or should it become known in any way that such materials may be present to the jobsite, or any adjacent areas that may affect the performance of the Architect's services, the Architect may at his or her option and without liability for consequential or any other damages, suspend performance of services on the project until the Owner retains appropriate specialist consultants or contractors to identify, abate and/or remove the hazardous or toxic materials and warrant that the jobsite is in full

compliance with applicable laws and regulations. The client also understands that materials that are permissible under current building codes may at some future date be deemed hazardous; and that the architect is expected to meet current industry standards regarding the specification of materials deemed non-hazardous and that the architect may rely upon the accuracy of the manufacturer's data.

INDEPENDENT CONTRACTOR RELATIONSHIP.

In the performance of this Agreement, the relationship of the Architect to the Owner shall be that of an independent contractor and not that of an employee or agent of Owner. The Architect is and shall perform under this Agreement as an independent contractor, and no liability or responsibility with respect to benefits of any kind, including without limitation, medical benefits, worker's compensation, pension rights, or other rights or liabilities arising out of or related to an agreement for hire or employer/employee relationship shall arise or accrue to either party as a result of the performance of this Agreement.

The Architect, as an independent contractor, is not authorized to enter into or sign any agreements on behalf of the Owner or to make any representations to third parties that are binding upon the Owner. Although the Architect is required under this Agreement to advise, make recommendations to and to a limited extent represent the Owner, all plans, studies, applications, submittals, surveys, reports and any other information relating to the work must be submitted to and approved by the Owner or the Owner's authorized official prior to being disseminated to any third party and shall only be so disseminated if such dissemination is approved in advance by the Owner or an authorized Owner official.

INDEMNIFICATION

The Owner shall indemnify and hold harmless the Architect, his or her officers, directors, employees, agents and sub-consultants from and against all damage, liability and cost, including all attorney's fees and defense costs, arising out of or in any way connected with the performance by any of the parties above named with respect to the services under this agreement, excepting those damages, liabilities or costs attributable to the sole negligence or willful misconduct of the Architect. The Owner agrees to include this same indemnification in any agreement made with contractors, subcontractors, suppliers, or consultants who provide services or products with respect to this project, indemnifying the Architect as described above.

INSURANCE

Architect shall provide evidence of Professional Liability Insurance in an amount not less than \$1,000,000 per occurrence and \$1,000,000 aggregate. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan. All deductibles and SIRs are the responsibility of the Architect. The policy shall include an endorsement stating that it is understood and agreed Thirty (30) days, Ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to the City. Copies of all policies mentioned above shall be furnished, if so requested.

The Architect shall provide the City at the time that the contracts are returned to him for execution, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where cancellation notice is required would be acceptable. If any of the above coverage expires during the term of this agreement, the Architect shall deliver renewal certificates and endorsements to the City at least ten days prior to the expiration date.

INVOICES

HOPPE Design, LLC will invoice monthly for the portion of the work completed to that date and payment is due upon receipt of invoice. Payment due and unpaid shall bear interest from the date payment is due at the rate of 1-1/2 percent per month or the maximum allowable by law, whichever is lower. The Architect will obtain written approval of the Owner prior to proceeding with any services or work that is not stated herein; otherwise the Owner will not be billed for such extra/additional services or work.

JURISDICTION AND VENUE OF AGREEMENT

This Agreement shall be considered for all purposes, including the establishment of jurisdiction and venue in any court action between the parties, as the 47th District Court in Farmington, Michigan or in the 6th Circuit Court in Oakland County, Michigan.

JOBSITE SAFETY

Neither the professional activities of the Consultant, nor the presence of the Consultant, its employees or subconsultants at a construction/project site, shall impose any duty on the Consultant, nor relieve the General Contractor of its obligations, duties and responsibilities including, but not limited to, construction means, methods, sequences, techniques, procedures, or jobsite safety, including, but not limited to, injury and illness prevention programs or similar plans intended to mitigate or prevent injuries or exposure to pollutants, viruses, bacteria or pathogens of any kind, and necessary for performing, superintending or coordinating the Work in accordance with the Contract Documents and any health or safety precautions required by any regulatory agencies ("Contractor Duties"). The Consultant and its personnel have no authority to exercise any control over any construction contractor or its employees in connection with their work or any health or safety programs or procedures. The Client agrees that the General Contractor shall be solely responsible for jobsite and worker safety and warrants that this intent shall be carried out in the Client's contract with the General Contractor. The Client also agrees that the General Contractor and subcontractors shall defend and indemnify the Client, the Consultant and the Consultant's subconsultants from and against any claims, causes of action, demands or damages arising out of or relating to Contractor Duties. The Client also agrees that the Client, the Consultant and the Consultant's subconsultants shall be made additional insureds under the General Contractor's policies of general liability insurance.

OBSOLESCENCE

Although the Architect endeavors to specify products that are readily available, the Architect does not warrant that specified products will not be obsolete or in any other manner unavailable or inapplicable for the project, or that such products may not increase in cost for any reason. The Owner acknowledges that the Architect is not liable for costs associated with the unavailability of specified products, delays to the project due to the unavailability of specified products, or additional costs to the project due to replacement of unavailable products.

OPINIONS OF PROBABLE COST OF CONSTRUCTION

In providing opinions of probable cost of construction, the Owner understands that the Architect has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Architect's opinions of probable construction costs are made on the basis of the Architect's professional judgment and experience. The Architect makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Architect's opinion of probable construction cost.

OWNERSHIP OF DOCUMENTS

The Architect acknowledges that the owner is a public body, subject to Freedom of Information request and other transparency obligations. It is expressly acknowledged and agreed that all reports, opinions, compilations, research work, studies, data, materials, artifacts, samples, documents, plans, drawings, specifications, correspondence, ledgers, permits, manuals, applications, contracts, schedules, maps, logs, invoices, billings, photographs, videotapes and all other materials generated by and or coming into the possession of the Architect during the term of this Agreement that in any way relate to the performance of the work by the Architect under this Agreement or that are otherwise related or relevant to the work, belong exclusively to the Architect.

PERMITS AND APPROVALS

The consultant shall assist the Owner in connection with the Owner's responsibility for applying for those permits and approvals normally required by law for projects similar to the one for which the Architect's services are being engaged, if those services are listed in the Scope of Basic Services of this agreement. If not specifically listed in the Scope of Basic Services, then the Architect shall be compensated for this service as an Additional Service. This assistance shall consist of completing and submitting forms and providing information to the appropriate regulatory agencies having jurisdiction over the documents, and other services included in the Scope of Basic Services of this agreement. The Architect cannot and does not warrant or guarantee the Owner's project will comply with requirements of federal, state and local laws, rules, codes, ordinances, and regulations.

PRIOR CONTRACTS AND CONDITIONS

The Architect is not required to inspect, review, alter or evaluate in any way the services provided by a previous design professional.

REIMBURSABLE EXPENSES

Reimbursable expenses are in addition to compensation for services and include expenses incurred in the interest of the project and are as follows: expense of reproductions, postage and handling of drawings, specifications and other documents; mileage, and photographic expenses required of the Architect; fees paid for securing approval of authorities having jurisdiction over the project; renderings, models and mock-ups requested by the Owner; additional insurance coverage or limits, including professional liability insurance, requested by the Owner in excess of that normally carried by the Architect and the Architect's consultants. Reimbursable expenses will be billed at 1.15 (one point one five) times the amount billed the Architect. Costs for site surveying consultants, if required, will be invoiced directly to the Owner.

RIGHT TO RETAIN SUBCONSULTANTS

The Architect may engage the services of any subconsultants when, in the Architect's sole opinion, it is appropriate to do so; provided the Owner agrees to such engagement upon notice by the Architect. Such subconsultants may include any specialized consulting services deemed necessary by the Architect to carry out the scope of the Architect's services

SEVERABILITY

Any term or provision of this Agreement found to be invalid under any applicable statute or rule of law shall be deemed omitted and the remainder of this Agreement shall remain in full force and effect.

STANDARD OF CARE

In providing services under this Agreement, the Architect will endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances. Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed by either party to the other.

STATUTES OF REPOSE AND LIMITATION

All legal causes of action between the parties to this Agreement shall accrue and any applicable statutes of repose or limitation shall begin to run not later than the date of Substantial Completion. If the act or failure to act complained of occurs after the date of Substantial Completion, then the date of final completion shall be used, but in no event shall any statute of repose or limitation begin to run any later than the date the Architect's services are completed or terminated.

SURVIVAL

All limitations of liability, indemnifications, warranties, and representations contained in this Agreement shall survive the completion or termination of this Agreement and shall remain in full force and effect.

TERMINATION OF SERVICES

This agreement may be terminated by the Owner or the Architect for any reason. In the event of termination, the Owner shall pay the Architect for all services rendered to the date of termination that is eligible for payment under the terms of the Agreement, plus all reimbursable expenses to which the Architect is entitled.

THIRD-PARTY BENEFICIARIES

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Owner or the Architect. The Architect's services under this Agreement are being performed solely for the Owner's benefit, and no other party or entity shall have any claim against the Architect because of this Agreement or the performance or nonperformance of services hereunder. The Owner agrees to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.

UNAUTHORIZED CHANGES

In the event the Owner, the Owner's contractors or subcontractors, or anyone for whom the Owner is legally liable makes or permits to be made any changes to any reports, plans, specifications or other construction documents prepared by the Architect without obtaining the Consultant's prior written consent, the Owner shall assume full responsibility for the results of such changes. The Owner agrees to waive any claim against the Architect and to release the Architect from any liability arising directly or indirectly from such changes.

VERIFICATION OF EXISTING CONDITIONS

In as much as the remodeling and/or rehabilitation of an existing structure requires that certain assumptions be made regarding existing conditions and because some of these assumptions may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of the structure, the Owner agrees to bear all costs, losses and expenses, including the cost of the Architect's additional services, arising from the discovery of concealed or unknown conditions in an existing structure.

DRAFT

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6M
Submitted by: Charles Eudy, Superintendent		
Agenda Topic: Salt Storage Facility Design		
Proposed Motion: Move to award the Salt Storage Facility Design to Hoppe Design in the amount of \$120,000 (10% of maximum estimated amount) subject to any minor amendments to the final form recommended by the City Manager’s office or the City Attorney’s office. Thus, allowing City Administration to execute contact documents.		
<p>Background: MDOT has committed to cost sharing for the reconstruction of a salt storage building, based upon the amount of road salt used for winter maintenance. MDOT’s current share of salt is 41-43% for the winter maintenance of Grand River. From other salt storage buildings recently constructed, MDOT advised the cost to demolish and reconstruct a salt storage building is \$900,000, Contract Administrative Fee of \$45,000, and the Municipal Administrative fee of \$50,000 to oversee the project. Based upon the Architects estimate, we have informed MDOT the potential expense to demolish and replace the salt storage facility is \$1,200,000. We have requested to MDOT to increase their funding to meet the \$1.2 million expense, prior to executing the contract with MDOT.</p> <p>Hoppe Design has worked closely with the City of Farmington on several projects including the Warner Home Foundation Project, Warner Home Porch Roof improvements, and Public Works Exterior Repairs. Hoppe Design also has a working relationship with OHM.</p> <p>Hoppe Design will review proposals from salt storage shed contractors we receive developed from the Salt Storage Facility Study to make a recommendation of type of facility and which contractor should be awarded the contact to demolish and reconstruct the salt storage facility. We will be reserving the right to have a local demolition contractor demolish the dome, if demolition cost is excessive.</p> <p>Demolition of the salt dome would be scheduled for April 2025, with substantial completion by October 1, 2025. Currently there is 725 tons of salt stored in the dome. We have placed a minimal salt order for the coming winter. The dome will need to be empty, and any remaining salt stored indoors prior to demolition. I have asked and received permission from Farmington Hills to store any remaining salt in their salt dome next year, until ours is reconstructed.</p> <p>Public Works Superintendent recommends accepting the proposal from Hoppe Design for Salt Storage Facility Replacement</p>		
Materials: Hoppe Design Proposal: Salt Storage Facility Replacement		

May 7, 2024

Mr. David Murphy, City Manager
Superintendent of Public Works, City of Farmington
23600 Liberty Street
Farmington, MI 48335

Re: **Salt Storage Facility Replacement**
33720 W 9 Mile Rd, Farmington, MI 48335

Dear Mr. Murphy:

Thank you for the opportunity to submit this proposal for Professional services for the above named project. Our understanding of the project is as follows.

PROJECT UNDERSTANDING

You would like to prepare a design for a new 2,250 square foot freestanding salt storage facility to be located at the above address. The existing building on site will be demolished and replaced with a new building. The building will have a storage capacity of 800 tons of salt. The building will have the following: one overhead door; egress doors; eight-inch reinforced concrete floor; exhaust fan; 12' high reinforced concrete wainscot; flat wood trusses; rubber membrane roof; and metal siding. The building trusses will have a 24' foot high bearing. The building will have clear span framing.

SCOPE OF BASIC SERVICES:

HOPPE Design, LLC proposes to provide Professional Architectural Services as follows:

Preliminary Design

Preliminary Design: HOPPE Design, LLC will prepare a proposed schematic design. The schematic design will include a partial site plan, floor plan and exterior elevations.

Preliminary Digital Model: HOPPE Design, LLC will prepare a preliminary color digital model of the proposed work.

Construction Documents

Architectural Working Drawings: HOPPE Design, LLC will prepare architectural working drawings to be used for permitting, bidding and construction. These documents will include a code analysis, egress plan, floor plan, roof plan, exterior elevations, building sections, wall sections, and door and hardware schedules.

Structural Working Drawings: HOPPE Design, LLC will prepare structural working drawings to be used for permitting, bidding and construction. These documents will include foundation plan, specifications and structural details and notes.

Mechanical/Electrical Working Drawings: HOPPE Design, LLC will prepare mechanical/electrical working drawings to be used for permitting, bidding and construction. These documents will include mechanical systems, interior lighting and power distribution, specifications, details, and notes.

Bidding

HOPPE Design, LLC will provide assistance during the bid period to include the following: assistance in preparing an advertisement for bids; conduct pre-bid conference; respond to bidder inquiries; issue addenda as needed; consultation and correspondence with bidders and owner; receive bids; assemble bid tabulation form; issue notice of award.

Construction Contract Administration

HOPPE Design, LLC will provide Construction Contract Administration services to include the following: periodic site visits to observe progress of the project; consultation with the Owner or Contractor for review of site and building related issues; submittal review; review of pay applications; issuance of change orders and certificate of substantial completion.

Deliverables

HOPPE Design will provide a pdf of all drawings and specifications. All printed copies of the drawings, specifications and renderings will be provided by the client.

FEE:

Compensation for Basic Services rendered as described above shall be **Ten Percent (10.00%) of the Cost of Construction** as defined in this agreement.

The architect shall invoice monthly for the portion of work completed to date plus reimbursable expenses. Compensation for Additional Services rendered shall be based on the hourly rate of \$190.00 per hour.

BUDGET FOR COST OF CONSTRUCTION:

The budget for the Cost of Construction is approximately between \$900,000-\$1,200,000.

SCHEDULE:

The Architect is prepared to begin work within ten working days of receipt of a signed Agreement and no sooner than July 1, 2024. The period of service for this agreement shall be twelve months, after which time the terms, conditions and fee of this agreement shall be re-negotiated.

ASSUMPTIONS AND RESPONSIBILITIES

This agreement is based upon the following assumptions and description of responsibilities.

The client will provide HOPPE Design, LLC with all available existing site and building drawings and the architect shall be allowed to rely upon the accuracy of such drawings.

The client is responsible for all permitting fees.

The Client will be responsible for acquisition of a Phase I or Phase II Environmental Survey and contaminant assessment and abatement. HOPPE Design, LLC shall be entitled to rely on the accuracy and completeness of services and information furnished by the Client, including services and information provided by other design professionals or consultants directly to the Client. These services and information include, but are not limited to, surveys, tests, reports, diagrams, drawings and legal information.

The client understands that the final rendering will only be an artistic rendition of the building and may not reflect exactly what is or will be constructed. Further, the client agrees that revisions to the rendering required due to subsequent changes to the design of the building will be charged as an additional service.

TERMS AND CONDITIONS:

The terms and conditions of this proposal shall be in accordance with the attached Standard Terms and Conditions of the Agreement. This unexecuted proposal shall remain in effect for thirty days, after which time HOPPE Design, LLC reserves the right to review and modify any and all portions of this proposal. Thank you for the opportunity to submit this proposal. We look forward to working with you on this project. Your return of a signed copy of this proposal and initial payment will serve as authorization to proceed. If you have any questions or need additional information, please contact this office.

Sincerely,
Wayde C. Hoppe, R.A.
President
NCARB, LEED AP

Client

Date

DRAFT

DESCRIPTION OF AVAILABLE SERVICES

The following is a list of Services available from the office of HOPPE Design, LLC. Only those Services noted in the Scope of Basic Services of this Agreement will be provided under this Agreement. The Owner may elect to add services from the list below to the Scope of Basic Services by request for Amendment. Such services will be provided upon signature and receipt of such amendment and will be provided for at the above stated hourly rate.

PRELIMINARY DESIGN

- Master Planning
- Schematic Floor Plans and Elevations
- Elevation Rendering, Black and White
- Perspective Rendering, Black and White
- Perspective Rendering, Color
- Model Built to Scale
- Assist in Selection of Structural System
- Provide Structural Criteria for Geotechnical Consultant
- Initial Concept and Budget Review
- Existing Building Survey and Measurements
- Program Development

CONSTRUCTION DOCUMENTS

- Architectural Working Drawings
- Structural Working Drawings
- Civil Working Drawings
- Mechanical Working Drawings
- Electrical Working Drawings
- Specifications and General Conditions
- Statement of Probable Construction Costs
- Building Engineering including design and selection of HVAC, Plumbing and Electrical Equipment
- Site Engineering including Civil engineering, Landscape Design, and Grading Plans.
- Utilities: design of utilities to the site including telephone, natural gas, power, cable and water and assisting the Owner in submitting for approval from the utility providers.
- Product and Manufacturer Selection and Specification: Assisting the Owner in selecting and specifying the Finish, Style and Manufacturers of interior finish materials, exterior materials, plumbing fixtures and disposals, shower enclosures and doors, cabinetry, counters and millwork, tile, hardwood flooring, trim, pavers, shingles, siding, banisters, shelving, mantels and fireplace surrounds and inserts, doors and hardware, windows, exhaust hoods, exhaust fans, light fixtures, and appliances.

BIDDING AND NEGOTIATING

- Bidders List: assisting the Owner in assembling a list of qualified bidders.
- Distribution of bidding documents
- Consultation with Bidders
- Pre-Bid Conference
- Assist in Evaluating Bids
- Execute Final Agreement

CONTRACT ADMINISTRATION

- Site visits to observe progress of the project
- Consultation with the Owner or Contractor for review of site and building related issues.
- Shop Drawings and Submittal Review.
- Review of Applications for Payment, Lien Waivers, and Sworn Statements.
- Issuance of Change Orders, and Certificate of Substantial Completion.

APPROVAL ASSISTANCE

Assisting the Owner, by submissions and representation only, in filing for application for approval from authorities having jurisdiction over the project. Such authorities may include the following:

- Planning Commission
- Zoning Board of Approval: Special Use Permit
- Zoning Board of Approval: Variance
- City Council
- County Soil Erosion Control
- County Drainage Commission
- Michigan Department of Environmental Quality
- YCUA
- Detroit Water and Sewer
- County Road Commission
- County Well Permit
- Sewage Permit
- Septic System Inspection
- Sign Permit
- County Health Department
- State Department of Public Health
- Army Corps of Engineers: flood plain determination
- EPA: soil erosion permit
- Barrier Free Design Rule Exception

EXTENDED SERVICES

Assist the Owner in procuring services from Consultants related to special concerns including the following:

- Contamination Investigation
- Contaminant Abatement
- Subsurface Investigation
- Land Surveying
- Interior Design
- Signage Design: Interior and Exterior
- Food Service Equipment Design
- Detailed Cost Estimating
- Graphic Design
- Furniture and Fixture Design and Layout

STANDARD TERMS AND CONDITIONS OF THE AGREEMENT

ACCESS TO SITE

Unless otherwise stated, the Architect will have access to the site for activities necessary for the performance of the services. If the Architect would like to damage the building and site as part of the Architect's evaluation of the work to be done the Architect must first receive the City's approval to make the damages, prior to the damage occurring. The Architect shall not be the responsible for any of the damage approved by the City.

ALLOCATION OF RISK

The Owner agrees, to the fullest extent permitted by law, to limit the liability of the Architect and his subconsultants to the Owner and to all construction contractors and subcontractors on the project for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses for any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of the Architect and his subconsultants to all those named shall not exceed the Architect's total fee for services rendered on the project or the available limits on the architect's professional liability insurance, whichever is less. It is intended that this limitation apply to any and all liability or cause of action, however alleged or arising, unless otherwise prohibited by law.

AMERICANS WITH DISABILITIES ACT

The Americans with Disabilities Act (ADA) provides that it is a violation of the ADA to design and construct a facility that does not meet the accessibility and usability requirements of the ADA, except where it can be demonstrated that it is structurally impractical to meet such requirements. The Owner acknowledges that the requirements of the ADA may be subject to various and possibly contradictory interpretations and that the standards for design practice as it relates to disabled legislation are still evolving. Therefore, the Architect shall use his reasonable professional efforts to interpret applicable ADA requirements and other federal, state and local laws, and to conform the construction documents to the requirements of such laws. However, the Architect cannot and does not warrant or guarantee the Owner's project will comply with interpretations of ADA requirements.

ASSIGNMENT

Neither party to this Agreement shall transfer, sublet, or assign any rights under or interest in this Agreement (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party. Subcontracting to subconsultants normally contemplated by the Consultant shall not be considered an assignment for purposes of this Agreement.

CONSTRUCTION COST

Construction Costs are defined as the cost of any and all building and site work requiring architectural drawing, documentation and advice; including Contractor fees, equipment, and counterwork. Construction Costs shall also include the absolute value of changes made after the completion of the contract document phase. It does not include the cost of professional architectural fees or interior furnishings. Until final construction costs have been presented, an estimated cost of construction, prepared by the Architect, will be used for calculating the billings.

CONSTRUCTION OBSERVATION

If described in this agreement as a part of basic services, the Architect shall visit the site at intervals deemed appropriate by the architect, in order to observe the progress and quality of the Work completed by the Contractor. Such visits and observation are not intended to be an exhaustive check or a detailed inspection of the Contractor's work but rather are to allow the Architect, as an experienced professional, to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.

Based on this general observation, the Consultant shall endeavor to keep the owner informed about the progress of the Work. If the Owner desires more extensive project observation or fulltime project representation, the Owner shall request that such services be provided by the Architect as Additional Services in accordance with the terms of this Agreement.

The Architect shall not supervise, direct or have control over the Contractor's work nor have any responsibility for the construction means, methods, techniques, sequences or procedures selected by the Contractor nor for the Contractor's safety precautions or programs in connection with the Work. These rights and responsibilities are solely those of the Contractor in accordance with the Contract Documents.

The Consultant shall not be responsible for any acts or omissions of the Contractor, subcontractor, any entity performing any portions of the Work, or any agents or employees of any of them. The Consultant does not guarantee the performance of the Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

DISPUTE RESOLUTION

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, the Owner and the Architect agree that all disputes between them arising out of or related to this agreement shall be submitted to non-binding mediation unless the parties mutually agree otherwise. Arbitration shall be a secondary method of dispute resolution. The Owner and the Architect further agree to include a similar provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, subconsultants, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements. A notice of demand for arbitration may not be made after the applicable statute of limitations.

EXCLUDED SERVICES

Those services shown on the attached list of "available services" that are not explicitly described under the proposed scope of basic services above are excluded. Additions to this scope of basic services may be provided under this agreement with a signed amendment to the agreement.

HAZARDOUS MATERIALS

Both parties acknowledge that the Architect's scope of services does not include any services related to hazardous or toxic materials including PFAS. In the event the Architect or any other party encounters hazardous or toxic materials at the jobsite, or should it become known in any way that such materials may be present to the jobsite, or any adjacent areas that may affect the performance of the Architect's services, the Architect may at his or her option and without liability for consequential or any other damages, suspend performance of services on the project until the Owner retains appropriate specialist consultants or contractors to identify, abate and/or remove the hazardous or toxic materials and warrant that the jobsite is in full

compliance with applicable laws and regulations. The client also understands that materials that are permissible under current building codes may at some future date be deemed hazardous; and that the architect is expected to meet current industry standards regarding the specification of materials deemed non-hazardous and that the architect may rely upon the accuracy of the manufacturer's data.

INDEPENDENT CONTRACTOR RELATIONSHIP.

In the performance of this Agreement, the relationship of the Architect to the Owner shall be that of an independent contractor and not that of an employee or agent of Owner. The Architect is and shall perform under this Agreement as an independent contractor, and no liability or responsibility with respect to benefits of any kind, including without limitation, medical benefits, worker's compensation, pension rights, or other rights or liabilities arising out of or related to an agreement for hire or employer/employee relationship shall arise or accrue to either party as a result of the performance of this Agreement.

The Architect, as an independent contractor, is not authorized to enter into or sign any agreements on behalf of the Owner or to make any representations to third parties that are binding upon the Owner. Although the Architect is required under this Agreement to advise, make recommendations to and to a limited extent represent the Owner, all plans, studies, applications, submittals, surveys, reports and any other information relating to the work must be submitted to and approved by the Owner or the Owner's authorized official prior to being disseminated to any third party and shall only be so disseminated if such dissemination is approved in advance by the Owner or an authorized Owner official.

INDEMNIFICATION

The Owner shall indemnify and hold harmless the Architect, his or her officers, directors, employees, agents and sub-consultants from and against all damage, liability and cost, including all attorney's fees and defense costs, arising out of or in any way connected with the performance by any of the parties above named with respect to the services under this agreement, excepting those damages, liabilities or costs attributable to the sole negligence or willful misconduct of the Architect. The Owner agrees to include this same indemnification in any agreement made with contractors, subcontractors, suppliers, or consultants who provide services or products with respect to this project, indemnifying the Architect as described above.

INSURANCE

Architect shall provide evidence of Professional Liability Insurance in an amount not less than \$1,000,000 per occurrence and \$1,000,000 aggregate. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan. All deductibles and SIRs are the responsibility of the Architect. The policy shall include an endorsement stating that it is understood and agreed Thirty (30) days, Ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to the City. Copies of all policies mentioned above shall be furnished, if so requested.

The Architect shall provide the City at the time that the contracts are returned to him for execution, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where cancellation notice is required would be acceptable. If any of the above coverage expires during the term of this agreement, the Architect shall deliver renewal certificates and endorsements to the City at least ten days prior to the expiration date.

INVOICES

HOPPE Design, LLC will invoice monthly for the portion of the work completed to that date and payment is due upon receipt of invoice. Payment due and unpaid shall bear interest from the date payment is due at the rate of 1-1/2 percent per month or the maximum allowable by law, whichever is lower. The Architect will obtain written approval of the Owner prior to proceeding with any services or work that is not stated herein; otherwise the Owner will not be billed for such extra/additional services or work.

JURISDICTION AND VENUE OF AGREEMENT

This Agreement shall be considered for all purposes, including the establishment of jurisdiction and venue in any court action between the parties, as the 47th District Court in Farmington, Michigan or in the 6th Circuit Court in Oakland County, Michigan.

JOBSITE SAFETY

Neither the professional activities of the Consultant, nor the presence of the Consultant, its employees or subconsultants at a construction/project site, shall impose any duty on the Consultant, nor relieve the General Contractor of its obligations, duties and responsibilities including, but not limited to, construction means, methods, sequences, techniques, procedures, or jobsite safety, including, but not limited to, injury and illness prevention programs or similar plans intended to mitigate or prevent injuries or exposure to pollutants, viruses, bacteria or pathogens of any kind, and necessary for performing, superintending or coordinating the Work in accordance with the Contract Documents and any health or safety precautions required by any regulatory agencies ("Contractor Duties"). The Consultant and its personnel have no authority to exercise any control over any construction contractor or its employees in connection with their work or any health or safety programs or procedures. The Client agrees that the General Contractor shall be solely responsible for jobsite and worker safety and warrants that this intent shall be carried out in the Client's contract with the General Contractor. The Client also agrees that the General Contractor and subcontractors shall defend and indemnify the Client, the Consultant and the Consultant's subconsultants from and against any claims, causes of action, demands or damages arising out of or relating to Contractor Duties. The Client also agrees that the Client, the Consultant and the Consultant's subconsultants shall be made additional insureds under the General Contractor's policies of general liability insurance.

OBSOLESCENCE

Although the Architect endeavors to specify products that are readily available, the Architect does not warrant that specified products will not be obsolete or in any other manner unavailable or inapplicable for the project, or that such products may not increase in cost for any reason. The Owner acknowledges that the Architect is not liable for costs associated with the unavailability of specified products, delays to the project due to the unavailability of specified products, or additional costs to the project due to replacement of unavailable products.

OPINIONS OF PROBABLE COST OF CONSTRUCTION

In providing opinions of probable cost of construction, the Owner understands that the Architect has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Architect's opinions of probable construction costs are made on the basis of the Architect's professional judgment and experience. The Architect makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Architect's opinion of probable construction cost.

OWNERSHIP OF DOCUMENTS

The Architect acknowledges that the owner is a public body, subject to Freedom of Information request and other transparency obligations. It is expressly acknowledged and agreed that all reports, opinions, compilations, research work, studies, data, materials, artifacts, samples, documents, plans, drawings, specifications, correspondence, ledgers, permits, manuals, applications, contracts, schedules, maps, logs, invoices, billings, photographs, videotapes and all other materials generated by and or coming into the possession of the Architect during the term of this Agreement that in any way relate to the performance of the work by the Architect under this Agreement or that are otherwise related or relevant to the work, belong exclusively to the Architect.

PERMITS AND APPROVALS

The consultant shall assist the Owner in connection with the Owner's responsibility for applying for those permits and approvals normally required by law for projects similar to the one for which the Architect's services are being engaged, if those services are listed in the Scope of Basic Services of this agreement. If not specifically listed in the Scope of Basic Services, then the Architect shall be compensated for this service as an Additional Service. This assistance shall consist of completing and submitting forms and providing information to the appropriate regulatory agencies having jurisdiction over the documents, and other services included in the Scope of Basic Services of this agreement. The Architect cannot and does not warrant or guarantee the Owner's project will comply with requirements of federal, state and local laws, rules, codes, ordinances, and regulations.

PRIOR CONTRACTS AND CONDITIONS

The Architect is not required to inspect, review, alter or evaluate in any way the services provided by a previous design professional.

REIMBURSABLE EXPENSES

Reimbursable expenses are in addition to compensation for services and include expenses incurred in the interest of the project and are as follows: expense of reproductions, postage and handling of drawings, specifications and other documents; mileage, and photographic expenses required of the Architect; fees paid for securing approval of authorities having jurisdiction over the project; renderings, models and mock-ups requested by the Owner; additional insurance coverage or limits, including professional liability insurance, requested by the Owner in excess of that normally carried by the Architect and the Architect's consultants. Reimbursable expenses will be billed at 1.15 (one point one five) times the amount billed the Architect. Costs for site surveying consultants, if required, will be invoiced directly to the Owner.

RIGHT TO RETAIN SUBCONSULTANTS

The Architect may engage the services of any subconsultants when, in the Architect's sole opinion, it is appropriate to do so; provided the Owner agrees to such engagement upon notice by the Architect. Such subconsultants may include any specialized consulting services deemed necessary by the Architect to carry out the scope of the Architect's services

SEVERABILITY

Any term or provision of this Agreement found to be invalid under any applicable statute or rule of law shall be deemed omitted and the remainder of this Agreement shall remain in full force and effect.

STANDARD OF CARE

In providing services under this Agreement, the Architect will endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances. Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed by either party to the other.

STATUTES OF REPOSE AND LIMITATION

All legal causes of action between the parties to this Agreement shall accrue and any applicable statutes of repose or limitation shall begin to run not later than the date of Substantial Completion. If the act or failure to act complained of occurs after the date of Substantial Completion, then the date of final completion shall be used, but in no event shall any statute of repose or limitation begin to run any later than the date the Architect's services are completed or terminated.

SURVIVAL

All limitations of liability, indemnifications, warranties, and representations contained in this Agreement shall survive the completion or termination of this Agreement and shall remain in full force and effect.

TERMINATION OF SERVICES

This agreement may be terminated by the Owner or the Architect for any reason. In the event of termination, the Owner shall pay the Architect for all services rendered to the date of termination that is eligible for payment under the terms of the Agreement, plus all reimbursable expenses to which the Architect is entitled.

THIRD-PARTY BENEFICIARIES

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Owner or the Architect. The Architect's services under this Agreement are being performed solely for the Owner's benefit, and no other party or entity shall have any claim against the Architect because of this Agreement or the performance or nonperformance of services hereunder. The Owner agrees to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.

UNAUTHORIZED CHANGES

In the event the Owner, the Owner's contractors or subcontractors, or anyone for whom the Owner is legally liable makes or permits to be made any changes to any reports, plans, specifications or other construction documents prepared by the Architect without obtaining the Consultant's prior written consent, the Owner shall assume full responsibility for the results of such changes. The Owner agrees to waive any claim against the Architect and to release the Architect from any liability arising directly or indirectly from such changes.

VERIFICATION OF EXISTING CONDITIONS

In as much as the remodeling and/or rehabilitation of an existing structure requires that certain assumptions be made regarding existing conditions and because some of these assumptions may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of the structure, the Owner agrees to bear all costs, losses and expenses, including the cost of the Architect's additional services, arising from the discovery of concealed or unknown conditions in an existing structure.

DRAFT

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 6N
Submitted by: Charles Eudy, Superintendent		
Agenda Topic: 9 Mile Retention Environmental Quality Basin		
<p>Proposed Motion: Move to approve the 9 Mile Retention Environmental Quality Basin Underdrain Control Panel Replacement with Oakland County Water Resource Commission in the amount of \$45,000 plus 20% contingency of \$9,000 Total estimated expense of the project is \$54,000. Allow City Administration to execute any required documents from Oakland County Water Resource Commissioners Office, subject to any minor amendments to the final form of the City Manager's office and the City Attorney's office.</p>		
<p>Background: At the LRP meeting in February 2024, Oakland County Water Resource Commission (OCWRC) recommended to consider replacement of the Underdrain Pump Station Control Panel at the 9 Mile Retention Environmental Quality Basin.</p> <p>The underdrain system is similar to a home's sump pump and foundation drainage system. The difference between a homes foundation drainage system and the 9 Mile Environmental Quality Basin foundation drainage system is the dual 5 horsepower submersible pumps are nearly 30 feet below grade, collect ground water from an area larger than a football field, and the drainage system for the basin and the pumping station is lower in elevation than the river. The 9 Mile Retention Environmental Quality Basin is a critical asset which will continue to need significant funding to maintain its operation.</p> <p>OCWRC will conduct the underdrain replacement project primarily with in-house staff but will have limited contracted services. According to the Chief Engineer at OCWRC, projects of this nature that require excavation deem the contingency to be increased to 20%.</p> <p>Public Works and City Administration recommends approving the 9 Mile Retention Environmental Quality Basin Underdrain Control Panel Replacement Project, with OCWRC in the amount of \$45,000 plus a 20% contingency (\$9,000), totaling \$54,000.</p>		
<p>Materials: Recommendation of award from OCWRC</p>		

May 9, 2024

Chuck Eudy
City of Farmington, Public Works Superintendent
23600 Liberty Street
Farmington, MI 48335

Re: Oakland County Water Resources Commissioner Office
Farmington Retention Basin
Underdrain Pump Station Control Panel Replacement

Dear Mr. Eudy:

WRC planned in our long range plan to replace the underdrain pump station control panel this fiscal year. The existing control panel is original to the pump station and has exceeded its useful life. Internal components of the control panel are showing signs of corrosion and some of the parts are obsolete. The scope of this work will include replacement of the existing panel, installation of unistrut for panel support, and installation of new wire/conduit from the motor control center to the pump station.

The following is WRC's estimate to replace the control panel.

Contracted Services - \$3,000

Materials and Supplies - \$31,000

WRC Services - \$11,000

Contingency (20%) - \$9,000

TOTAL - \$54,000

We will await your approval prior to starting this work.

Sincerely,

M. Drew Sandahl

M. Drew Sandahl, P.E.
Chief Engineer

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Item Number 60
Submitted by: Charles Eudy, Superintendent		
Agenda Topic: 9 Mile Water Booster Station		
<p><u>Proposed Motion:</u> Move to approve the 9 Mile Retention Water Booster Station Control Updates and System Improvements with Oakland County Water Resource Commission, total estimated expense of the project is \$33,000. Allow City Administration to execute any required documents from Oakland County Water Resource Commissioners Office, subject to any minor amendments to the final form of the City Manager’s office and the City Attorney’s office.</p>		
<p><u>Background:</u> At the LRP meeting in February 2024, Oakland County Water Resource Commission (OCWRC) recommended to consider replacement Control Updates and System Improvements of the Panel at the 9 Mile Water Booster Station.</p> <p>OCWRC will replace the pressure transducers which talk to the Programable Logic Controller (PLC) to control water pumping rates to the system and the ground storage tank (GST), the human machine interface (HMI) is vital to operate and control the operation of the booster station to remain in contractual water purchase limitations with Great Lakes Water Authority (GLWA). Much of this equipment was installed in 2010-2012 when OCWRC was contracted to manage the water booster station and tank. The system normally operates in a “level” monitoring mode but, when necessary, can be switched to a “pressure” monitoring mode when repairs in limited areas of the distribution system or GST occur. Sense OCWRC has been contracted to maintain and manage the Water Booster Station very few pressure breaks have occurred in contrast when Detroit Water & Sewage Department (DWSD) managed the station, we would routinely have several pressure breaks each winter. The 9 Mile Water Booster Station and associated components is a critical asset which will continue to need significant funding to maintain its operation.</p> <p>Public Works and City Administration recommends approving the 9 Mile Water Booster Station Control Updates and System Improvements, with OCWRC in the amount of \$30,000 plus a 10% contingency (\$3,000), totaling \$33,000.</p>		
<p><u>Materials:</u> Recommendation of improvements from OCWRC</p>		

May 9, 2024

Chuck Eudy
City of Farmington, Public Works Superintendent
23600 Liberty Street
Farmington, MI 48335

Re: Oakland County Water Resources Commissioner Office
Farmington Water System
Booster Station Control Updates and System Instrumentation Improvements

Dear Mr. Eudy:

WRC planned in the water system long range plan to perform updates to the booster station controls and make instrumentation improvements in the system this fiscal year. The pressure transducers at the water booster station have reached the end of their useful life. Additionally, we recommend replacement of the programmable logic controller (PLC) and the human machine interface (HMI) at the booster as they have also reached the end of their useful life. These instruments are critical for operation of this facility.

The following is WRC's estimate to replace the booster PLC and HMI and additional water system improvements:

Contracted Services - \$1,000

Materials and Supplies - \$18,000

WRC Services - \$11,000

Contingency (10%) - \$3,000

TOTAL - \$33,000

We will await your approval prior to starting this work.

Sincerely,

M. Drew Sandahl

M. Drew Sandahl, P.E.
Chief Engineer

Farmington City Council Staff Report	Council Meeting Date: April 15, 2024	Reference Number 6P
Submitted by: City Manager		
<p>Description: Consideration to amend Ordinance No. C-811-2024, Chapter 3, “Alcoholic Liquor,” of the City of Farmington Code of Ordinances, to change the definition of “public place,” in order to allow the use of alcohol at certain public facilities if a resolution of City Council is adopted and to prohibit the use at other public facilities, and Ordinance No. C-812-2024, amending Chapter 21, “Parks and Recreation,” of the City of Farmington Code of Ordinances, to prohibit alcohol consumption in parks except where authorized by City Council Resolution. SECOND READING.</p>		
<p>Requested Action: Move to amend Ordinance No. C-811-2024 and Ordinance No. C-812-2024.</p>		
<p>Background: Now that the City has acquired the property adjacent to the Governor Warner Mansion, City Council directed the Administration to evaluate what changes to ordinances or policy need to occur in order to allow alcohol at private events at the Mansion property.</p> <p>At a minimum, City Council needs to look at amending two ordinances that now prohibit alcohol at private events at the Mansion. The first is the City’s Alcoholic Liquor Ordinance, which precludes possession/consumption at public places. The second is the ordinance relating to parks, which has a similar prohibition (the Mansion is listed in various City documents as a park property).</p> <p>Attached for your consideration and potential approval at second reading are two ordinances that amend the current prohibitions to allow possession and/or consumption at public properties and facilities if authorized by resolution of City Council. The idea is to keep the general prohibition in the ordinance but allow the City Council to pass an appropriate resolution and/or policy that can be amended from time-to-time without the need to go through a full ordinance amendment process.</p>		
<p>Materials: Ordinance No. C-811-2024 and Ordinance No. C-812-2024.</p>		

STATE OF MICHIGAN
COUNTY OF OAKLAND
CITY OF FARMINGTON
ORDINANCE NO. C-811-2024

AN ORDINANCE TO AMEND CHAPTER 3, "ALCOHOLIC LIQUOR," OF THE CITY OF FARMINGTON CODE OF ORDINANCES, TO CHANGE THE DEFINITION OF "PUBLIC PLACE," IN ORDER TO ALLOW THE USE OF ALCOHOL AT CERTAIN PUBLIC FACILITIES IF A RESOLUTION OF CITY COUNCIL IS ADOPTED AND TO PROHIBIT THE USE AT OTHER PUBLIC FACILITIES.

THE CITY OF FARMINGTON ORDAINS:

Section 1 of Ordinance. Ordinance Amendment.

Chapter 3, "Alcoholic Liquors," Article I, "In General," Section 3-1, "Definitions," definition of "Public place," is hereby amended to read as follows:

Public place means any street, alley, park, public building, any place of business or assembly open to or frequented by the public, and any other place which is open to public view, or to which the public has access. Public place does not include places either licensed to sell alcohol under the Michigan Liquor Control Commission or for which a temporary permit is granted by the Michigan Liquor Control Commission for consumption on the premises; provided, however, that consumption of alcohol in publicly-owned buildings and in parks or other publicly-owned or administered areas, or public places of amusement, shall be permitted only pursuant to a policy and rules adopted by resolution by the City Council.

Section 2 of Ordinance. Ordinance Amendment.

Chapter 3, "Alcoholic Liquors," Article I, "In General," Section 3-5, "Consumption in Public," is hereby amended to read as follows:

Sec. 3-5. - Consumption or possession in public.

- (a) ~~No alcoholic liquor shall be consumed on the public streets or in public parks. No person shall consume nor possess any alcoholic beverage which shall be open or uncapped as would allow for consumption on any public street, highway, sidewalk, alley or any other area open to the general public, including any area designated for the parking of motor vehicles, whether public or privately owned, or any public park, unless excepted by definition in Section 3-1.~~

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- (b) No alcoholic liquor shall be consumed in any store or establishment doing business with the public in the city which is not licensed to sell such alcoholic liquor for consumption on the premises. This provision shall not apply to an establishment that is occupied by a business that is duly licensed under this City Code that is engaged in bona fide instructional activities as a principal permitted use of the premises under the Zoning Ordinance (such as painting, cooking, or sculpture) and that designates an area on the premises that is not open to the general public and has separate ingress and egress that complies with all applicable building codes, so long as such activities otherwise comply with all state and local laws, rules, and regulations. This provision shall not apply to occasional wine-tasting or beer-tasting or similar events conducted at a store or establishment that is authorized to sell alcohol on the premises, so long as such events otherwise comply with all state and local laws, rules, and regulations.
- (c) No person shall consume, transport nor possess any alcoholic beverage which shall be open or uncapped as would allow for consumption in any motor vehicle upon any street, highway or any other place open to the general public, including any area designated for the parking of motor vehicles, whether public or privately owned.
- ~~(d) No person shall consume nor possess any alcoholic beverage which shall be open or uncapped as would allow for consumption on any public street, highway, sidewalk, alley or any other area open to the general public, including any area designated for the parking of motor vehicles, whether public or privately owned.~~

Section 3 of Ordinance. Repealer.

All ordinances, parts of ordinances, or sections of the City of Farmington Code of Ordinances in conflict with this Ordinance are repealed only to the extent necessary to give this Ordinance full force and effect.

Section 4 of Ordinance. Severability.

Should any section, subdivision, clause, or phrase of this Ordinance be declared by the courts to be invalid, the validity of the Ordinance as a whole, or in part, shall not be affected other than the part invalidated.

Section 5 of Ordinance. Savings.

All proceedings pending and all rights and liabilities existing, acquired or incurred at the time this Ordinance takes effect, are saved and may be consummated according to the law in force when they were commenced.

Section 6 of Ordinance. Effective Date.

This ordinance shall be effective upon publication in the manner prescribed by law.

Section 7 of Ordinance. Enactment.

This Ordinance is declared to have been enacted by the City Council of the City of Farmington at a meeting called and held on the ____ day of _____, 2024, and ordered to be given publication in the manner prescribed by law.

Ayes:

Nays:

Abstentions:

Absent:

STATE OF MICHIGAN)
)ss.
COUNTY OF OAKLAND)

I, the undersigned, the qualified and acting City Clerk of the City of Farmington, Oakland County, Michigan, do certify that the foregoing is a true and complete copy of the Ordinance adopted by the City Council of the City of Farmington at a meeting held on the ____ day of _____, 2024, the original of which is on file in my office.

MEAGHAN BACHMAN, City Clerk
City of Farmington

Adopted:
Published:
Effective:

STATE OF MICHIGAN
COUNTY OF OAKLAND
CITY OF FARMINGTON
ORDINANCE NO. C-812-2024

AN ORDINANCE TO AMEND CHAPTER 21, “PARKS AND RECREATION,” OF THE CITY OF FARMINGTON CODE OF ORDINANCES, TO PROHIBIT ALCOHOL CONSUMPTION IN PARKS EXCEPT WHERE AUTHORIZED BY CITY COUNCIL RESOLUTION.

THE CITY OF FARMINGTON ORDAINS:

Section 1 of Ordinance. Ordinance Amendment.

Chapter 21, “Parks and Recreation,” Article II, “Rules and Regulations,” Section 21-27, “Alcoholic liquors Not Allowed,” is hereby amended to read as follows:

Sec. 21-27. - Alcoholic liquors not allowed.

No person shall ~~bring into or drink in any city park any alcoholic liquors~~ consume alcoholic liquors in any city park unless authorized by resolution of City Council and the property is posted with a notice that such consumption is permitted pursuant to certain rules and requirements.

Section 2 of Ordinance. Repealer.

All ordinances, parts of ordinances, or sections of the City of Farmington Code of Ordinances in conflict with this Ordinance are repealed only to the extent necessary to give this Ordinance full force and effect.

Section 3 of Ordinance. Severability.

Should any section, subdivision, clause, or phrase of this Ordinance be declared by the courts to be invalid, the validity of the Ordinance as a whole, or in part, shall not be affected other than the part invalidated.

Section 4 of Ordinance. Savings.

All proceedings pending and all rights and liabilities existing, acquired or incurred at the time this Ordinance takes effect, are saved and may be consummated according to the law in force when they were commenced.

Section 5 of Ordinance. Effective Date.

This ordinance shall be effective upon publication in the manner prescribed by law.

Section 6 of Ordinance. Enactment.

This Ordinance is declared to have been enacted by the City Council of the City of Farmington at a meeting called and held on the ____ day of _____, 2024, and ordered to be given publication in the manner prescribed by law.

Ayes:

Nays:

Abstentions:

Absent:

STATE OF MICHIGAN)
)ss.
COUNTY OF OAKLAND)

I, the undersigned, the qualified and acting City Clerk of the City of Farmington, Oakland County, Michigan, do certify that the foregoing is a true and complete copy of the Ordinance adopted by the City Council of the City of Farmington at a meeting held on the ____ day of _____, 2024, the original of which is on file in my office.

MEAGHAN BACHMAN, City Clerk
City of Farmington

Adopted:

Published:

Effective:

Farmington City Council Staff Report	Council Meeting Date: May 20, 2024	Informational
Submitted by: Melissa Andrade, Assistant to the City Manager		
Agenda Topic: Minutes from City's Boards and Commissions		
<p>CIA: March 2024 DDA: April 2024 Historical: April meeting canceled Parking: March minutes not yet presented Pathways: April 2024 Planning: May Meeting canceled ZBA: May meeting canceled Library: April 2024, draft Commission on Aging: March 2024 Farmington/Farmington Hills Arts Commission: March 2024 Commission on Children, Youth and Families: April 2024 Emergency Preparedness Committee: March 2024 Bicentennial Committee: March 2024</p>		

**CITY OF FARMINGTON
GRAND RIVER CORRIDOR IMPROVEMENT AUTHORITY
MINUTES
March 14, 2024**

CALL TO ORDER

The Farmington Grand River Corridor Improvement Authority meeting was called to order at 8:04 a.m. by Vice Chairman Carron.

Members Present: Carron, Graham, Thomas, Acceturra, O'Dell, Schneemann
Members Absent: King
Staff: Christiansen
Other: Beth Saarela, Jennifer Morris (OHM)

APPROVAL OF AGENDA

Motion by Graham, supported by Thomas to approve the agenda. Motion approved unanimously.

APPROVAL OF MINUTES

Motion by O'Dell, supported by Graham to approve the January 11, 2024 minutes. Motion approved unanimously.

LEGION SQUARE: BROWNFIELD PLAN INTERLOCAL AGREEMENT – AMERICAN LEGION HALL, 31775 GRAND RIVER AVENUE

Director Christiansen reviewed the project. Beth presented the agreement and draft motion. Motion by Schneeman, supported by O'Dell. Motion approved unanimously.

GRAND RIVER CORRIDOR IMPROVEMENT AUTHORITY DEVELOPMENT AND TIF PLAN UPDATE

Jennifer Morris (OHM) reviewed the TIF Plan Update (current status) and the draft plan. Director Christiansen also reviewed and provided development updates. Motion by Schneeman, supported by Thomas. Motion approved unanimously.

PUBLIC COMMENT

None.

BOARD COMMENT

None.

ADJOURNMENT AT 9:06 am Motion by Thomas, supported by Graham. Motion approved unanimously.



8:00AM Wednesday, April 3, 2024
City Hall Conference Room
23600 Liberty Street
Farmington, MI 48335

MINUTES

Called to order at 8:02am by Todd Craft.

1. Roll Call

Present: James McLaughlan, Sean Murphy, Todd Craft, Johnna Balk, Linda Deskins, Donovan Singleton, Tom Pascaris, Claire Perko (8:08)

Others Present: Kate Knight, Jess Westendorf

Absent: Shawn Kavanagh

2. Approval of Consent Agenda

a. **Minutes: March 6, 2024 Regular Meeting**

b. **Minutes: Feb 29, 2024 DDA Design Committee**

Motion by Balk, seconded by Deskins to approve the consent agenda. Motion passes unanimously.

3. Approval of Regular Agenda

Motion by McLaughlin, seconded by Deskins to approve the regular agenda. Motion passes unanimously.

4. Public Comment

Opened and closed at 8:03am by Todd Craft.

5. Executive Director Report

We received our approval from MEDC for Masons Corner Patronicity Campaign. Qualified for \$75K match. Print materials are in!

Two successful merchant meetings led by Jenny Paillon, Lindsay Kennedy, Shawn Kavanagh. Submitted our numbers from Oakland County's Placemaking Grant program for allocation of 40% reimbursement.

Thank you for attending Main Street Oakland County summit- a great chance to advocate with our commissioners.

Kate spoke at the Interface Retail Conference last week in Birmingham - discussed the energy and opportunity for developers in our Downtown.

Coming up – Redevelopment Ready Communities has asked for us to present on our experience with the program- using Castle Dental Lab.

6. Draft DDA Budget FY 2024-2025

Discussion of draft budget with two major grant-driven capital projects with Masons Corner and Art Promenade. Discussion of growing TIF with projects closing in the next couple years.

7. Art on the Grand Agreement with Farmington Hills Special Services

MOTION by McLaughlan, SECONDED by Pascaris, to approve the renewal of the Art on the Grand Contract between the DDA and Farmington Hills Special Services for 2024-2026. Motion passes unanimously.

8. Consideration to Authorize DDA Staff to Administer Construction Process Flexible Bidding Options for Masons Corner/Masonic Plaza

MOTION by Singleton, SECONDED by Pascaris, RESOLVED, that the Board authorizes DDA staff to administer contracts in partial process, with costs pre-bid based on current best unit pricing from adjacent, but separate streetscape general and sub-contractors, to maximize timing and cost efficiencies for the project because the standard bidding process would be impractical under the circumstances because it would likely escalate the costs of the overall project and further delay the project and impact surrounding businesses. Motion passes unanimously via roll call.

Ayes: McLaughlan, Singleton, Craft, Balk, Pascaris, Deskins, Perko.

Nays: 0

Absent: Kavanagh

9. Committee Updates:

a. Promotions Committee

We've had two great merchant led meetings. Shared updates with the board for new upcoming summer programming: Dinan Park concert series & Farmington Fit series which is moving forward with several downtown businesses on board.

b. Organization Committee Nothing to report

c. Business Development Committee Met with parking committee and discussed time parking for West Lot. We recommend 3-hour parking to coincide with rest of Downtown. 30-minute parking was preferred, but is unenforceable.

d. Design Committee New lighting fixtures for Riley Park with uplighting and glow as priority. Discussed archway for entrance to Riley Park East and West side. Replacing temporary arches with permanent solution including changeable signage. New signage discussion on grand river with the possibility of a giant toothbrush.

e. Public Art Committee Art project with the DIA for outstanding mural- collab with design and art committee at the pavilion.

10. Other Business

Heading to Birmingham, AL for Main Street Now Conference in May.
Executive Committee met last week and assigned work plan item leads.

11. Board Comment

Craft: Excited to have Sean back on the team. Check out the Dates of Interest listed in the packet.

Knight: Attending Inclusive Horizons on April 12th at Lathrup Village City Hall.

12. Adjournment

Motion to adjourn by Singleton, second by Pascaris. Motion passes unanimously.

Dates of Interest:

April 8, Launch Masons Corner Patronicity Crowdfunding Campaign

April 12, Empowering Small Businesses and Local Government

Through Purposeful Inclusion Managers Workshop

April 18, 2024 Ladies Night Out, Spring Edition, 5:00pm-9:00pm

April 31, CEDAM State Conference Downtown Presentation with MML and MEDC RRC, Thomsonville, MI

May 1, 2024 DDA Regular Board Meeting, 8:00am

May 6-9, Main Street Now, National Conference in Birmingham, AL



FARMINGTON PATHWAYS COMMITTEE

7:00 p.m.

MINUTES

APRIL 10, 2024

1. CALL TO ORDER 7:00 p.m.

2. ROLL CALL

Present: Tim Prince, Maria Taylor, Chris Weber, Joe VanDerZanden, Sue Lover, Heather Davies, Jamie Palmisano

Absent: Bill Gessaman

3. APPROVAL OF AGENDA

Motion to approve by Jamie and supported by Sue, approved unanimously.

4. APPROVAL OF MINUTES

a. MEETING MINUTES, MARCH 13, 2024

Motion to approve by Maria and supported by Jamie, approved unanimously.

5. OLD BUSINESS

a. BIKE PARK, PUMP TRACKS, AND SKATE PARK IDEAS FROM AMERICAN RAMP COMPANY – <https://americanrampcompany.com>

Tim shared he visited the Hawthorne Ridge Bike Park on Hines Drive and described his impressions. He suggested both the pump track and the skills course there could fit within the considered space in Shiawassee Park, with the pump track being the smaller of the two.

Chris shared that there is approximately 80,000 sq. feet of space.

i. Discussion with Brandon Robinson of American Ramp Company

Brandon summarized their products, including: skate parks, downhill bike courses, skills course, bike playgrounds, and pump tracks.

10 crews between install and construction, bike and skate – one stop design and install/products.

Brandon suggested with the aim of a teen demographic and avoiding a skate park since there is one in Farmington Hills, a pump track would be the most appropriate for teens as well as being very popular and in-demand, also fits a wide demographic and can accommodate most wheeled things – bikes, skate boards, scooters, and can be made to be more ADA type accessible.

Shared that there are options for cheaper, modular tracks as well as asphalt, with asphalt having the advantages of durability, flexibility, good grip to be used in most weather conditions, highly weather resistant and needing very little maintenance or maintenance cost. Also have opportunities to rent modular features to set up a temporary course to show to the community.

Options, designs and features, costs and specifics were discussed.

Brandon sent over a list of grants they're aware of that have been used for their tracks in the past.

Following the call with Brandon the Pathways Committee discussed possibilities of renting a modular track for an event to introduce to the community and get feedback and gauge interest such as The Cares Duck Days and the opportunity to seek corporate sponsors to help with funding.

Planned for Chris to follow up with Brandon and ask what surfaces the modular track can be set up on to know options for placement.

- b. SOCIAL MEDIA POST RELATED TO CROSS WALKS
Reviewed options created by Heather and refined for posting.
- c. BROOKDALE, SHERWOOD, SHAW SIDEWALKS
Reviewed the conditions and placement of existing sidewalks, discussed connecting gaps and improving and suggestion that the city consider connecting the sidewalks on one side of each Sherwood and Brookdale to provide a complete path for pedestrians on each street.
- d. RESOLUTION REGARDING PLACEMENT OF RAPIDLY FLASHING BEACONS
It was decided to wait until City Council has reviewed the annual budget and revisit this then.
- e. GRAND RIVER SPEED STUDY RESULTS
Traffic study results suggested that an official study would not end in the speed being changed. Discussed revisiting if the law for how speed limits are determined does change.

Maria made a motion for the city to send a letter to state representatives to support the law change. The movement was supported by Sue and passed unanimously. Maria will reach out and see if letters are still being collected, before writing a letter for the committee to review.

- f. NEW DAY FOR BIKE PARK TOUR
 - i. Event to be covered by amateur city photographer.
Meeting scheduled at the Hawthorne Ridge Bike Park for the May meeting, 5/8.

6. NEW BUSINESS

- a. ELECTION OF NEW OFFICERS
Chair - Tim is to continue. Unanimously supported
Vice-chair – Sue continuing - Unanimously supported
Secretary – Joe continuing - Unanimously supported
- b. ANY NEW TARGET AREAS?
Jamie suggested that Drake Park could use some accessible paths. 3 baseball diamonds with one far off in the field with no pathway to access it, far from parking lot, could use a path to access. Idea to consider for input for parks and rec plan, which considers redesign.

Chris – Grant opportunity – 3.5 million dollars from state in The Shared Streets and Spaces Grant. Due in June 7, 2024 for quick build projects to make streets more walkable. Up to \$200,000 dollar increments. It was suggested to apply for the art promenade project from Grad River across from Riley Park back to the future Maxfield Training Center condos as the project has existing plans.

Maria and Jamie said they would sit in on the scheduled talks April 15 and April 19th about the application requirements.

- c. ANY NEW CITY CONSTRUCTION PROJECTS?
 - i. 2024 Sidewalk Program

Reviewed map of planned sidewalk work for this year including the rest of the Bel-air Neighborhood, Raphael Street, and the sidewalk in front of Nail Bytes. Also an alley by Longacre is missing concrete. Book store on Thomas Street is planned to open this August. Reviewed DDA plan to create a visual pathway and eventually actual pathway back to the bookstore.

7. PUBLIC COMMENT

None

8. COMMITTEE MEMBER COMMENT

None

9. ADJOURNMENT

9:12 pm

Next meeting: MAY 8, 2024

Farmington Community Library Board of Trustees
Board Meeting - 6:00 p.m. – March 14, 2024
DRAFT

Board Members Present: Brown, , McClellan, Hahn, Snodgrass, Muthukuda, Doby

Board Members Absent: White, Murphy,

Staff Members Present: Siegrist, Showich-Gallup, Baker, Peterson

Staff Members Absent: None

CALL TO ORDER

The Regular Board Meeting was called to order at 6:06 by President Ernie McClellan.

APPROVAL OF AGENDA

MOTION by Snodgrass to approve the Agenda for the March 14, 2024, Board meeting was supported by Brown.

Vote: Aye: All in favor (6-0)

Opposed: None

Motion passed.

APPROVAL OF MINUTES

MOTION by Brown to approve the Minutes of the Regular Board Meeting held on February 8, 2024, was supported by Hahn.

Vote: Aye: All in favor (6-0)

Opposed: None

Abstain:

Motion passed.

TREASURER'S REPORT (K. Brown)

MOTION by Brown to approve February expenditures totaling \$387,023.70 was supported by Doby.

Vote: Aye: All in favor (6-0)

Opposed: None

Motion passed.

MOTION by Brown to receive and file February 2024 financial reports was supported by Muthukuda.

Vote: Aye: All in favor (6-0)

Opposed: None

Motion passed.

FRIENDS' REPORT (S. Charlesbois)

- Friends' board will not do citywide mailing this spring it will be virtual (email).
- Odds and Ends Art auction will be April 5, 2024, \$10.00 entry fee
- Big Book Sale April 5th- 7th
- Gala June 7, 2024

Farmington Community Library Board of Trustees
Board Meeting - 6:00 p.m. – March 14, 2024
DRAFT

LIBRARY DIRECTOR'S REPORT (K. Siegrist)

- Seed library kick off was very successful 200 participants
- Chamber of Commerce morning boost will be at the library April 4,2024, 8-9:15 AM
- FAAPN & AKA are hosting a literacy celebration event March 23, 2024

UNFINISHED BUSINESS

24/7 pick-up Lockers

MOTION by Doby to approve the installation of pick-up lockers not to exceed the amount of \$50,000.00 supported by Brown.

Vote: Aye: All in favor (6-0)

Opposed: None

Motion passed.

SUBCOMMITTEE UPDATES

Personnel - none

Master Plan – the committee met with MCD Architects; three options were presented. A full presentation of the master plan along with cost will be presented in April 2024

Finance- Budget amendment.

MOTION by Brown to add \$130,000.00 to revenue and expenditures to balance the budget, supported by Doby

Vote: Aye: All in favor (6-0)

Opposed: None

NEW BUSINESS

Budget hearing will be May 9,2024 at 6:00 pm - no motion.

CORRESPONDENCE

None

PUBLIC COMMENT

Maria Taylor and Kevin Parkins from Farmington City Council

TRUSTEE COMMENT

Discussion on bookmobile possibilities

ADJOURNMENT

The Board meeting was adjourned by President McClellan at 7:52. The next meeting of the Library Board is scheduled for Thursday, April 11, 2024, at 6:00 pm.

Respectfully Submitted,

**Farmington Community Library Board of Trustees
Board Meeting - 6:00 p.m. – March 14, 2024
DRAFT**

Library Board of Trustees

DRAFT

MEETING MINUTES
FARMINGTON AREA COMMISSION ON AGING
TUESDAY, MARCH 26, 2024-5:30 PM
COSTICK CENTER, 28600 ELEVEN MILE ROAD.
FARMINGTON HILLS MI 48336

Meeting called to order at 5:32 pm 3/26/24.

ROLL CALL:

Mary Buchan, Farmington Hills
Nancy Cook, Farmington
Vivek Das, Farmington Hills
Mic Fahey, Farmington
Dan Fantore, Farmington Hills
Dolli Lewis, Farmington Hills
Julie McCowan, Farmington Hills
Tiffany Tuttle, Farmington Hills
Julie Villani, Farmington Hills
Jane Frost, Farmington
Katherine Marshall, Farmington Hills
Marsha Koet, Senior Division Liaison

APPROVAL OF FEBRUARY 2024 MEETING MINUTES

Motion by Nancy Cook 2nd by Katherine Marshall

COMMITTEE REPORTS

COMMUNICATION, PROMOTIONS AND WEBSITE

EDUCATION COMMITTEE

The need to put new articles in the messenger/Katherine Marshall and Mary Buchan volunteered to edit it. Costick Center gym closed April 5th due to water damage. Video messages on Farmington Hills/Farmington, TV script for Marian on Video messages.

SENIOR CENTER ADVOCACY COMMITTEE

Discussed assisted living issues and long-term care plans for seniors.

Ombudsman 20 in Michigan for 5K beds \$3 million budget for 2025

Memory care issues

May 7th Elder law meeting free lunch.

VOLUNTEER BREAKFAST

4/11/24 9am -10:30am

SENIOR DIVISION LIAISON REPORT

City website updated by Marsha Koet

Art on Grand Discussed volunteers needed for booth.

2 new yoga instructors

63 meals going out on Easter morning.

OLD BUSINESS

NEW BUSINESS

DTE & Consumer Energy Vivek Das volunteered to getting information, on free energy checks for Seniors in their homes

AMBASSADOR REPORT

PUBLIC COMMENT

ADJOURNMENT

6:41pm

Next meeting Tuesday, April 23 at Costick Center.

Minutes submitted by Mic Fahey

MEETING MINUTES
FARMINGTON AREA ARTS COMMISSION
MARCH 14, 2024 -6:30 PM
THE HAWK FARMINGTON HILLS COMMUNITY CENTER
Activity Room C Second Floor
29995 TWELVE MILE ROAD
FARMINGTON HILLS, MI 48334
(248) 699-6712 www.fhgov.com

CALLED TO ORDER BY: Chair Perko AT: 6:40 p.m.

MEMBERS PRESENT: Claire Perko, Donald Fritz, Cheryl Blau, Celeste McDermott, Bree Schwartz, Nora Mason

MEMBERS ABSENT: Ted Hadfield, Lindsay Janoch, Jeff Dutka, Lesa Ferencz, Cindy Carleton, Sean Deason,

OTHERS PRESENT: Rachel Timlin, Cultural Arts Supervisor/Staff Liaison, Johnna Balk

APPROVAL OF AGENDA:

Motion by Commissioner McDermott, support by Commissioner Mason to approve the agenda with amendments.

Amendments: remove items from commissioner focused comments

MOTION CARRIED 6:0:0

APPROVAL OF FEBRUARY 8, 2024 MINUTES:

Motion by Commissioner Fritz, support by Commissioner McDermott to approve the agenda without amendments.

MOTION CARRIED 6:0:0

PUBLIC COMMENTS

none

CULTURAL ARTS DIVISION REPORT

Camp enrollment is already over 3500 a many camps sold out.

Art on the Grand artists confirmed and website updated. Classes and events are all going well.

Nora Mason asked about starting a Baby Comfort Station at Art on the Grand.

FARMINGTON ARTS REPORT

Claire: Heart the Art was successful in February, everyone said it was fun and a discussion about art downtown was productive. The art swing is very cool and going in the Masonic park, possibly. Goals for the upcoming year was discussed.

Kickstart opened end of February. Claire is doing a talk at Kickstart about networking on March 20th at 7pm.

Farmington film festival is at different locations, check their website, some at the Riviera and Civic. You can get a wristband for all shows, and the kids ones are free on weekend of March 22nd-23rd. Bicentennial for Farmington, lots of things going on for the bicentennial.

Farmington Public art reception Thursday, March 21st 7pm-9pm. Commissioner Balk will introduce the artists at 7:30pm.

Art awards

Voting tonight after the meeting..

Bench update

The wood was tagged in Bree’s shop for pickup for use in making a bench.

ARTS COMMISSION BUDGET

Commissioner Balk confirmed that the city of Farmington contributes a percentage of the arts commission budget.

Motion by Commissioner McDermott, support by Commissioner Fritz to use up to \$400 of commission budget to purchase refreshments for the inuagural Farmington Public Art Program reception.

MOTION CARRIED 6:0:0

COMMISSION FOCUSED 2024-2025 PROJECTS REVIEW

Art Awards

None

Little Art Library update

At Bree’s warehouse, with siding and paint and a plaque with an Instagram tag is made and ready for approval from the art committee. The Free Little Art Gallery will live at Skep Space as they own it. We will have an “unveiling” during one of Skep Space’s First Fridays.

Tree Sculpture/Bench update

Bree has the wood (for the benches) tagged and ready for Ted to pick up.

25th Anniversary Cultural Arts Musical Composition

Commissioner Sean Deason and Commissioner Fritz met with Daemon Crutcher, director of the community concert band, on what style, structure, content, motif, and approach of music they will be commissioning for the band’s 60th anniversary and the city’s bicentennial, and the cultural arts division anniversary (25th). A “Detroit sound” was discussed and how they could touch on each decade in the concert. They set up a timeline for a score to be ready by November so they can perform by spring of 2025. Performances throughout the summer and next December. They are still working on a budget to get the composition and printed score, looking for grants and any funding that’s available around.

COMMISSIONERS’ COMMENTS

Commissioner McDermott reports that the DIA documentary shorts were good and The Last Repair Shop was really good! She also commented on how great it is to have Kickstart open again. Charles McGee- famous artist featured in Claire’s child’s school (STEAM), was fascinating to find and discover at the DIA. Christian Robinson was another great artist she learned about for Black History Month. Commissioner Schwartz re-wrote the arts smarts program for her child’s school (Longacre). Commissioner Mason shared her progress with middle school students here at the Makerspace on making an interactive gear wall for the Hawk.

LIAISON COMMENTS

none

NEXT MEETING DATE: April 11, 2024

ADJOURNMENT

Adjourned by: Chair Perko Time: 7:56pm

Minutes drafted by: Nora Mason

Meeting Minutes
Farmington/Farmington Hills
Commission on Children Youth and Families
April 4, 2024
Community Room, Farmington Hills City Hall
31555 W Eleven Mile Rd, Farmington Hills, MI 48336

1. Call to order
 - a. Meeting called to order at 6:01pm
 - b. Members present: Jordan Scrimger, Rod Wallace, Sharon Snodgrass, Alisa Valden, Tanya Nordhause, Tammy Luty, Ashley Gabb, Bhumika Mistry, Bria Barker-Lewis
 - c. Members absent: Marie Sarnacki, Colleen Coogan, Brian Spitsbergen
 - d. Others present: Matt Gale, Marla Parker
2. Approval of Agenda
 - a. Rod moved, Tanya seconded
 - b. Motion passes unanimously
3. Approval of March 7 Minutes
 - a. Rod moved, Ashley seconded
 - b. Motion passes unanimously
4. Youth Division Update
 - a. Matt gave the update.
 - i. Grades up for participants of the afterschool program. Matt is working on a statistical report
 - ii. New staff hired
 - iii. Many participants in archery program joined the archery team.
 - iv. NFL Draft event was a hit.
 - v. Sewing, Playlabs, and track all popular. More coaches needed for track.
 - vi. First fire drill occurred April 3
 - vii. Escape room being built on the third floor of the Hawk
 - viii. Old media center being made into a conference center
5. Issues Committee Update
 - a. Career Night:
 - i. Jordan gave the update
 - ii. 46 people signed in. Jordan thought there were at least double that attending
 - iii. 17 vendors had tables
 - iv. 38 people filled out the feedback survey and got Hawk passes
 1. The most common way people heard about career night was word of mouth from family members
 2. Positive feedback of the career opportunities present
 3. Most attendees from Farmington Hills with some from surrounding cities
 4. 16-18 most common age group. 32-39 second most common. 76 was the oldest age
 5. Most people said they were looking for job information for themselves

- v. There was a discussion about having a “career fair” where people just come to learn about new jobs and a “hiring fair” where people come to actually apply to a specific job.
- b. Kindness Rock Garden Painting
- i. Rocks being painted April 22 from 4-7pm and May 11
 - ii. April 22 is at Heritage Park near the Rock Garden. May 11 is at the Farmer’s Market in downtown Farmington
 - iii. Vote to allocate \$600 for expenses related to Kindess Rock Garden Project
Sharon moved. Alisa Seconded
 - 1. Motion passed unanimously
- c. Mental Wellness Fair
- i. Rod gave the update
 - ii. There have been a few names proposed for the event but nothing has been finalized.
 - iii. There is a folder in the Google Drive with documents for/about the event
 - iv. Rod would like to get some social media posts going on video platforms
 - v. The idea for a sign in sheet has been axed so that people don’t feel pressured or intimidated
 - 1. Alisia asked if there might be a way to send out a survey or some way to gather data from attendees so we can improve future events
 - 2. There was a discussion about the best ways to gather feedback
 - vi. Alisa said Oakland Community Health Network may be willing to help advertise. Rod said he’d reach out.
 - vii. Tammy mentioned that we can’t have our own social media accounts but we can send content to the city to publish.
 - viii. Rod would like to have the first social media post made by the end of the week of 4/8
 - ix. Tanya said it may be difficult to get therapists to attend as they aren’t accepting new patients
 - 1. There was a discussion about other things that they can offer even if they aren’t accepting new patients.
 - x. Alisa asked how the rest of the commission can help
 - 1. Rod said helping get the word out and being there to volunteer are the best ways to help
 - xi. Vote to allocate \$500 for expenses related to the Mental Wellness Fair
 - 1. Moved by Tanya. Seconded by Alisa
 - 2. Motion passed unanimously
- d. Volunteer recognition
- i. Ashley gave the update
 - ii. The recognition opportunity has been shared with 83 participants with 18 nominations made so far
 - 1. Majority of nominations have been for the Adult and Group categories. Nominations for Family and Youth categories are needed
 - iii. Fliers posted in the community and posts have been made on social media but the word needs to be out more for nominations.
 - 1. There was a discussion about who to send information to if we want items to be included in the city newsletter

- iv. Nominations close on April 10 with a meeting to discuss nominations on April 17 at 7pm over Zoom. Ashley will send out the Zoom link to all interested attendees
- v. Event is scheduled for May 20 at City Hall before the city council meeting
- vi. Vote to allocate \$800 for expenses related to the Volunteer Recognition Event
 - 1. Sharon moved. Ashley seconded.
 - 2. Motion passed unanimously

6. New Business and Announcements

- a. Marla
 - i. Court is still hybrid between virtual and in-person. Judge Brady is 100% in-person and Marla is moving to more in-person.
- b. Matt
 - i. All outdoor facilities are up and running.
 - ii. Next event is Mom and Son Night Out on April 19
- c. Tammy
 - i. Let her know if you're coming to volunteer at the Rock Painting on April 22
- d. Sharon
 - i. Loved how many members of the committee were at Career Night
- e. Jordan
 - i. Came across a lot resources for mental health when she was looking for things for the Mental Wellness Fair. She will send a link.

7. Public Comments

- a. None

8. Adjournment

- a. Sharon motioned. Rod seconded
- b. Meeting adjourned at 7:03 pm

MEETING MINUTES
FARMINGTON / FARMINGTON HILLS EMERGENCY PREPAREDNESS COMMISSION
MARCH 4, 2024
FARMINGTON HILLS CITY HALL – VIEWPOINT ROOM
31555 W. 11 MILE RD.
FARMINGTON HILLS, MI 48336

CALLED TO ORDER BY: CHAIR WECKER AT 5:00 PM

MEMBERS PRESENT: SWEENEY, SLOAN, HOPFE, SCHERTEL, IGWE, SIEGRIST, ECHOLS, WECKER, THOMAS, WILLIAMS

MEMEBRS ABSENT: AVIE, CIARAMITARO, FORSHEE

OTHERS PRESENT: Friess (FPS), Aldred (FH City Council), Piggot (FHPD)

CITIZENS PRESENT: Jonathan James, Cassandra Williams

APPROVAL OF AGENDA:

Motion by Schertel, support by Sweeney, to approve the agenda as submitted.
Motion carried unanimously.

APPROVAL OF MINUTES:

Motion by Sweeney, support by Schertel, to approve January 8, 2024 meeting minutes as submitted.
Motion carried unanimously.

BUDGET ITEMS:

- haven't spent any additional funds since the last meeting
- going to purchase EPC shirts for new members
- going to purchase EPC member name plates for new members

UNFINISHED BUSINESS: (none)

- talked to assistant chief at FHPD and they have agreed to a small Narcan box in the lobby, large box will hopefully go to City Hall
- Self defense workshop – Bryan Pizzuti has a contract with The Hawk already and the EPC will endorse this person for any EPC hosted classes

NEW BUSINESS:

- Update on EPC outreach to community and meeting date with students to introduce youth through official school visit and procedures required. Member Thomas spoke directly with

the principal of Warner Middle School and she is interested in having an EPC member speak to the students. Thomas will contact the other middle schools and high schools.

- City-wide first aid training initiatives. There are four area-wide places that we can push first aid / CPR training: summer hiring for The Hawk and Costick Center lifeguards, YMCA lifeguards, and babysitting classes sponsored by the City. Are there any other avenues where we can be supportive?
- Is there something we can do with the press to become more engaged? The EPC used to write articles for the Observer and they lost interest. The Farmington Press is interested in what the EPC is doing.

COMMITTEE REPORTS:

LIAISON REPORTS:

- **FH Mayor (Rich)** – Emergency Preparedness is mission critical and foundational to the role of government. Thank you for your time and attendance and continued support of the EPC. How can we get Farmington Hills to be a destination City? Putting out new initiatives – vow renewals on valentine’s day, March 19 The Hawk (530-730) Farmington Hills is the only City on the list of destinations for the NFL Draft. Mayor and council are going to try to get out and about. One Tuesday a month at noon will be a walk at The Hawk with the mayor starting in April. Once a month on Saturdays will be coffee with council members starting in April. Looking at tough issues – looking at the winborn study, what can we do. Going to talk about the deer in the city. All of the Mayors of south Oakland county to talk about what they are going to do regionally about the deer. Council is really working well together. Will host a symposium in September on mental health and wellness that will hopefully bring specific, actionable items that the City can do. Changing some things in the community – for example, the development at 14 and orchard lake that will contain a mall and residential living. Doing great things for our seniors – Rose Development behind the Costick Center and will contain all 3 levels of care for seniors.
- **FPD (Friess)** – Commander Rick Friess, first meeting. Neighborhood Watch meeting March 14th at 630pm. There will be stop the bleed training during the neighbor watch meeting. This Friday is the bicentennial celebration from 5-9pm, downtown at Riley Park.
- **YMCA (Yuskawatz)** – Tomorrow is YUSA’s National Day of Giving. Any donations given tomorrow to the Farmington YMCA stays at the Farmington YMCA to provide direct assistance to the Farmington / Farmington Hills Community. Donations can be made in person or online. The annual donation breakfast is May 2. The lap pool is closed beginning to day through April 4 for major repairs. The therapeutic pool will remain open but access is through the hallway, not the locker rooms.
- **FHPD (Piggott)** – Citizens police academy is coming up – begins March 19 ends May 21st from 6-9pm. There are still spots open. Looking to hire police cadets – spots are filling up. \$20/hr and they give \$2500 for school while a cadet. There was a severe assault at the YMCA in the locker room. Braylen Edwards was in the locker room and was able to pull the offender off of the victim and slow his escape. FHPD was able to establish a perimeter

around the area and used FH Alert and they were able to get tips / reports in and were able to stop the suspect and detain him. Really pushing FH alert – you can sign up on the City’s website by creating an account, logging in, and agreeing to receive alerts.

PUBLIC COMMENT: (none)

COMMISSIONER COMMENTS:

- Hopfe – do the fire departments have training on electric vehicles? GM has partnered with OnStar to provide information on EV’s.
-

NEXT MEETING DATE:

It was confirmed that the next meeting date is on Monday, May 6, 2024 in the Community Room.

ADJOURNMENT:

Chair Wecker adjourned the meeting at 6:12 pm.

Minutes taken by Secretary Echols



FARMINGTON BICENTENNIAL TASK FORCE

April 23, 2024
7 PM – City Hall

Committee members present: Sean Murphy, Courtney Showalter, Pam Green, Chris Halas, Maria Taylor, Jill Keller, Maria S-G

Committee members absent: Micki Skrzycki

Others present: Carl Johnson

Sean called the meeting to order at 7:07pm.

A/ LADIES NIGHT OUT BOOTH REVIEW

-We sold 24 pint glasses (1 case), have under 200 that have not yet been distributed to businesses. Shoppers said they liked the heftiness of the glasses, the Mason jar shape, and the lower-end price point.

B/ FARMERS MARKET

-Chris showed two farmers market promo videos, one featuring James McLauchlan of Ground Control and one with market manager Walt Gajewski. Will be posted this week and next week. Maria T to add to the City FB schedule.

-Opening day merch sales: Sell what we have (Maria T to grab from FBC and Legato); order new styles in meantime.

-Schools are not interested in wax museum idea. Pam reached out to Sarah Davies about it – she and Pam will recruit 15 people and work on it together. Date tbd.

-Discussion ensued re: request for farmers market budget support for bicentennial activities (\$1,300). Items to include cornhusk doll making, 3 different historical speakers, pie contest among vendors, old-fashioned games, etc. Motion to approve \$1,300, by Pam, supported by Maria T, all ayes.

C/ MERCH UPDATE AND PLAN

Committee to research cost/interest in selling Farmington historical maps, 24x36 in size. Merch sales have been brisker than anticipated; committee to request of City Council that proceeds from merch sales be put toward future bicentennial events.

-Merch requests at LNO: V-necks for women, bigger sizes, kids sizes.

-To-do: Order 1,000 more pint glasses through Jason @ FBC.

D/ TIMELINE/PROMENADE PROJECT

-Carl shared a draft of the first timeline panel. First and last panels are square, with 4 rectangular panels in middle. First one to be welcoming script, 4 middle will be history timeline,

last one is logo lockup. Brian Golden to break down history into 4 chunks, Maria T to work on wordsmithing. Kate Knight working with property owner, who will need to sign off on final design. Project will then need to go to ZBA. Chris suggested printing one panel to scale as a visual for ZBA meeting.

-The launch date will need to be pushed out later in the year versus at Art On the Grand as originally proposed. Maria T will communicate this to Oakland County sponsors.

E/ ART ON THE GRAND

Sean and Maria T reviewed their meeting with AOG Planning Team.

-Serving wine at mural ribbon cutting is unlikely, since the art alley is on private property. Kate Knight suggested encouraging people to enjoy Syndicate drinks.

-Chalk art “coloring pages”: Kate advised that we’ll end up with inappropriate sketches. The committee did not feel that such graphics, doodled on sketches of Farmington icons like the Civic, would fit our brand, and decided to pass on the chalk art.

-Postcards to Farmington booth: We will be located by Starbucks with the nonprofits. Carl to print the postcards (1,000 – some with prompts to fill out, some to sell that can be mailed). Pam to order permanent markers. Committee will also sell postcards in packs of 8. This will be another low-budget, popular item. Hours: 10-7 Saturday, 11-5 Sunday. Volunteers: Jill, Maria T, Sean, Pam, recruit Sarah Davies.

-Maria S-G to follow up one more time with flower shops.

F/ FOUNDERS FESTIVAL

-Fire trucks: Committee will enter bicentennial parade items on one application. Pam talked to Chief Unruh about vintage fire trucks for parade, will contact firefighters collectors group with how many are committed. Bicentennial banner to be carried at beginning of parade. Wax museum kids to walk in costume (carry banner?)

-Float: Pam talked to Diane Bauman, who is putting the project out to art teachers (Diane did not sound hopeful). Maria T suggested having the Mayor’s Choice Award be for best bicentennial float, in order to conjure them up without the Committee having to create one ourselves – Maria T to contact the two Mayors with this proposal (then get the word to parade organizers).

-Bingo: Maria S-G spoke to Tiffany from PTA – they will run it all! Maria S-G to talk to Rachel Timlin (tent/chairs), Julie Law (notification of event). Will suggest using pint glasses, postcards as prizes and request that PTA considers paying the cost of the merch.

-Historic baseball game: Maria T reported that coordinator Marcus Dickson is checking availability of Northville team. There is interest from players.

-Guinness Book of World Records/frosting 200 cupcakes: Maria S-G to run this by Julie Law to see if she can find a sponsor.

G/ CARES FAMILY DAY/DUCK RACE SUBCOMMITTEE 8/6 – 8/7

Pam and Maria S-G reported back from their subcommittee meeting with Cares.

-The Big Jeep Blow-Up Duck is arriving Aug. 6. Pam and Maria S-G suggested to Cares that they make this more of a family night instead of just a photo-op – bring in food trucks, movie night (\$1,300 for movie, setup, takedown, license through Oakland County) sponsored by Essential Chiropractic. Diane Bauman will advertise through “Peach Jar” school advertising system. Asked Scott Freeman about popcorn; he is working on solution for keeping popcorn hot.

-Other activities: Petting farm (\$400 for 3 hours) with small animals (chickens, bunnies, heritage ducks in a nod to duck race), Cromwell Chiropractor to sponsor and will do chair massages next to it. Sawdust Penny Search / Fishing for Pennies: LOC will run this, will also give out adult prizes. Henna painting: will be run by FPS bilingual dept. Jacks/marbles/egg spoon race: Diane is looking for people to run this. YMCA doing yard games. Will be barbershop quartet. Chief Unrun is going to do a Fireman’s Relay. Diane will contact Hackbots about bringing robots. Cares bringing ice cream trucks, bounce houses. Food trucks: have to pay Cares \$250 for Tues/Wed. Looking into step dancing team, choirs.

-Subcommittee will have another meeting with Cares to modify special event permit to include food trucks.

H/ BICENTENNIAL PLAQUE

Maria T reported on Kathy Bilger’s efforts to secure a maroon-colored bicentennial plaque through the Historical Society of Michigan’s commemorative plaque program.

HSM was originally unwilling to grant Farmington a bicentennial plaque due to lack of a land plat map. In other words, we wouldn’t be able to list 1824 as the date of founding or Arthur Power as the founder; they said they could accept a record of the first post office as the city’s founding date, listing 1825 with postmaster Ezekiel Webb as the founder. This was not acceptable to the Bicentennial Task Force.

However, Kathy Bilger from Friends of Gov. Warner Mansion was determined. She had a meeting with Dave Decker from Oakland History Center, wrote up a 10-page thesis including multiple maps and primary sources, and argued our case so persuasively that not only was Farmington granted the plaque for 1824, but we also created a precedent for other municipalities to follow who may not have the map requirements. Kathy has submitted the application on the Bicentennial Task Force’s behalf.

Kathy also volunteered to do a talk on Arthur Power. Plus, after she discussed the “1824” beer at the History Alliance, everyone now wants to copy the idea, and it was suggested to have a beer tour of Michigan that features these history-themed signature beers.

The Bicentennial Task Force thanks Kathy Bilger for her extraordinary service to the City, the Farmington bicentennial, and for paving the way for other municipalities to celebrate their heritage as well.

I/ BICENTENNIAL GALA

Maria T reported back on a Gala subcommittee meeting held April 21 at Kickstart that covered ticket prices and sponsorships. Tickets to start at \$75 for general admission; there will be package deals that include two tickets, commemorative glasses, and (for VIP tickets) entry into the VIP reception.

Save the date for July 27. 6-7 VIP reception, 7:30-10 gala at Warner Mansion.

Bicentennial committee will cover marketing. Maria T to put together launch plan, create FB event through City (add Kickstart, F/FH Education Foundation as co-hosts). Chris Greig to create tickets through Eventbrite (tickets will be all-digital). Carl to create logo, a handout to use when soliciting sponsorships, and event "swag" (etched wine glass with logo). Bicentennial marketing team will have access to Ed Foundation's templates for printables. Goal is to roll out the event in late April/early May.

Pam suggested focusing the logo on the history aspect instead of the drinking aspect, as our literature will be sent home with kids and promoted in kid-friendly environments. The Bicentennial Task Force agreed to this request.

Next Gala committee meeting: Thursday, May 2, 8pm.

J/SPONSORS FOR THEN-AND-NOW APP, LIGHT SHOW

Pam sent out inquiries for light show sponsor. Zero response from Jennifer Whittaker at DTE. Pam checking with Gabe about the bare minimum base to start work on the light show (starting price was \$30k, would do for us at \$15k), and the drop-dead date for total funding. Maria T to reach out to Phil Power (pitch starting with Arthur Power ancestry as first slide). Maria S-G is in contact with Bosch, will follow up. Date for light show would be in fall, on bank building across from Dinan Park. Committee is still actively searching for augmented reality app sponsors.

Sean adjourned the meeting at 9:36pm.

-Submitted by Maria Taylor