



CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE, Grand Rapids, Michigan 49546

NOTICE OF PUBLIC MEETING VIA IN PERSON ATTENDANCE AND VIDEO CONFERENCE

In accordance with Public Act 228 of 2020, which declares that public bodies subject to the Open Meetings Act can use telephone and/or video conferencing technology to meet and conduct business during the ongoing COVID-19 pandemic between March 30, 2021 and December 31, 2021 (subject to a local State of Emergency declaration, which has been declared by Kent County), the Cascade Charter Township Board of Trustees will conduct a regular meeting on Wednesday, April 14 at 7:00pm utilizing both in-person attendance and the Zoom video conferencing platform, for the purpose of conducting official business while complying with the Michigan Department of Health and Human Services orders and recommendations designed to help prevent the spread of COVID-19. For up-to-date information regarding the ongoing public health crisis, please visit:

<http://www.Michigan.gov/coronavirus> or <http://www.CDC.gov/coronavirus>

INSTRUCTIONS FOR ACCESS AND PARTICIPATION

Meeting ID: 842 5703 6982

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/84257036982>

iPhone one-tap :

US: +13017158592,,84257036982#

or

+13126266799,,84257036982#

Telephone:

(for higher quality, dial a number based on your current location):

+1 312 626 6799

or +1 929 205 6099

or +1 346 248 7799

or +1 669 900 6833

or +1 253 215 8782

or +1 301 715 8592

International numbers available: <https://us02web.zoom.us/j/84257036982>

Members of the public with disabilities may utilize the Michigan Relay System (7-1-1) to participate in the meeting. If other aids or services are needed for individuals with disabilities please contact the Township Assistant Township Manager, Stephanie Fast, at sfast@cascadetwp.com or 616-949-1500 at least 24 hours prior to the meeting

PUBLIC PARTICIPATION

Members of the public wishing to attend virtually will be able to listen to and view all discussion by the Township Board and all official materials for this meeting prepared for the Township Board will be included in the meeting packet and available to the public on the Township website www.cascadetwp.com. Individuals will be permitted to speak during public comment periods in accordance with the Township Remote Public Meeting Procedure Policy.

If you would like to contact the Cascade Township Board about any matter, on the agenda or otherwise, please do so via email at the addresses below a minimum of 8 hours prior to the meeting. If you wish comments to be read into the public record during the public comment period, you must indicate so and draft communication that can be read in the allotted 3-minute timeframe.

Supervisor Grace Lesperance: glesperance@cascadetwp.com

Clerk Sue Slater: sslater@cascadetwp.com

Treasurer Ken Peirce: kpeirce@cascadetwp.com

Trustee Jim Koessel: jkoessel@cascadetwp.com

Trustee Timmy Noordhoek: tnoordhoek@cascadetwp.com

Trustee Tom McDonald: tmcdonald@cascadetwp.com

Trustee John Shipley: jshipley@cascadetwp.com

Manager Ben Swayze: bswayze@cascadetwp.com

AGENDA
CASCADE CHARTER TOWNSHIP
REGULAR BOARD MEETING

Wednesday, April 14, 2021

7:00 P.M.

HYBID FORMAT

Wisner Center

2870 Jacksmith Drive SE, Grand Rapids 49546

AND

Via video conference software Zoom

Expected Meeting Procedures

1. During public comments you may speak on any item not noted on the agenda for a public hearing.
2. Please limit comments to 3 minutes per person and the Board may or may not choose to respond.
3. Please limit your comments to a specific issue.
4. Please turn OFF cellular phones.

Article 1. Call to Order, Roll Call

Article 2. Pledge of Allegiance to the Flag

Article 3. Approval of Agenda

Article 4. Presentations

Article 5. Public Comments-Anything on the Agenda not scheduled for a public hearing. (limit comments to 3 minutes)

Article 6. Approval of Consent Agenda

- a. Receive and File Minutes
 1. Township Board Minutes – 3/24/21
- b. Receive and File Reports
 1. Cascade Inspection Services Report – March 2021
 2. East Precinct Reports – 4th Quarter 2020
 3. East Precinct Reports – Year End 2020
- c. Receive and File Education Requests
 1. Jim Walker & Colin Rodriguez – Live Fire Spring Training Camp – April 18 – 20, 2021; Fairland Indiana
 2. Dennis Rowlander & Bill Benoit – COCM Conference – May 10 – 12; Bay City Michigan
- d. Receive and File Communication
 1. Kent County Road Commission – 2021 Budget and Five-Year Improvement Plan

Article 7. Financial Actions

- a. Consider Approval of February 2021 Payroll, Payables and Transfers
- b. Consider Approval of February 2021 Financial Reports

- Article 8. Unfinished Business - None**
- Article 9. New Business**
- 036-2021 Consider a Contract with Hamilton Helicopters Inc. for Gypsy Moth Suppression Services**
- 037-2021 Consider Appointments to the Parks Committee**
- 038-2021 Consider Appointments to the Citizen PFAS Advisory Committee**
- Article 11. Public Comments – Any comments...whether it is on the Agenda or not. (limit comments to 3 minutes)**
- Article 12. Manager Comments**
- Article 13. Board Member Comments**
- Article 14. Adjournment**

**MINUTES OF THE
CASCADE CHARTER TOWNSHIP
REGULAR BOARD MEETING**

Wednesday, March 24, 2021
Virtual Zoom Meeting
7:00 P.M.

Article 1. Supervisor Lesperance called the meeting to order.
Present: Supervisor Lesperance, Clerk Slater, Treasurer Peirce, Trustees Koessel, McDonald, Shipley and Noordhoek.
Absent: None
Also Present: Township Manager Swayze, Assistant Township Manager Fast and DDA/Economic Development Director Korhorn.

Article 2. Supervisor Lesperance led the Pledge of Allegiance.

Article 3. Approval of Agenda
Motion was made by Trustee Shipley and seconded by Clerk Slater to approve the Agenda with a change to the Consent Agenda that item e. be moved to New Business as 035-2021. Motion carried unanimously.

Article 4. Presentations
Report of visit to Portage Fire Station by Trustee Noordhoek.

Article 5. Public Comments

Article 6. Approval of Consent Agenda

- a. Receive and File Minutes
 - 1. Township Board Minutes – 3/10/2021
 - 2. Public Safety Advisory Committee Minutes-2/8/21
 - 3. Personnel Finance Committee Minutes-2/10/21
- b. Receive and File Reports
 - 1. Treasurer’s Report-November 2020
- c. Receive and File Education Requests
 - 1. None
- d. Receive and File Communication
 - 1. None

Motion was made by Trustee Shipley and seconded by Trustee Koessel to approve the Consent Agenda as presented (with change noted above). Motion carried unanimously.

Article 7. Financial Actions
a. None

Article 8. Unfinished Business

Article 9. New Business

031-2021 Consider a Resolution Approving the Brownfield

Redevelopment Authority (BRA) By-Laws (Roll Call)

Motion was made to table by Trustee Noordhoek, seconded by Trustee McDonald. Motion carried unanimously by roll call vote.

032-2021 Consider a Resolution Adopting the 2021 Poverty Exemption Policy & Guidelines (Roll Call)

Motion was made for approval by Trustee McDonald and seconded by Trustee Shipley. Motion carried unanimously by roll call vote.

032-2021 Consider Interurban Transit Partnership (The Rapid) Transportation Services Contract

Motion was made for approval by Trustee Koessel, seconded by Treasurer Peirce with the provision DDA is asked to fund at 100%. Motion carried with a vote of 4-3. In favor: Treasurer Peirce, Clerk Slater, Trustee Koessel, Trustee McDonald. Opposed: Trustee Noordhoek, Trustee Shipley, Supervisor Lesperance.

033-2021 Consider a Resolution Establishing the Ad Hoc Laraway Lake Special Assessment District No. 1 Committee, Specifying its Duties and Covering Other Matters (Roll Call)

034-2021 Consider a Resolution Establishing the Ad Hoc Thornapple River Special Assessment District No. 1 Committee, Specifying its Duties and Covering Other Matters (Roll Call)

Motion to table both items (33/34) by Supervisor Lesperance, seconded by Trustee Noordhoek due to a procedural error in the SAD process which renders it defective. The pre-condition was not pre-certified per state statute. Motion carried unanimously by roll call vote.

035-2021 Deputy Positions Re-alignment

Motion for approval by Tom McDonald, seconded by Jim Koessel. Motion carried by roll call vote 6-1. In favor: Trustees McDonald, Koessel, Shipley and Noordhoek, Treasurer Peirce, Supervisor Lesperance. Opposed: Clerk Slater.

Article 11. Public Comments

Keely Shay-7486 Alaska Ridge-addressed the board about her concern regarding requested information on the CARES act funds.

Kristin Carlson-7200 Red Bud Lane-(written comments) is not in favor of bus service funded by the DDA.

Craig Meurlin - 6333 Thornhills Ct. SE. – The bus is a good thing for those who need to get to Cascade for their employment. He also now understands why the Board would not agree to fund internet for private residents; also he checked a resource which indicates Cascade does have 100% coverage.

Article 12. Manager Comments

Article 13. Board Member Comments

Trustee Shipley offered the following comments:

Thanked the residents for attending the meeting.

Reminder that offices in the Township are hired by the board; the board is hired by the residents.

Trustee McDonald-thinks the board is doing a good job and certainly looking out for residents' and business' interests.

Supervisor Lesperance thanked residents for their oversight of the board.

Trustee McDonald thanked Mr Meurlin for mentioning the importance of bus service for those less fortunate.

Trustee Koessel-acknowledged Treasurer Peirce and Jim Horman (architect) for detailed explanation of costs related to the fire station plans.

Supervisor Lesperance-thanked Trustee Noordhoek for suggestion to visit the Portage Fire Station.

Article 14. Adjournment

Motion was made by Trustee Noordhoek and seconded by Trustee McDonald to adjourn. Motion carried unanimously.

Meeting adjourned at 8:12 p.m.

Sue Slater
Clerk

Approved by:

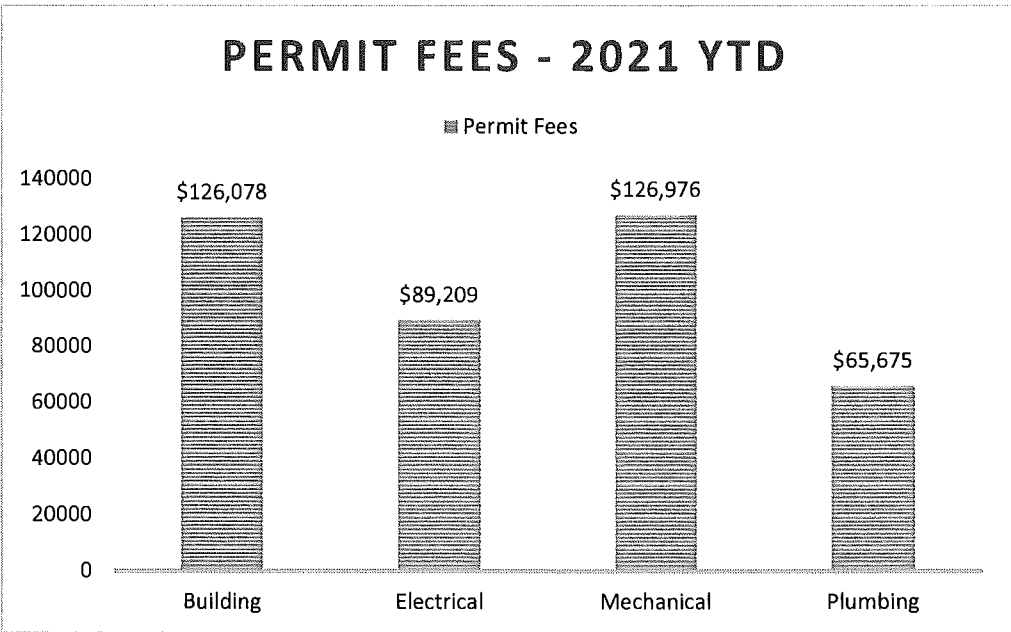
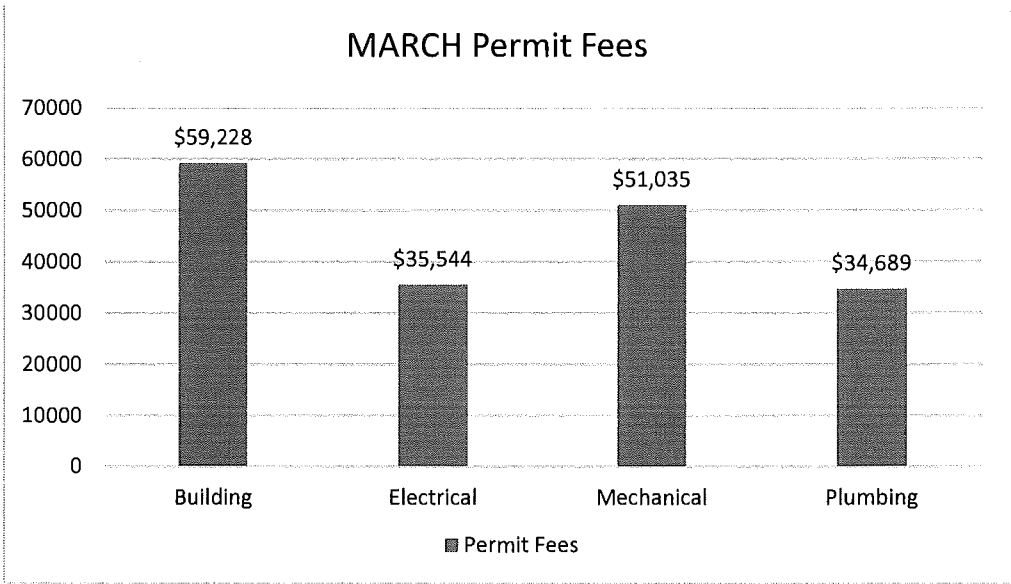
Grace Lesperance, Supervisor

Susan B. Slater, Clerk

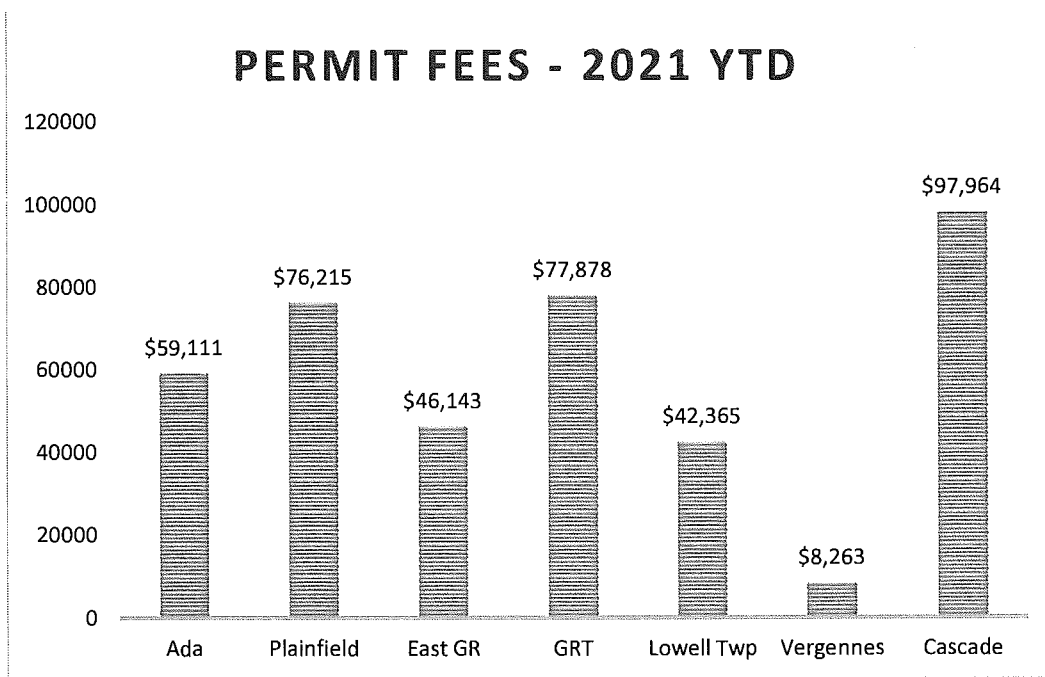
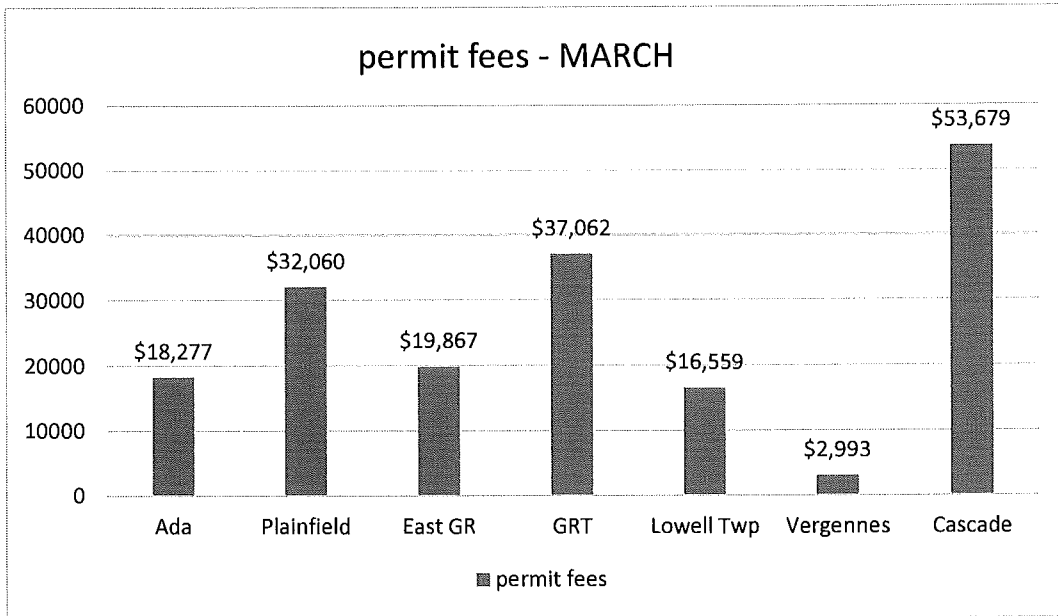
Cascade Inspection Services

MARCH 2021

Permit Fees by Type



Permit Fees by Municipality



Township	#of Per Building	#of Per Electrical	# of Per Mechanical	# of Per Plumbing	Total Permits	Total Fees
PREV YTD TOTAL	200	346	595	244	1385	\$227,442.25
MARCH						
Cascade	53	27	77	47	204	\$53,678.75
Lowell Twp	18	15	17	16	66	\$16,559.00
Ada	34	29	40	16	119	\$18,276.75
Vergennes		5	5	5	15	\$2,993.00
GR Twp	39	40	82	23	184	\$37,061.50
EGR	37	27	40	24	128	\$19,866.50
Plainfield		54	99	69	222	\$32,060.00
					0	\$0.00
MONTH TOTAL	181	197	360	200	938	\$180,495.50
YTD						
TOTAL -2020	381	543	955	444	2323	\$ 407,937.75
TOTAL -2019	1628	2017	3410	1616	8671	\$ 1,726,619.65
TOTAL -2018	1675	2288	3478	1469	8910	\$ 1,591,688.45
TOTAL -2017	1705	2116	3585	1654	9060	\$ 1,996,897.00
TOTAL -2016	1758	2210	3273	1485	8726	\$ 1,762,559.25
TOTAL -2015	1475	1992	3217	1404	8088	\$ 1,414,495.24
TOTAL -2014	1510	1948	3070	1361	7889	\$ 1,594,801.81
TOTAL -2013	1354	1780	2860	1257	7251	\$ 1,469,705.70
TOTAL -2012	1241	1667	2583	969	6460	\$ 1,409,673.76
TOTAL -2011	1,122	1,349	2,134	835	5,440	\$ 1,065,999.29
TOTAL -2010	949	990	1585	753	4277	\$ 859,303.35
TOTAL -2009	850	1330	1644	625	4449	\$ 756,490.25
TOTAL -2008	712	875	1313	554	3463	\$ 571,382.75
TOTAL -2007	848	1043	1348	697	3933	\$ 951,266.55
TOTAL -2006	1032	1069	1447	778	4326	\$ 723,879.15
TOTAL -2005	1181	1547	2147	1243	5173	\$ 940,523.41
TOTAL -2004	1032	1369	1874	1111	5386	\$ 967,209.45

CASCADE CONSOLIDATED FEES

YEAR 2021

MONTH	Building		Electrical	Mechanical	Plumbing	TOTAL
	Comm.	Residential				
JANUARY	\$1,005.00	\$4,853.00	\$6,552.00	\$5,952.00	\$2,673.00	\$21,035.00
FEBRUARY	\$2,345.00	\$6,482.00	\$4,979.00	\$6,810.00	\$2,534.00	\$23,150.00
MARCH	\$23,045.00	\$8,099.00	\$5,506.00	\$9,662.75	\$7,366.00	\$53,678.75
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
YEAR END TOTAL	\$26,395.00	\$19,434.00	\$17,037.00	\$22,424.75	\$12,573.00	\$97,863.75
PERMIT # FOR MONTH	15	38	27	77	47	204
PREV PERMIT TOTAL	10	45	70	109	49	283
PERMIT TOTAL FOR YR	25	83	97	186	96	487
YEAR TO DATE	2021	\$97,863.75				
YEAR TO DATE	2020	\$76,479.50				
OVER	\$21,384.25					

CASCADE SINGLE FAMILY HOMES

Number of Permits	MARCH	YTD 2021	2020	2019	2018
New Residential Homes	5	12	55	38	43
VALUE - RESIDENTIAL	\$ 1,656,571.00	\$ 4,834,618.00	\$ 36,322,102.00	\$ 18,187,545.00	\$ 28,327,352.00

Cascade Twp -Permit Report by Category/ Fe

1/1/2021 12:00:00 to 3/31/2021 12:00:00

Permit	Applicant	Address	Issue Date	Project Value	Permit Fee
Res. Single Family					
PB21000227	JTB HOMES LLC	8138 HONESUCKLE HILL CT	03/16/2021	419,700	899.00
PB21000286	ELON HOMES LLC	4929 STREAMSIDE POINTE DR S	03/17/2021	340,000	709.00
PB21000294	BUFFUM BUILDERS LI4885	PRAIRIE RIVER DR SE	03/17/2021	289,000	725.00
PB21000318	JTB HOMES LLC	4647 HARBOR VIEW DR SE	03/25/2021	316,200	823.00
PB21000338	BUFFUM BUILDERS LI4873	PRAIRIE RIVER DR SE	03/19/2021	291,671	779.00
				1,656,571	3,935.00
5	Permits	Value Total		1,656,571	3,935



Kent County Sheriff's Office

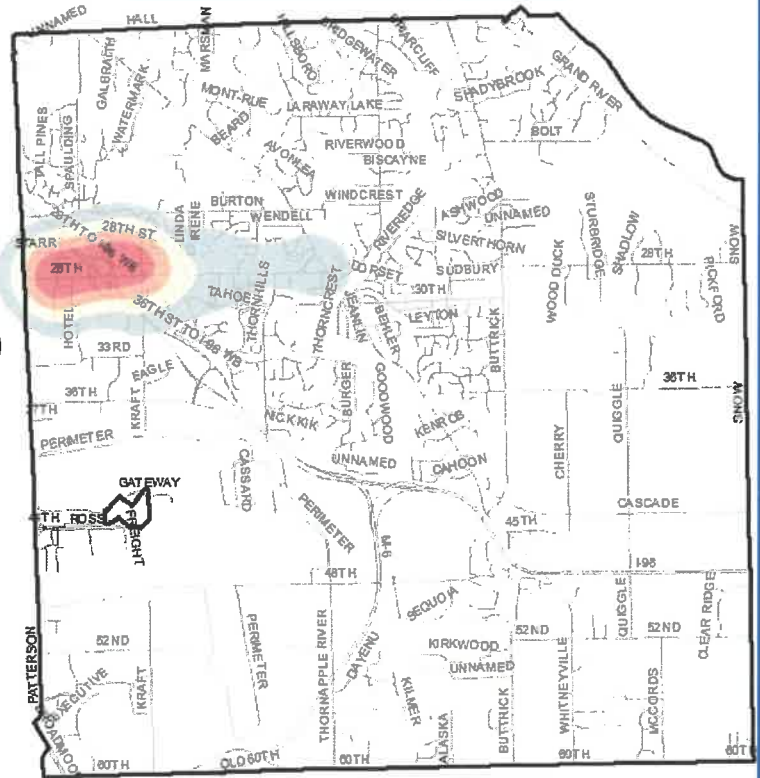
Cascade Twp

10/1/20 - 12/31/20

Cascade Twp

- Total Calls for Service: 950 (4th) ●●●●¹
- Total Traffic Stops: 293 (4th)
- Total Reported Offenses: 291 (4th)
- Top 3 Calls For Service: ●●●²
 1. Alarm (199 Calls)
 2. Suspicious Condition/Noise/Subject (102 Calls)
 3. Fraud - Embezzlement, Forgery, Retail (70 Calls)
- Top 3 Repeat Call Addresses: ●●●³
 1. 5100 Blk 28th St SE (93 Calls)
 2. 5500 Blk 28th St SE (76 Calls)
 3. 4900 Blk 28th St SE (39 Calls)
- Top 3 Responding Units: ●●●⁴
 1. 4121 (223 Calls)
 2. 4321 (220 Calls)
 3. 4225 (172 Calls)
- Avg. # of Units Assigned Per Call: 1.90
- Avg. Hold Time: 6 Min, 47 Seconds ●●●●⁵
- Avg Response Time: 17 Min, 10 Seconds ●●●●⁶
- Top 3 Crimes ●●●⁷
 1. Retail Fraud - 39
 2. Larceny from Motor Vehicle - 29
 3. Domestic Simple Assault - 24
- Total Detective Bureau Time: 238 Hours (5th)

Calls for Service "Hotspot" Map



Legend

- Low Density
- Medium
- Medium High
- High Density



Click on flame for hotspot details



Kent County Sheriff's Office

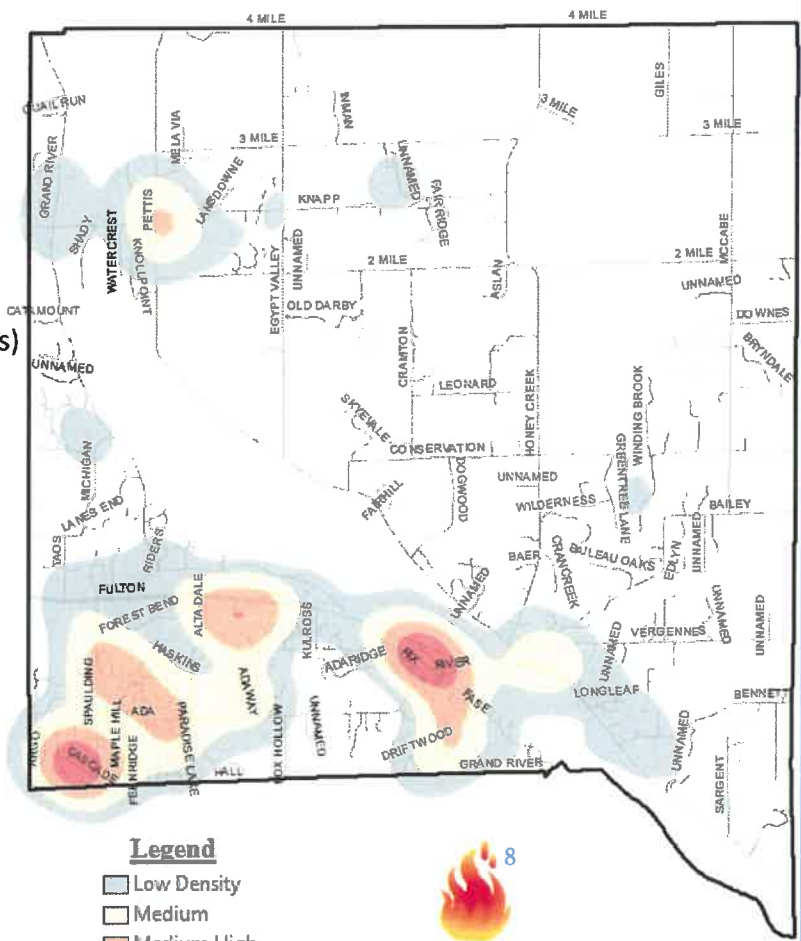
Ada Twp

10/1/20 - 12/31/20

Ada Twp

Calls for Service "Hotspot" Map

- Total Calls for Service: 306 (9th) ●●●¹
- Total Traffic Stops: 250 (7th)
- Total Reported Offenses: 61 (12th)
- Top 3 Calls For Service: ●●●²
 1. Alarm (61 Calls)
 2. Traffic Crash - Property Damage (35 Calls)
 3. Suspicious Condition/Noise/Subject (27 Calls)
- Top 3 Repeat Call Addresses: ●●●³
 1. 6000 Blk E Fulton ST (10 Calls)
 2. Cascade Rd SE / Spaulding Ave SE (6 Calls)
 3. 7100 Blk E Fulton St (6 Calls)
- Top 3 Responding Units: ●●●⁴
 1. 4225 (84 Calls)
 2. 4121 (50 Calls)
 3. 4120 (49 Calls)
- Avg. # of Units Assigned Per Call: 1.80
- Avg. Hold Time: 5 Min, 54 Seconds ●●●⁵
- Avg Response Time: 16 Min, 30 Seconds ●●●⁶
- Top 3 Crimes ●●●⁷
 1. Larceny - 7
 2. Identity Theft - 6
 3. Larceny from Motor Vehicle - 6
- Total Detective Bureau Time: 87 Hours (9th)



Legend

- Low Density
- Medium
- Medium High
- High Density



Click on flame for hotspot details



Kent County Sheriff's Office

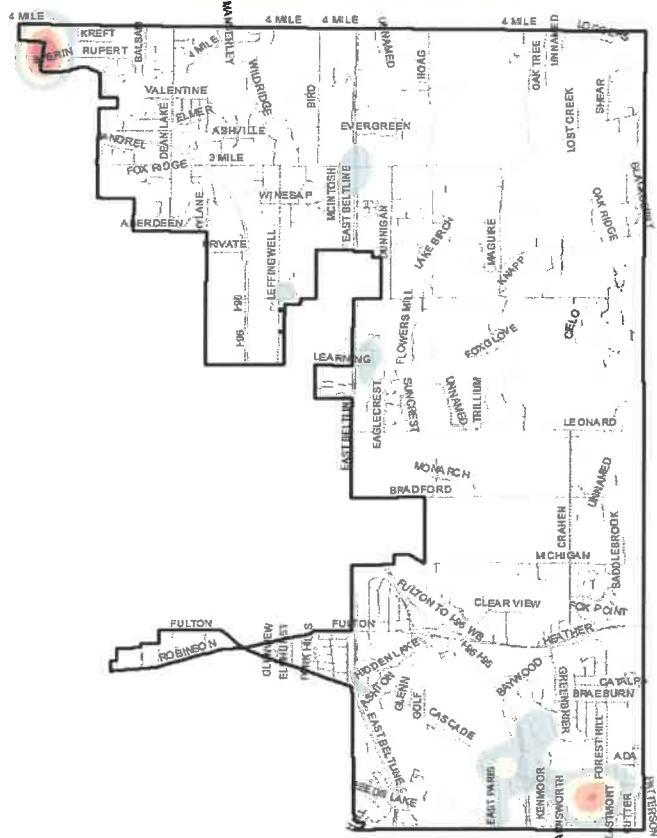
GR Twp

10/1/20 - 12/31/20

Grand Rapids Twp

- Total Calls for Service: 539 (6th) ●●●●●¹
- Total Traffic Stops: 227 (8th)
- Total Reported Offenses: 115 (7th)
- Top 3 Calls For Service: ●●●²
 1. Alarm (105 Calls)
 2. Assist (58 Calls)
 3. Suspicious Condition/Noise/Subject (55 Calls)
- Top 3 Repeat Call Addresses: ●●●³
 1. 3300 Blk Plainfield Ave NE (23 Calls)
 2. 1000 Blk Medical Park Dr SE (20 Calls)
 3. 3500 Blk Plainfield AVE NE (15 Calls)
- Top 3 Responding Units: ●●●⁴
 1. 4225 (124 Calls)
 2. 4223 (120 Calls)
 3. 4321 (99 Calls)
- Avg. # of Units Assigned Per Call: 1.91
- Avg. Hold Time: 6 Min, 31 Seconds ●●●●●⁵
- Avg Response Time: 17 Min, 22 Seconds ●●●●●⁶
- Top 3 Crimes ●●●⁷
 1. Driving Law Violations - 12
 2. Obstructing Justice - 8
 3. Larceny from Auto - 7
- Total Detective Bureau Time: 207 Hours (6th)

Calls for Service "Hotspot" Map



Legend

- Low Density
- Medium
- Medium High
- High Density



Click on flame for hotspot details



Kent County Sheriff's Office

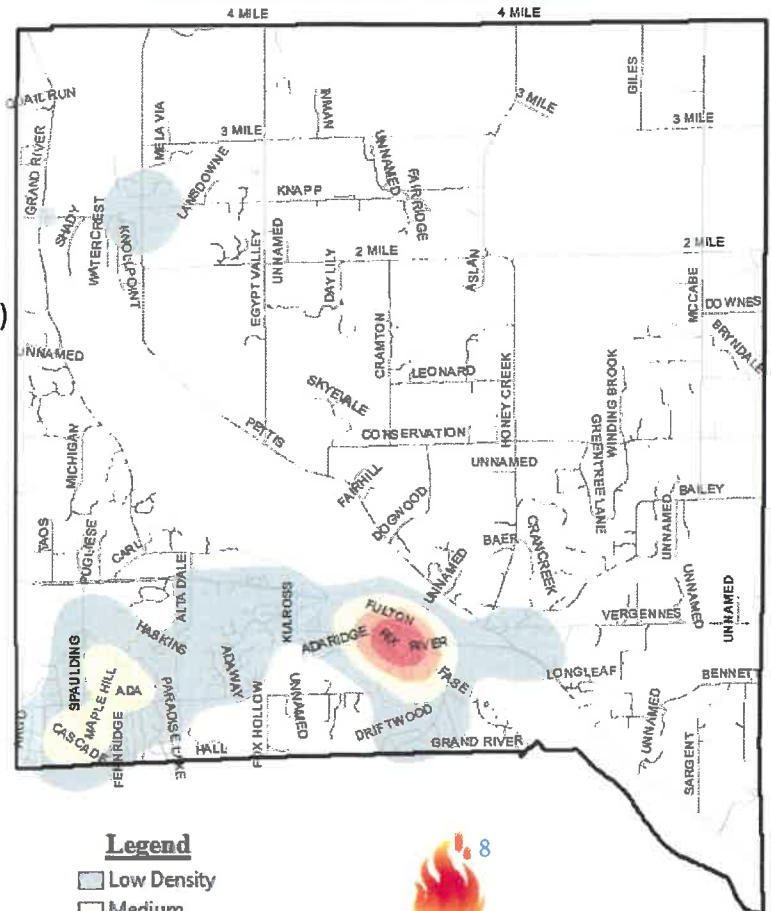
Ada Township

1/1/20- 12/31/20

Ada Twp

Calls for Service "Hotspot" Map

- Total 2020 Qtr Calls for Service: 1,203 (8th) ●●●●●●●●¹
- Total 2020 Qtr Traffic Stops: 719 (8th)
- Total 2020 Qtr Reported Offenses: 248 (11th)
- Top 3 Calls For Service: ●●●●²
 1. Alarm (236 Calls)
 2. Suspicious Condition/Noise/Subject (117 Calls)
 3. Traffic Crash - Property Damage (103 Calls)
- Top 3 Repeat Call Addresses: ●●●●³
 1. 7100 Blk E Fulton St (29 Calls)
 2. 7100 Blk Headley St SE (15 Calls)
 3. 6000 Blk E Fulton St (15 Calls)
- Top 3 Responding Units: ●●●●⁴
 1. 4225 (296 Calls)
 2. 4321 (231 Calls)
 3. 4223 (221 Calls)
- Avg. # of Units Assigned Per Call: 1.78
- Avg. Hold Time: 7 Min, 8 Seconds ●●●●●●●●⁵
- Avg Response Time: 18 Min, 39 Seconds ●●●●●●●●⁶
- Top 3 Crimes ●●●●●●●●⁷
 1. Identity Theft - 38
 2. Damage to Property - 24
 3. Domestic Simple Assault - 22
- Total Detective Bureau Time: 260 Hours (11th)



Legend

- Low Density
- Medium
- Medium High
- High Density



Click on flame for hotspot details



Kent County Sheriff's Office

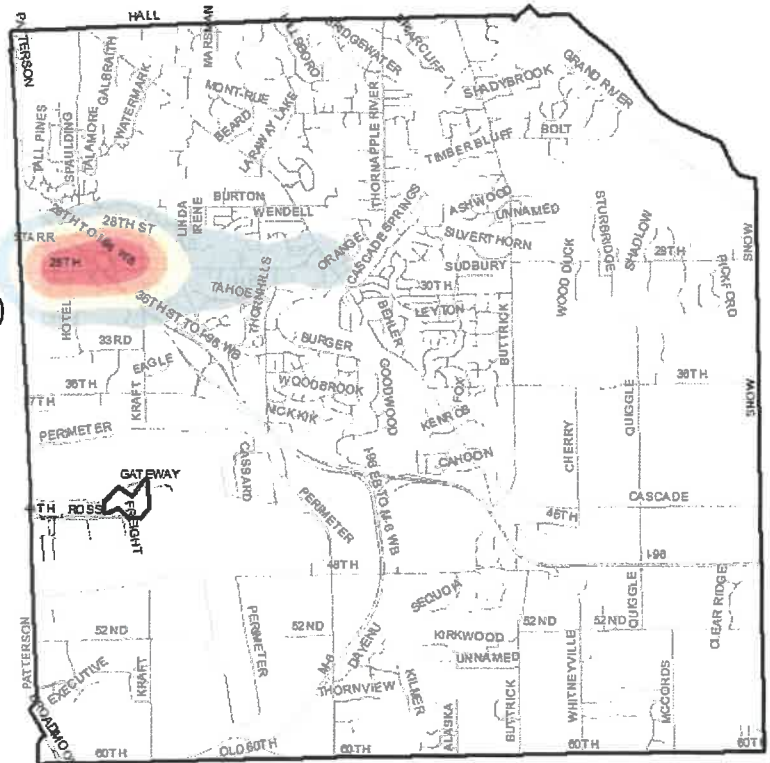
Cascade Township

1/1/20- 12/31/20

Cascade Twp

Calls for Service "Hotspot" Map

- Total 2020 Qtr Calls for Service: 3783 (4th) ●●●●¹
- Total 2020 Qtr Traffic Stops: 1061 (4th)
- Total 2020 Qtr Reported Offenses: 1006 (5th)
- Top 3 Calls For Service: ●●●●²
 1. Alarm (741 Calls)
 2. Suspicious Condition/Noise/Subject (430 Calls)
 3. Assist (288 Calls)
- Top 3 Repeat Call Addresses: ●●●●³
 1. 5100 Blk 28th ST SE (359 Calls)
 2. 5500 Blk 28th St SE (335 Calls)
 3. 4900 Blk 28th St SE (112 Calls)
- Top 3 Responding Units: ●●●●⁴
 1. 4321 (945 Calls)
 2. 4121 (792 Calls)
 3. 4425 (786 Calls)
- Avg. # of Units Assigned Per Call: 1.91
- Avg. Hold Time: 6 Min, 47 Seconds ●●●●⁵
- Avg Response Time: 17 Min, 13 Seconds ●●●●⁶
- Top 3 Crimes ●●●●⁷
 1. Retail Fraud - 127
 2. Driving Law Violations - 97
 3. Domestic Simple Assault - 77
- Total Detective Bureau Time: 1,423 Hours (2nd)



Legend

- Low Density
- Medium
- Medium High
- High Density



Click on flame for hotspot details



Kent County Sheriff's Office

Grand Rapids Twp

1/1/20- 12/31/20

GR Twp

• Total 2020 Qtr Calls for Service: 1,986 (6th) ●●●¹

• Total 2020 Qtr Traffic Stops: 747 (7th)

• Total 2020 Qtr Reported Offenses: 451 (6th)

• Top 3 Calls For Service: ●●●²

1. Alarm (378 Calls)
2. Suspicious Condition/Noise/Subject (211 Calls)
3. Assist (188 Calls)

• Top 3 Repeat Call Addresses: ●●●³

1. 1000 Blk Medical Park Dr SE (77 Calls)
2. 3300 Blk Plainfield Ave NE (72 Calls)
3. 600 Blk Kenmoor Ave SE (63 Calls)

• Top 3 Responding Units: ●●●⁴

1. 4223 (458 Calls)
2. 4225 (426 Calls)
3. 4423 (403 Calls)

• Avg. # of Units Assigned Per Call: 1.92

• Avg. Hold Time: 6 Min, 46 Seconds ●●●⁵

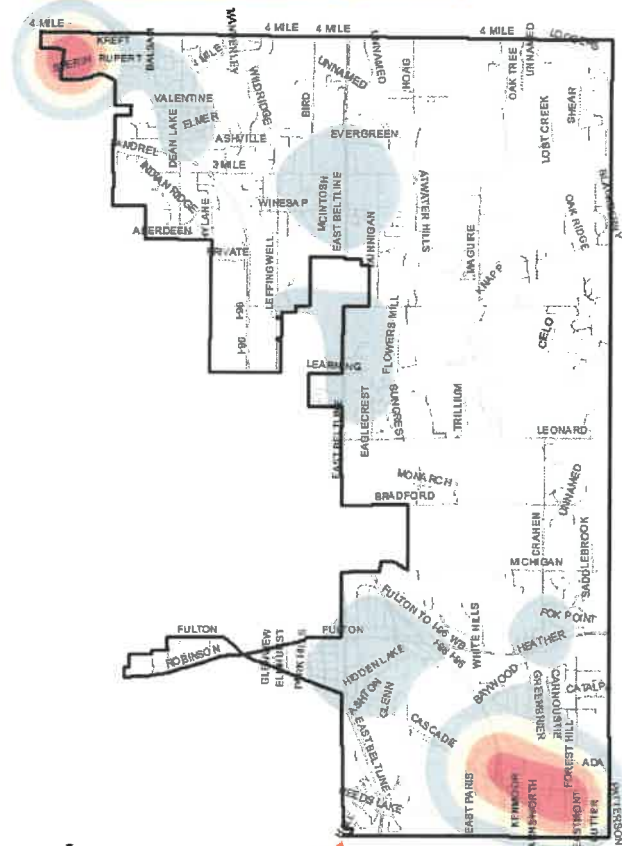
• Avg Response Time: 17 Min, 9 Seconds ●●●⁶

• Top 3 Crimes ●●●⁷

1. Driving Law Violations - 51
2. Identity Theft - 40
3. Domestic Simple Assault - 37

• Total Detective Bureau Time: 430 Hours (7th)

Calls for Service "Hotspot" Map



Legend

- Low Density
- Medium
- Medium High
- High Density

Click on flame for hotspot details



Cascade Charter Township Seminar/Conference Attendance Request Form

This form must be filled out if the employee is requesting Township payment or reimbursement for the employee's attendance to a seminar or conference.

Conditions:

1. Cascade Charter Township will reimburse employees for approved registration for work related seminars and conferences. Individual seminars and conferences must be related to the employee's current job duties or a foreseeable-future position in the organization in order to be eligible for
2. Some seminars/conferences that an employee may attend may be unrelated to their particular job or government in general, and are therefore not covered by this assistance policy.
3. Any request that requires an overnight stay or expenditure over \$1,000 requires Township Board approval before the seminar/conference is attended.
4. Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$1,000 for a conference or seminar prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of request at their next scheduled meeting.

This form must be completed by the employee and approved by the Township Manager and/or Township Board before the seminar/conference is attended.

Name: Jim Walker & Colin Rodriguez Application Date: 3-18-2021

Name of Proposed Seminar/Conference: Live Fire Spring Training Camp

Seminar/Conference Date(s): April 18 - 20, 2021

Location of Seminar/Conference: 8530 N 850 Fairland, Indiana

Description of Seminar/Conference: *(may also be attached)*

This training gives our firefighters some of the best training in real fire conditions, such as low visibility, high heat and tough working conditions. Please see attached for more information.

How will the Seminar/Conference benefit the employee and the township?

Our firefighters will get some of the best training in the country during these live fire training. Giving them the confidence to work in heavy smoke and heat conditions. Something that is very hard to replicate on the training ground. This training will make them better firefighters, which will be beneficial to all members of the fire department and community. April's class is already paid for since, we had regestered a year ago but had to postpone due to covid restrictions. We are only requesting coverage for the lodging. The attending firefighters will use a department vehicle to drive to Indiana

Cost of the Seminar/Conference:

Registration \$ n/a

Lodging \$ 700.00 (2 rooms for 3 nights)

Travel \$ _____

Account # _____

Applicant: _____

Signature

Approvals:

Department Head: _____



Signature

3-19-21

Date

Township Manager: _____

Signature

Date

Clerk: _____

(Signature Indicates Township Board Approval)

Date

➤ Original to Personnel File

➤ 1 Copy to Applicant

➤ 1 Copy to Accounting

FDTN's Live-Fire Training Camp

Live-Fire Training Camp

The **Fire Department Training Network's** Live-Fire Training Camp features 6 blocks of live-fire training — each focusing on performing actual fireground skills under intense and realistic conditions. Students will rotate through each 4-hour training block during the 3 day camp.

Training Blocks Include:

- Firefighter Survival
- Forcible Entry
- Residential Basement Operations
- Searching without a Line
- Hoarder Conditions
- Firefighter Rescue & RIT

Students will perform multiple repetitions of each skill under simulated and live-fire conditions. Each training block is designed to **develop, build, and enhance decision making and muscle memory skills** needed to perform at a high level during actual fireground operations. FDTN's Live-Fire Training Camp *WILL* get you into fireground shape—both mentally and physically!

Learn the Job by Doing the Job ... It's the FDTN Way!

Registration Fee: Members: \$900.00 / Non-Members: \$1050.00

2021 Dates

April 18-20, 2021 -- Register Now: Members: \$900.00 / Non-Members: \$1050.00

October 18-20, 2021 -- Register Now: Members: \$900.00 / Non-Members: \$1050.00



2020 FDTN Course Confirmation

Thank you for your registration in the upcoming Fire Department Training Network's training course. Enclosed please find all of the pertinent details regarding the course. If you have any questions regarding the course, or your travel to Indianapolis, don't hesitate to give us a call.

Course Title: Live-Fire Spring Training Camp
Course Dates: April 18-20, 2021 (Sunday – Tuesday)
Course Hours: 0830-1630 hours (**arrive at 7:30 for registration**)

Contact Information:

Fire Department Training Network Office: 317-862-9679
Jim McCormack, Program Coordinator: 317-223-4981, email: info@fdtraining.com

The primary hotel for the course is:

Hampton Inn South, 7045 McFarland Road, Indianapolis, IN 46237.

For hotel reservations contact Preferred Convention Services at 1-888-763-7236 or visit <http://www.fdtraining.com/training/courses#hotels> to register online.

Course Location:

The course will be located at the Fire Department Training Network's training academy located just off of I-74 in Fairland, Indiana (southeast of Indianapolis). For MapQuest directions, the physical address of FDTN's facility is 8530 N 850 W, Fairland, Indiana.

Driving to the facility – from the Hampton Inn South or I-465

From the hotel, take I-65 North to I-465 East to I-74 east. Proceed on I-74 east to the Pleasant View Road Exit (3rd exit after getting on I-74). Take a right off of the I-74 exit and proceed to the stop sign. Take a left onto Frontage Road. Take the first right (almost immediate) onto N 850 W and proceed approximately 1/2-mile to Lone Oak Blvd (on your left). The training site is located off of Lone Oak Blvd – a private access road.

FDTN's Cancellation Policy:

Cancellations must be made in writing and sent to FDTN, P.O. Box 1852, Indianapolis, IN 46206 (FAX 317-862-9685). ***All cancellations for registrations paid using a credit card will be charged a 10% processing fee.*** Cancellations received in excess of 45 days prior to start of event will be issued a 100% refund; Cancellation received from 31 and 45 days prior to start of event will be refunded 50% of the registration fee; Cancellations received within 30 days of event start date are non-refundable. Name changes are permitted with no charge up to the start of the event.

Items To Bring*

- NFPA compliant turnout gear (helmet, boots, gloves, protective clothing)
- NFPA compliant SCBA with one spare cylinder

Lunch and refreshments will be provided on all training days.

We're excited about the upcoming course and your participation. If we can be of any assistance, or if you have any questions or concerns, please give us a call.

Sincerely,

Jim McCormack

P.O. Box 1852
Indianapolis, IN 46206
(317) 862-9679 OFFICE



**Cascade Charter Township
Seminar/Conference Attendance Request Form**

This form must be filled out if the employee is requesting Township payment or reimbursement for the employee's attendance to a seminar or conference.

Conditions:

1. Cascade Charter Township will reimburse employees for approved registration for work related seminars and conferences. Individual seminars and conferences must be related to the employee's current job duties or a foreseeable-future position in the organization in order to be eligible for educational assistance.
2. Some seminars/conferences that an employee may attend may be unrelated to their particular job or government in general, and are therefore not covered by this assistance policy.
3. Any request that requires an overnight stay or expenditure over \$1,000 requires Township Board approval before the seminar/conference is attended.
4. Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$1,000 for a conference or seminar prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of request at their next scheduled meeting.

This form must be completed by the employee and approved by the Township Manager and/or Township Board before the seminar/conference is attended.

Name: DENNIS ROWLADER _____ Application Date: 4-6-2021 _____

Conference/Seminar Date: 5-10 TO 5-12, 2021 _____

Location of Seminar/Conference: Bay City
Mi _____

Name of Proposed Seminar/Conference:
COCM _____

Description of Seminar/Conference: (may also be attached) CODE OFFICIALS
CONFERENCE _____

(over)

How will the Seminar/Conference benefit the employee and the township? CONTINUING
EDUCATION _____

Cost of the Seminar/Conference: (Registration) \$
230

Lodging \$ 241.98 Travel \$ 168 (300
MI)

Account #: 249-371-724-000

Your Signature: Demi Rowland

Approvals:

Department Head: B. W. H. Date: 4.7.21

Township Manager: _____ Date: _____

Clerk's Signature: _____ Date: _____

(Showing Township Board approval)

- Original to personnel file
- 1 copy to applicant
- 1 copy to Accounting



COCM 2021 SPRING CONFERENCE

May 10-12, 2021

CONFERENCE REGISTRATION FORM

Fillable PDF form, simply enter all information prior to printing. Incomplete forms will not be processed. One form per person. Multiple forms may be submitted with one check. COCM is not able to accept credit cards at this time. Payment to be cash or check.

HOTEL / CONFERENCE LOCATION: Double Tree Inn One Wenonah Park Place Bay City, MI. 48708
Hotel Information/Reservations 989-891-6000 or 800-222-TREE

HOTEL ACCOMODATIONS Are NOT Included IN THE CONFERENCE FEE. Be sure to mention you are with COCM when making your reservation to receive the COCM special rate. There is a link in the Conference page for your room reservations. Please book early to obtain the COCM room rate.

Please send your Completed Registration, Membership Form (if not already a 2021 Member) and Payment to COCM, See Current PO Box address, so that it is received no later than April 30, 2021
 Additional Conference fees will apply for late registrations (see registration information below)

Name: DENNIS ROWLADER		Jurisdiction representing: CASCADE TWP		ICC Member? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Mailing address 5920 TAHOE		City GRAND RAPIDS	State: MI	Zip code: 49546	Public Act 407 #: 00553
Telephone number:		Email Address:			

Act 407 Reg. Type (check all applicable)

<input type="checkbox"/> BO	<input checked="" type="checkbox"/> BI	<input checked="" type="checkbox"/> PR	<input type="checkbox"/> ELEC	<input type="checkbox"/> MECH	<input type="checkbox"/> PLUMB	<input type="checkbox"/> FIRE	<input type="checkbox"/> OTHER
-----------------------------	--	--	-------------------------------	-------------------------------	--------------------------------	-------------------------------	--------------------------------

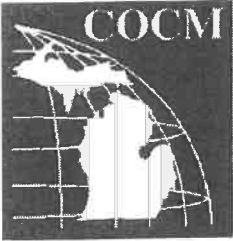
CONFERENCE ATTENDANCE: Please check the appropriate boxes below. Your conference registration, the membership form (if not submitted yet) and payment must be received by April 30, 2021 to take advantage of the Early Registration Discount!

<input checked="" type="checkbox"/> FULL Conference: Early Registration = \$185.00 (all or multiple days) if submitted before April 30, 2021 FULL Conference: Late Registration = \$210.00 if received after April 30, 2021	Enter Conference fee here.....
<input type="checkbox"/> SINGLE Day Rate (For Single Day registration only, please check the <u>day</u> you will be attending below) Early Registration = \$95.00 (single day rate) \$120.00 (single day rate) if received after April 30, 2021 <input type="checkbox"/> Monday May 10 <input type="checkbox"/> Tuesday May 11 <input type="checkbox"/> Wednesday May 12	\$185.00
2021 COCM MEMBERSHIP: Membership Dues are \$45 per member. Membership is required to participate in the conference. Membership applications can be found at the COCM website membership page at the Home Page. <u>If you have not submitted 2021 membership dues yet, a completed membership form and the \$45 DUES payment must be submitted with your conference registration and fees.</u> Check the COCM website for the current list of 2021 paid members.	Enter Membership fee (if applicable) here \$45.00
Conference fee + Membership Dues (if not yet a member) = TOTAL AMOUNT	\$230.00

Please make check payable to COCM and mail with registration form to:
COCM
PO Box 71913
Madison Heights, MI 48071

COCM CONTACT INFORMATION
www.cocm.org
cocm1@yahoo.com
989-837-3388

Please do not send to one of the Board Officers, as doing so will only delay your registration.



Code Officials Conference of Michigan

2021 Membership Application

January 1, 2021 – December 31, 2021

This form is a PDF fillable form. Download, fill in the information and print for submittal. Or print all information in a legible manner. Provide all requested information to aid COCM in keeping up-to-date records. Only one applicant per membership form. Jurisdictions with multiple members may submit additional membership applications with one check (please submit together). Thank you.

Applicant Name: **DENNIS ROWLADER** Act 407# **00553**

Municipality: **CASCADE TWP**

Membership Type (see bottom of page): **BI, PR** Phone: **616 949-3765**

Address: **5920 TAHOE** ICC Member? Yes - No -

City: **GRAND RAPIDS** State: **MI** Zip code: **49546**

Email: **drowlader@cascadetwp.com**

Inspector Registration Type: Check boxes applicable to your registrations BO BI PR EI MI PI

2021 COCM Membership Fees

Fee Type	Fee Amount
2020 COCM Membership fee (required to participate in COCM Conferences)	\$45.00
Fees must be submitted with this registration form	Total Enclosed 45.00

Please mail application and check made payable to:

**COCM
P.O. Box 71913
Madison Heights, MI 48071**

For more information on COCM

**Phone:
989-837-3388
or Email:**

**cocm1@yahoo.com
www.cocm.org**

Membership Types

Municipal shall be restricted to individuals that are residents of Michigan and code officials who are registered pursuant to Public Act 407 of 2016.

Associate shall be restricted to individuals interested in the objectives of the organization and are involved in the construction industry.

Honorary shall be restricted to individuals who have retired from enforcing codes or who have rendered unusual service in the promotion of the objectives of this organization. Must submit to COCM, a letter (see COCM website for Honorary Status Form) requesting Honorary Membership status, and be approved by the membership at the Annual Fall Conference to qualify as an Honorary Member. Once approved, Honorary status is ongoing and re-approval is not required.

For COCM record use only

Date received:	Payment type: <input type="checkbox"/> Cash <input type="checkbox"/> Check #	Amount received for: <input type="checkbox"/> Membership only <input type="checkbox"/> Membership and conference
----------------	---	--

Dennis Rowlander

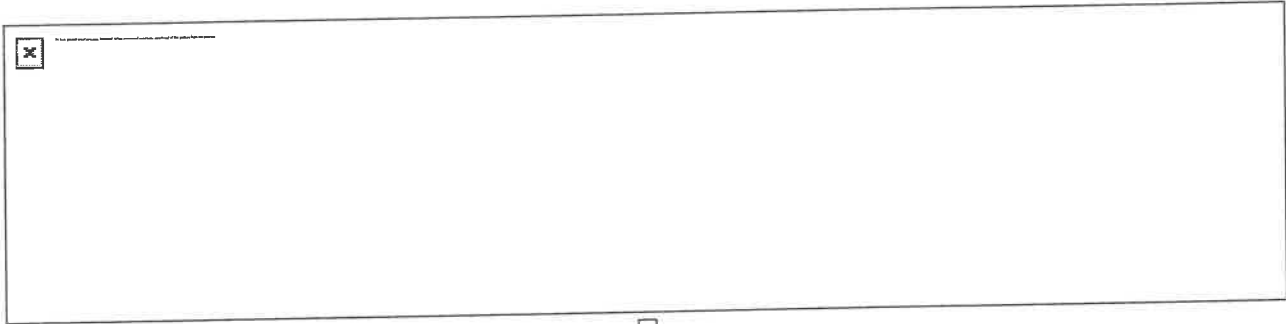
From: DoubleTree by Hilton Confirmed <noreply@h4.hilton.com>
Sent: Tuesday, April 6, 2021 3:23 PM
To: Dennis Rowlander
Subject: Your May-10-2021 Confirmation #87039400




See you soon, DENNIS ROWLADER

Your reservation for May-10-2021 has been confirmed.

Confirmation #87039400



DoubleTree by Hilton Hotel Bay City - Riverfront

 One Wenonah Park Place
Bay City MI 48708 US
Maps & Directions >>

 19898916000



Due to the current travel environment, hotel amenities and services may be limited. Please check the **DoubleTree by Hilton Hotel Bay City - Riverfront** hotel website for any updates provided by the hotel or to understand any local rules or restrictions that may be in place.

Your Room Information

Guest Name:

DENNIS ROWLADER

Guests:
Rooms:
Room Plan:

1 Adult
1
2DOUBLE RIVER VIEW NONS
MOK



Your Rate Information

CODE OFFICIALS CONFE

Rate per night

May-10-2021 - May-12-2021

109.00 USD

Total for Stay per Room Rate

218.00 USD

Taxes





23.98 USD

Total price for Stay







241.98 USD

 [Modify Your Reservation >>](#)

What To Expect When You Arrive

-  Read the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.

Plan Ahead With These Tips:

-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.
-  Check the information below to help you understand what to expect when you arrive at the hotel.

COCM Training
Spring 2021

Track 1

Monday May 10th

AM
CP 19-00012
Understanding the 2015 MUEC and Chapter 11 2hr Tech
Instructor - Robert Devries Bo,BI,PR

CP 19-00002
Building Science for the Building Official 1Hr Adm - 1Hr Sp
Instructor - Robert Devries Bo,BI,PR

PM
CP 20-00072 Sizing Plumbing Facilities 3Hr PR
Instructor – Mark Stimac

Track 2

AM
CP 19-00022 Firestop Plan Review & Inspection 6Hr SP - 1Hr PR
Instructor – Bryce Miller All ,PR

PM
Firestop Plan Review and Inspection – Continued

Tuesday May 11th

AM
UL325 Gate & Door Operators 3Hr Spec
Instructor – Stephen Kuscik BI

AM
CP 19-00023 Ethics 3Hr Admin
Instructor – Dennis Smith ALL

Business Meeting

PM
CP 19-00039 Building Codes 101 / 102 3Hr Tech
Instructor – Benedetto Tiseo BI

CP 19-00056 Legislative Advocacy 2Hr Adm
Instructor – Benedetto Tiseo ALL

PM
CP 20-00083 Fasteners & Anchors for Construction 3HR Spec
Instructor – Jerry Tuggle – Simpson Bo,BI,PR

CP 18-00183 Innovations in Masonry Design 1HR Spec
Instructor – Phil Ledent Bo,BI,PR

CP 18-00184 Building Materials and Products 1HR Spec
Instructor – Phil Ledent Bo,BI,PR
Will be Virtual Class's

Wednesday May 12th

AM
CP 21-00001
Poly-Urethane Foam Insulation 1Hr Tech - 1Hr Spec
Instructor - Robert Devries Bo,BI,PR

AM
CP 20-00083
Code compliant Deck Construction 3HR Spec
Instructor – Jerry Tuggle – Simpson Bo,BI,PR



**Cascade Charter Township
Seminar/Conference Attendance Request Form**

This form must be filled out if the employee is requesting Township payment or reimbursement for the employee's attendance to a seminar or conference.

Conditions:

1. Cascade Charter Township will reimburse employees for approved registration for work related seminars and conferences. Individual seminars and conferences must be related to the employee's current job duties or a foreseeable-future position in the organization in order to be eligible for educational assistance.
2. Some seminars/conferences that an employee may attend may be unrelated to their particular job or government in general, and are therefore not covered by this assistance policy.
3. Any request that requires an overnight stay or expenditure over \$1,000 requires Township Board approval before the seminar/conference is attended.
4. Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$1,000 for a conference or seminar prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of request at their next scheduled meeting.

This form must be completed by the employee and approved by the Township Manager and/or Township Board before the seminar/conference is attended.

Name: BILL BEVOIT Application Date: 4-6-2021

Conference/Seminar Date: MAY 10-12 2021

Location of Seminar/Conference: BAY CITY MI

Name of Proposed Seminar/Conference: COEM SPRING CONFERENCE

Description of Seminar/Conference: (may also be attached) _____

REQUIRED CONTINUING EDUCATION

(over)

How will the Seminar/Conference benefit the employee and the township? _____

_____ REQUIRED EDUCATION _____

Cost of the Seminar/Conference: (Registration) \$ 230.00

Lodging \$ ABOUT \$220.00 Travel \$ 170.00

Account #: 249-371-724-000

Your Signature: 

Approvals:

Department Head:  Date: 4.7.21

Township Manager: _____ Date: _____

Clerk's Signature: _____ Date: _____

(Showing Township Board approval)

Original to personnel file

1 copy to applicant

1 copy to Accounting



PLEASE NOTE
ADDRESS CHANGE

COCM 2021 SPRING CONFERENCE

May 10-12, 2021

CONFERENCE REGISTRATION FORM

Fillable PDF form, simply enter all information prior to printing. Incomplete forms will not be processed. One form per person. Multiple forms may be submitted with one check. COCM is not able to accept credit cards at this time. Payment to be cash or check.

HOTEL / CONFERENCE LOCATION: Double Tree Inn One Wenonah Park Place Bay City, MI. 48708
Hotel Information/Reservations 989-891-6000 or 800-222-TREE

HOTEL ACCOMODATIONS Are NOT Included IN THE CONFERENCE FEE. Be sure to mention you are with COCM when making your reservation to receive the COCM special rate. There is a link in the Conference page for your room reservations. Please book early to obtain the COCM room rate.

Please send your Completed Registration, Membership Form (if not already a 2021 Member) and Payment to COCM, See Current PO Box address, so that it is received no later than April 30, 2021
Additional Conference fees will apply for late registrations (see registration information below)

Name: Bill Benoit		Jurisdiction representing: Cascade Township			
Mailing address 5920 Tahoe	City Grand Rapids	State: MI	Zip code: 49546	ICC Member? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Telephone number:	Email Address:				Public Act 407 #:

Act 407 Reg. Type (check all applicable)

<input type="checkbox"/> BO	<input checked="" type="checkbox"/> BI	<input checked="" type="checkbox"/> PR	<input type="checkbox"/> ELEC	<input type="checkbox"/> MECH	<input type="checkbox"/> LUMB	<input type="checkbox"/> FIRE	<input type="checkbox"/> OTHER
-----------------------------	--	--	-------------------------------	-------------------------------	-------------------------------	-------------------------------	--------------------------------

CONFERENCE ATTENDANCE: Please check the appropriate boxes below. Your conference registration, the membership form (if not submitted yet) and payment must be received by April 30, 2021 to take advantage of the Early Registration Discount!

<input checked="" type="checkbox"/> FULL Conference: Early Registration = \$185.00 (all or multiple days) if submitted before April 30, 2021 FULL Conference: Late Registration = \$210.00 if received after April 30, 2021	Enter Conference fee here..... \$185.00
<input type="checkbox"/> SINGLE Day Rate (For Single Day registration only, please check the day you will be attending below) Early Registration = \$95.00 (single day rate) \$120.00 (single day rate) if received after April 30, 2021 <input type="checkbox"/> Monday May 10 <input type="checkbox"/> Tuesday May 11 <input type="checkbox"/> Wednesday May 12	
2021 COCM MEMBERSHIP: Membership Dues are \$45 per member. Membership is required to participate in the conference. Membership applications can be found at the COCM website membership page at the Home Page. <u>If you have not submitted 2021 membership dues yet, a completed membership form and the \$45 DUES payment must be submitted with your conference registration and fees.</u> Check the COCM website for the current list of 2021 paid members.	Enter Membership fee (if applicable) here \$ 45.00
Conference fee + Membership Dues (if not yet a member) = TOTAL AMOUNT	
\$230.00	

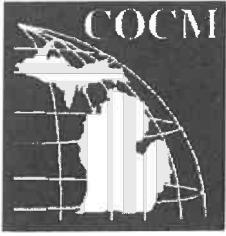
Please make check payable to COCM and mail with registration form to:

**COCM
PO Box 71913
Madison Heights, MI 48071**

COCM CONTACT INFORMATION

www.cocm.org
cocm1@yahoo.com
989-837-3388

Please do not send to one of the Board Officers, as doing so will only delay your registration.



Code Officials Conference of Michigan

2021 Membership Application

January 1, 2021 – December 31, 2021

*PLEASE NOTE
ADDRESS CHANGE*

This form is a PDF fillable form. Download, fill in the information and print for submittal. Or print all information in a legible manner. Provide all requested information to aid COCM in keeping up-to-date records. Only one applicant per membership form. Jurisdictions with multiple members may submit additional membership applications with one check (please submit together). Thank you.

Applicant Name: BILL BENOIT Act 407# 2436

Municipality: CASCADE TOWNSHIP

Membership Type (see bottom of page): MUNICIPAL Phone: 616-949-3765

Address: 5920 TAHOE ICC Member? Yes No

City: GRAND RAPIDS State: MI Zip code: 49546

Email: bbenoit@CASCADETWP.COM

Inspector Registration Type: Check boxes applicable to your registrations BO BI PR EI MI PI

2021 COCM Membership Fees

Fee Type	Fee Amount
2020 COCM Membership fee (required to participate in COCM Conferences)	\$45.00
Fees must be submitted with this registration form	Total Enclosed

Please mail application and check made payable to:
COCM
P.O. Box 71913
Madison Heights, MI 48071

SEE CONFERENCE APPLICATION

For more information on COCM
Phone: 989-837-3388
 or Email: cocm1@yahoo.com
www.cocm.org

Membership Types

Municipal shall be restricted to individuals that are residents of Michigan and code officials who are registered pursuant to Public Act 407 of 2016.

Associate shall be restricted to individuals interested in the objectives of the organization and are involved in the construction industry.

Honorary shall be restricted to individuals who have retired from enforcing codes or who have rendered unusual service in the promotion of the objectives of this organization. Must submit to COCM, a letter (see COCM website for Honorary Status Form) requesting Honorary Membership status, and be approved by the membership at the Annual Fall Conference to qualify as an Honorary Member. Once approved, Honorary status is ongoing and re-approval is not required.

For COCM record use only

Date received:	Payment type: <input type="checkbox"/> Cash <input type="checkbox"/> Check #	Amount received for: <input type="checkbox"/> Membership only <input type="checkbox"/> Membership and conference
----------------	---	--



Due to the current travel environment, hotel amenities and services may be limited. Please check the **DoubleTree by Hilton Hotel Bay City - Riverfront** hotel website for any updates provided by the hotel or to understand any local rules or restrictions that may be in place.

Your Room Information

Guest Name: BILL BENOIT
Guests: 1 Adult
Rooms: 1
Room Plan: 2DOUBLE RIVER VIEW NONSMOK



Your Rate Information

CODE OFFICIALS CONFE

Rate per night

May-10-2021 - May-12-2021 109.00 USD

Total for Stay per Room Rate 218.00 USD

Taxes 23.98 USD

Total price for Stay 241.98 USD

[Modify Your Reservation >>](#)

What To Expect When You Arrive

Plan Ahead With These Tips:

COCM Training
Spring 2021

Track 1

Monday May 10th

AM

CP 19-00012

Understanding the 2015 MUEC and Chapter 11 2hr Tech
Instructor - Robert Devries Bo,BI,PR

CP 19-00002

Building Science for the Building Official 1Hr Adm - 1Hr Sp
Instructor - Robert Devries Bo,BI,PR

PM

CP 20-00072 Sizing Plumbing Facilities 3Hr PR
Instructor – Mark Stimac

Track 2

AM

Firestop Plan Review & Inspection 6Hr SP - 1Hr PR
Instructor – Bryce Miller All ,PR

PM

Firestop Plan Review and Inspection – Continued

Tuesday May 11th

AM

UL325 Gate & Door Operators 3Hr Spec
Instructor – Stephen Kuscik BI

AM

Ethics 3Hr Admin
Instructor – Dennis Smith ALL

Business Meeting

PM

CP 19-00039 Building Codes 101 / 102 3Hr Tech
Instructor – Beneditto Tiseo BI

PM

CP 20-00083 Fasteners & Anchors for Construction 3HR Spec
Instructor – Jerry Tuggle – Simpson Bo,BI,PR

CP 19-0056 Legislative Advocacy 2Hr Adm
Instructor – Beneditto Tiseo ALL

CP 18-00183 Innovations in Masonry Design 1HR Spec
Instructor – Phil Ledent Bo,BI,PR

CP 18-00184 Building Materials and Products 1HR Spec
Instructor – Phil Ledent Bo,BI,PR
Will be Virtual Class's

Wednesday May 12th

AM

CP 21-00001 Poly-Urethane Foam Insulation 1Hr Tech - 1Hr Spec
Instructor - Robert Devries Bo,BI,PR

AM

CP 20-00083 Code compliant Deck Construction 3HR Spec
Instructor – Jerry Tuggle – Simpson Bo,BI,PR

The Hilton logo, consisting of the word "Hilton" in a serif font inside a rectangular border.The Hilton CleanStay logo, featuring the word "Hilton" in a serif font above the word "CleanStay" in a sans-serif font, both enclosed in a rectangular border.

A CLEANER STAY FROM CHECK-IN TO CHECK-OUT

We know that you are as excited as we are to welcome back travel, even if it looks a little different these days. We also understand that our guests' expectations for cleaning and disinfection have changed. That's why Hilton has partnered with RB, makers of Lysol® & Dettol®, to help deliver an even cleaner stay for our guests with the creation of the Hilton CleanStay program.

Using the same quality brands you trust in your home, Hilton CleanStay builds on our already rigorous



Hilton

Our promise is to give our guests the same level of reliable and friendly service you'd expect from Hilton, but with the added confidence of industry-leading hygiene practices created to keep you safe.

For details on the Hilton CleanStay program, visit the relevant section below.



OUR PARTNER - RB

RB, maker of trusted home and industrial cleaning brands **Lysol** and **Dettol**, brings over 200 years of cutting-edge science and research in human health products to the Hilton CleanStay program.



GUEST ROOMS

Nowhere is your comfort more important than in the guest room. From the Hilton CleanStay Room Seal to focused disinfection of high-touch areas in the guest room, we're committed to providing guests with a clean, comfortable space.



HOUSEKEEPING

We know that housekeeping service is one of your favorite parts of travel. Now, you'll have the opportunity to tailor the experience for your individual comfort level.

Hilton



PUBLIC AREAS & AMENITIES

From social distancing, increased scheduled cleaning of public spaces, and changes to our amenities and services, we're committed to protecting your wellbeing while using our public spaces.

[Learn More](#)



FOOD & BEVERAGE

In addition to changes to our in-room room service, breakfast and dining options, we're providing designated locations and guidelines for contactless food delivery.

[Learn More](#)



HILTON EVENTREADY

If you are hosting an event, Hilton EventReady with CleanStay provides curated solutions for every step of your event planning process to create event experiences that are clean, flexible, safe and socially responsible.

[Learn More](#)

OUR PARTNER - RB

Hilton

of the most trusted brands in over 150 countries, including trusted disinfectants like Lysol, Dettol, Sagrotan, Napisan, Muse and more.

RB is proud to build partnerships that put people first, and as part of the Hilton CleanStay Program, their premium products and health expertise help ensure a safe hotel experience for every guest.

For more information and how to use RB's trusted brands and products to disinfect, visit www.rb.com.

www.rb.com

HOW WE CLEAN YOUR GUEST ROOM



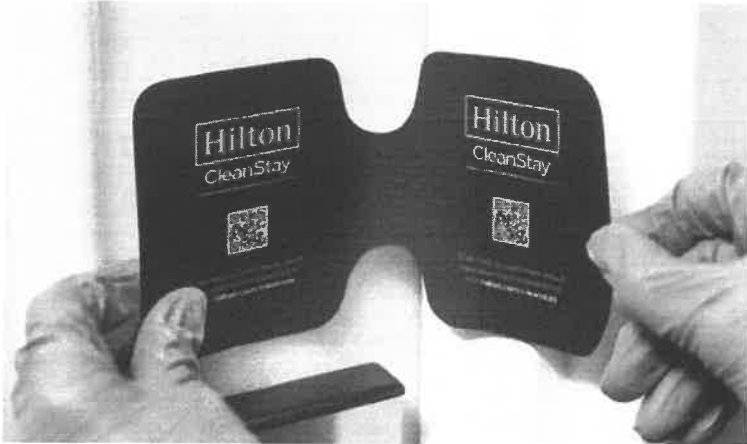
Our housekeeping room protocol begins with our team removing all used items from the room such as bedding and towels. Next, the team performs a full clean of the room and bathroom including vacuuming the carpet, mopping floors and wiping down all surfaces with hospital-grade cleaners.

Then, using trusted products from **Lysol***, **Dettol***, **Sagrotan***, or **Napisan***, we do an additional disinfecting step for several surfaces in the room, including: all switches and electronic controls, handles and

Hilton

Learn more about how Lysol* products are used to kill germs and viruses.

Learn more about how Dettol disinfecting products are used to kill germs and viruses.



After the room is thoroughly cleaned, we replace the towels and make up the bed with freshly laundered linens. Finally, our housekeeping inspector verifies the room meets the CleanStay standards and places the Hilton CleanStay Room Seal with **Lysol*** protection over the door. Upon your arrival, you'll have complete peace of mind that the room is clean and ready for your stay.

CONTACTLESS ARRIVAL

Travel on your terms with the Hilton Honors app. Check in, choose your room & skip the front desk with Digital Key, which provides access to your room key directly from your phone.

Join Hilton Honors today for a Contactless Arrival experience

<https://www.hilton.com/en/corporate/cleanstay/>



Hilton

Honors app, you can check-in, choose your room, access your room with a Digital Key and check-out using your phone! This option is available at over 4,800 Hilton properties mainly in the US, UK, and Canada, with availability in other countries where local regulations allow. For those guests who do not have access to the digital technology, physical distancing measures will be in place directing guests on how to move through the in-person check-in and check-out process in a safe way.



CHANGES TO OUR HOUSEKEEPING SERVICES

For your comfort, we want your stay to be as undisturbed as possible. Guests are invited to tailor their housekeeping services to their comfort level. To schedule, simply call the front desk.

Additional amenities such as linens and toiletries are available upon request, delivered in protective packaging and placed at the guest room door.

The Hilton logo is displayed in a white rectangular box with a black border. The word "Hilton" is written in a bold, serif font.

Please note, all Asia Pacific properties will still have daily housekeeping, as well as Waldorf Astoria, Conrad, and LXR properties outside of the Americas. However, guests can adjust their frequency or opt-out of housekeeping by contacting the front desk.

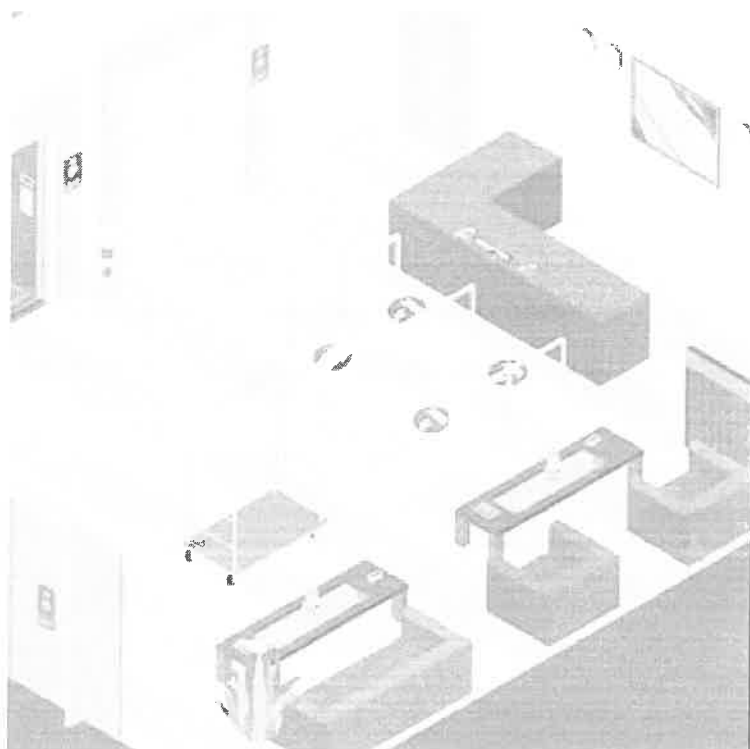
HOW WE KEEP OUR PUBLIC AREAS CLEAN

Guests will find disinfecting stations with wipes and hand sanitizer available throughout our properties. Additionally, both public and Team Member areas are cleaned at scheduled intervals, including hourly maintenance of high-touch areas like elevators and bathrooms.

Each area is cleaned using approved commercial-grade products followed by additional disinfection using the approved Lysol*, Dettol*, Sagrotan*, or Napisan* products.

[Learn more about the proper usage of Lysol* disinfecting products.](#)

[Learn more about the proper usage of Dettol disinfecting products.](#)





FACE COVERINGS ARE NOW REQUIRED

In accordance with CDC and WHO guidelines, we are requiring face coverings in all indoor public areas of all our hotels throughout the U.S., the Caribbean and Latin America, for guests and Team Members. Additionally, we continue to encourage the use of face coverings at our hotels throughout the rest of the world. We appreciate your understanding and look forward to serving you.

Due to the unique offerings of each of our hotels and resorts, please visit the local property's website or call the front desk during your stay for specifics regarding the available amenities and updates to their scheduled hours. If an amenity is currently unavailable, we'll make every effort to assist you in making other arrangements.



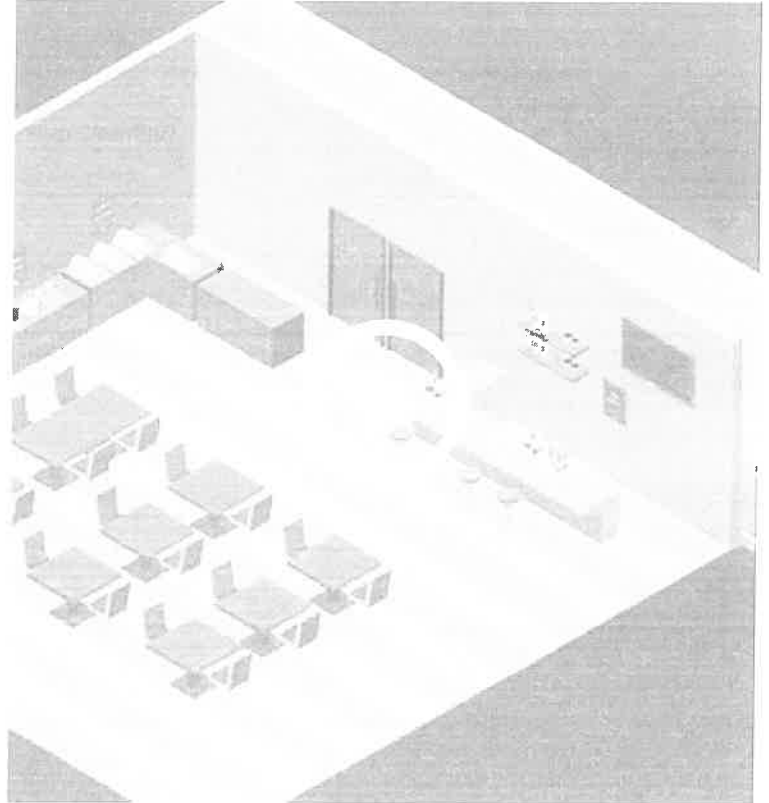
CHANGES TO OUR FOOD AND BEVERAGE

Hilton

FROM HILTON

Changes to our hotel restaurant service include the spacing of tables and chairs to promote proper physical distancing between guests while maintaining our increased hygiene standards. Also, we'll offer biodegradable, disposable dishware and flatware upon request. Grab & Go, pre-plated and individually portioned options may be offered as alternatives to open breakfast and buffet service. Where in-room dining is provided, contactless deliveries may replace rolling cart deliveries.

Also, we're encouraging guests to take advantage of contactless food delivery by providing designated pick-up spots at each property.



Hilton CleanStay

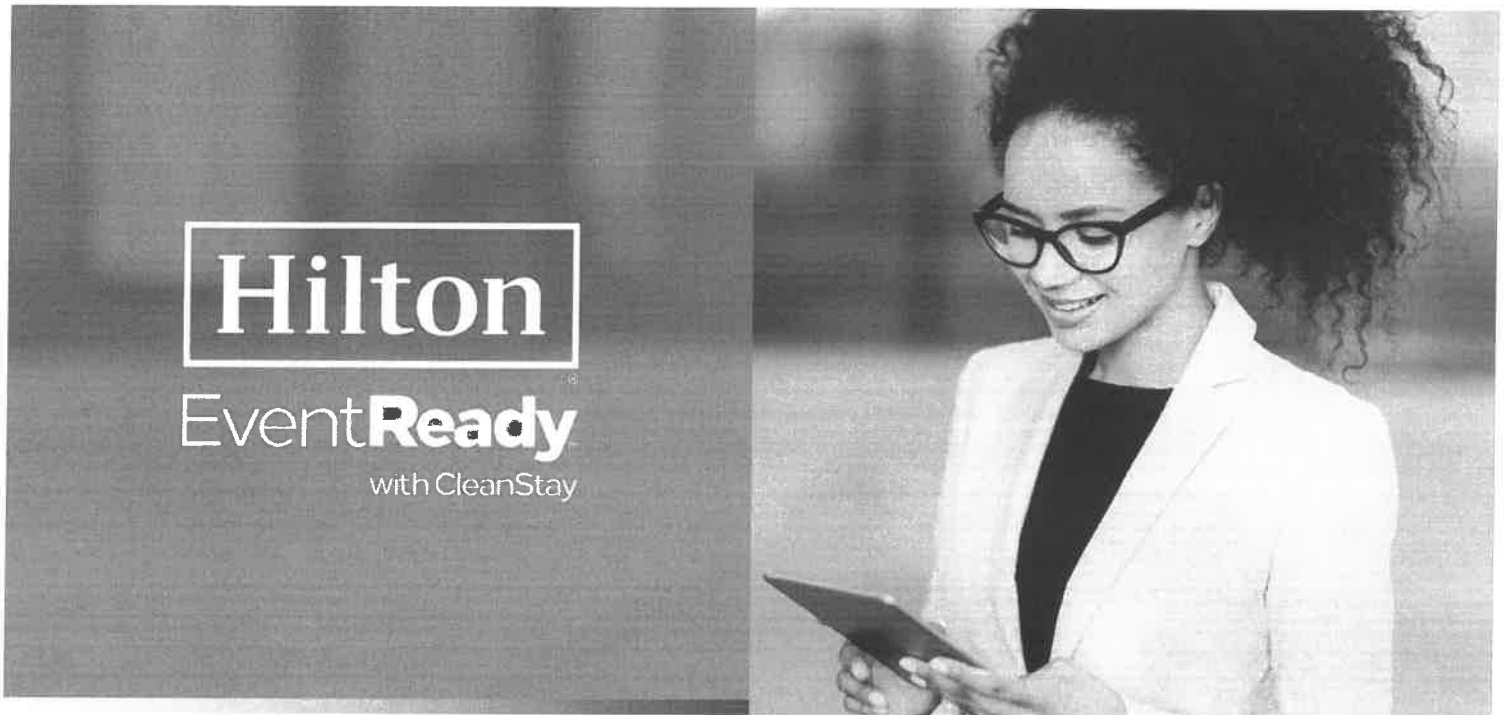
*Different RB brand names are available in different areas. For more information, visit:

- Lysol <https://www.lysol.com>
- Dettol
<https://www.dettol.co.uk>
- Sagrotan
<https://www.sagrotan.de>

The Hilton logo, consisting of the word "Hilton" in a serif font, enclosed within a rectangular border.

<https://www.musejapan.jp>

In countries where Lysol, Dettol or other RB-branded products are not available, alternative disinfecting products are used.



A HIGHER STANDARD FOR MEETINGS AND EVENTS

To address safe group travel practices and evolve today's event experience, Hilton EventReady with CleanStay is the next phase of Hilton CleanStay. The program expands on the elevated sanitation standards of the Hilton CleanStay program, addressing every touch point of the meeting experience.



SOLUTIONS.

To responsibly host meetings and events, Hilton Team Members will partner with you to achieve your event objectives while addressing both health and environmental concerns.

Each meeting and event experience is backed by Hilton hospitality from dedicated Team Members who aim to overdeliver on expectations from both the event professional and the attendees.

For more information on Hilton EventReady with CleanStay contact Local Hotel Team Member or your Hilton Worldwide Sales Representative.



L X R

CONRAD

canopy



TAPESTRY COLLECTION



TEMPO

MOTTO





[Global Privacy Statement](#) | [Cookies Statement](#) | [Site Usage Agreement](#) |

[Sitemap](#) | [Do Not Sell My Information](#) |

[Modern Slavery and Human Trafficking](#) | [Personal Data Requests](#) |

© 2021 Hilton | [AdChoices](#)

2021 Budget and
Five-Year Improvement Plan



Kent County
Road Commission





Board of Road Commissioners.....	1
Chair’s Letter of Welcome.....	3
Managing Director’s Comments.....	5
2020 Primary Road Improvements.....	9
2021 Amended Budget.....	12
2021 Primary Road Improvements.....	17
Five-Year Improvement Program.....	20



Mark Rambo was appointed to the Board of the Kent County Road Commission in 2009 and has served as chair since 2012. Commissioner Rambo holds a master's degree in public administration and is currently the deputy city administrator for the City of Kentwood. Previously, he has served as manager of operations for Grand Valley State University, the manager of Howard City and the engineering programs coordinator for the City of Walker.



Cynthia Porter Janes was appointed to the Board of the Kent County Road Commission in 2015 and has served as vice chair since January 2017. Commissioner Janes is the architectural & engineering services director at Fishbeck, Thompson, Carr & Huber (FTCH) and previously worked as an education practice leader for AECOM. Commissioner Janes serves as a commissioner of the Kent County Board of Public Works and trustee of the Grand Rapids Public Museum. Previously, Commissioner Janes served six years on the GVMC board (five years on the Executive Committee); five years on the Cascade Township Planning Commission (including one year as chair); seven years as township trustee, elected to the Cascade Township Board; and nine years on the Board of Directors for the Cascade Community Foundation.



Dave Medema was appointed to the Board of the Kent County Road Commission in 2017. Commissioner Medema is owner of Medema Consulting Associates LLC, which was established in 1999, and has served as board member of the Michigan League for Public Policy. Commissioner Medema has also been a member of the City of Grand Rapids Community Relations Commission, Board of Zoning Appeals and Community Development Citizens Committee. Commissioner Medema is a graduate of Calvin College, has a Master of Social Work degree from Arizona State University and studied at New Brunswick Theological Seminary. He is a certified coach and trainer for the Right Use of Power Institute in Boulder, Colorado. An avid bicyclist, Commissioner Medema proudly completed a ride from San Francisco, California to Grand Rapids in 2011.



David J. Morren was appointed to the Board of the Kent County Road Commission in 2014. Previously, Commissioner Morren served on Kent County Board of Commissioners for 14 years, serving three years as chairman and sitting on various public boards during his tenure. Commissioner Morren is the owner of Insignia Homes and has served as elder and deacon of his church.



Robert VerHeulen was appointed to the Board of the Kent County Road Commission in 2019. Commissioner VerHeulen formerly served three terms in the Michigan House of Representatives, chairing the Michigan House Appropriations Subcommittee on Transportation from 2013 to 2014. He also served as mayor of Walker, Michigan from 2001 to 2012. Before taking public office, Commissioner VerHeulen worked as an attorney for Meijer Inc. and most recently as the vice president and deputy general counsel to The Meijer Foundation. He also served on several boards for non-profit and philanthropic organizations throughout the community. Commissioner VerHeulen attended Grand Rapids Community College and graduated from the University of Michigan, receiving his juris doctorate from Wayne State University.

Managing Director



Steven A. Warren was named Managing Director of the Kent County Road Commission in 2013. During nearly 31 years of service to the commission, he has managed KCRC's long and short-range planning programs, environmental studies and major improvement projects. Mr. Warren also developed KCRC's Asset Management Program, which integrates the organizations' Pavement Management, Performance Management and Geographic Information Systems. Prior to joining KCRC, Mr. Warren served as director of the Metropolitan Planning Organization (MPO) for the Grand Rapids Metropolitan Area and worked as transportation planner for the Northwest Regional Planning Commission in Traverse City, Michigan.



Kent County Road Commission

February 11, 2021

Re: FY 2021 Operating Budget

Greetings Kent County Stakeholders:

On behalf of the Kent County Board of Road Commissioners, I would like to thank our local, state, and federal partners for their sense of collaboration and commitment to improving the transportation infrastructure within Kent County.

This past year, we experienced many unique challenges as we amended operations to maintain high quality roads during a pandemic. This could not have occurred without a dedicated road commission team. I want to recognize and thank the entire KCRC staff for their daily efforts to reach our shared vision of having the premier county transportation network in Michigan. Their proactive team approach, positive customer service and ability to adapt to these challenges embodies the spirit of an effective organization.

Strategic planning, asset management and continuous performance improvement remain at the core of our decision making, and we greatly appreciate your input on how we can improve. We thank everyone who shared their thoughts through the online survey posted in December to help guide an update to our strategic plan. The full report of the survey's results is available on kentcountyroads.net.

We take pride in the positive relationships we have with all of the communities in Kent County and appreciate the strong support and open lines of communication between our township leaders and local elected officials.

We hope the enclosed information helps facilitate understanding of the role of the Kent County Road Commission. Please feel free to contact any of us with questions or concerns at any time.

Sincerely,

Mark E. Rambo
Chairperson



WHO WE ARE



21 TOWNSHIPS
KCRC service area

635,000+
RESIDENTS

OVER 230
EMPLOYEES

fleet of **260+**
VEHICLES,
including over 100
plow trucks deployed
from 4 complexes

OUR NETWORK

OVER 170
BRIDGES
100% rated in
good/fair condition

NEARLY 2,000
COUNTY ROAD MILES
representing nearly
4,200 lane miles

OVER 430 MILES
of state & interstate highway
miles for MDOT (representing
over 1,100 lane miles)

WHAT WE DO

Traffic and Safety
Continually analyzes
traffic to improve safety
and reduce congestion;
maintains 120+ traffic
signals and 30,000+
traffic signs

Construction and Preservation
Scheduled to improve over
1,200 lane miles by 2025

Routine Maintenance
Over 200,000 hours dedicated to
year-round activities that maintain
and protect the roadway

Winter Maintenance
Servicing 5,300 lane miles of road –
targeting one pass of the network
within 36 hours of a storm's completion

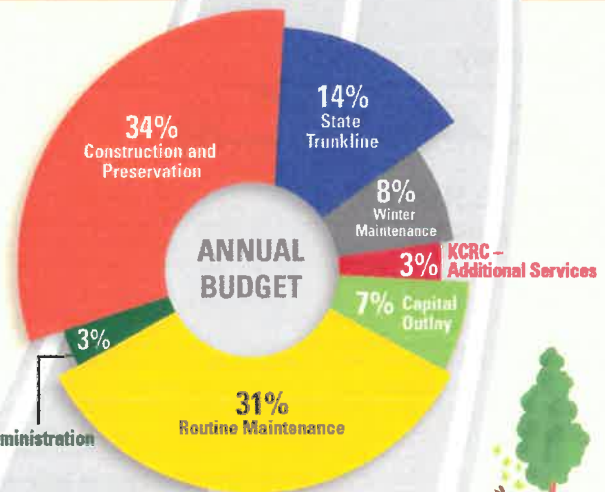
HOW WE DO IT

Responsive to the Community:
Delivering value-driven service to meet the needs of those we serve.

Fiscally Responsible: 100% of funding comes from fuel tax, registration fees, grants and project cost sharing (no county general funds or property tax revenue). Pension and OPEB fully funded in 2018.

Strategic Planning: Organizational objectives drive performance measures; Long Range Plan translates organization's vision into action.

Collaboration and Coordination:
Partnerships at the local, regional and state level enhance efficiencies and improve services.





Kent County Road Commission

MEMORANDUM

To: Kent County Board of Road Commissioners

From: Steve Warren, Managing Director

Date: February 11, 2021

Subject: 2021 Operating Budget

We are pleased to present the 2021 Budget and Five-Year Improvement Plan of the Kent County Road Commission (KCRC).

With this budget, we continue to make progress toward achieving the following strategic objectives:

- Improve and preserve the condition of the primary road network consistent with KCRC's Long Range Asset Management Plan
- Match increased township contributions to improve and preserve the local road network
- Address additional routine maintenance needs to help keep good roads in good condition
- Accelerate replacement of large trucks to maintain an efficient and effective fleet
- Commence design and construction management services to establish the Central Complex at the Walker View site

Strategic Plan and Survey

Upon completing the draft 2021 Kent County Road Commission Strategic Plan, we were eager to receive stakeholder feedback via an online survey, which was released in December 2020. The survey results helped to confirm that KCRC's priorities and objectives align with what network users feel is important. The results also indicate positive perception of KCRC and the roads and bridges under our jurisdiction, with 99 percent of respondents ranking the overall condition of the network as "good" or "fair." Links to both the draft Plan and the full report of the survey's results are available on our website, kentcountyroads.net.

2020 Review

I am pleased to report that, amid the challenges caused by the situation surrounding COVID-19, KCRC sustained high-levels of service and completed a majority of the improvement targets identified in KCRC's Long Range Plan.

Throughout the 2020 construction season, we concentrated on maximizing resources while maintaining safe work environments in accordance with local, state and federal guidelines.

Working to keep Kent County moving

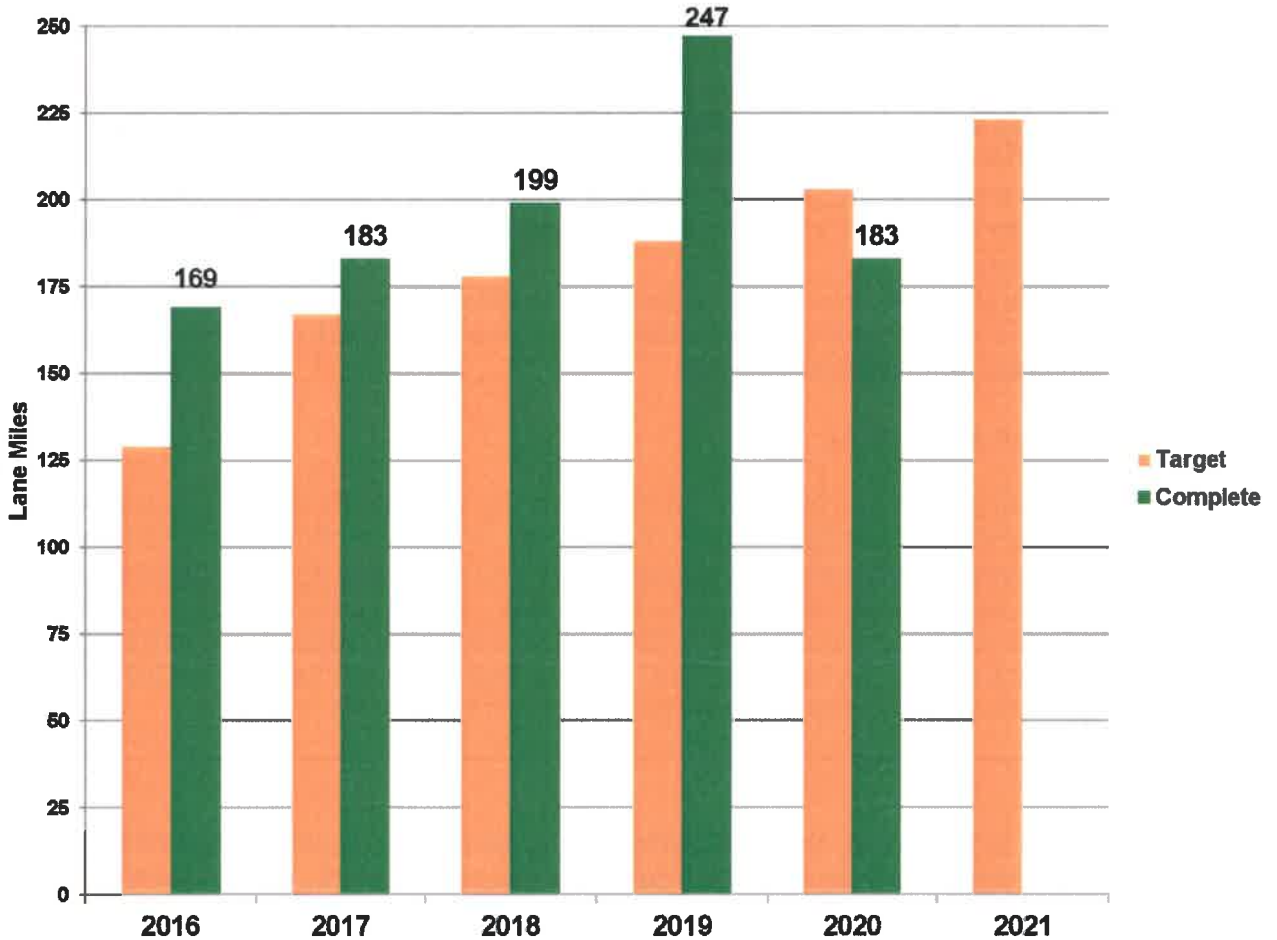
1500 Scribner Avenue NW, Grand Rapids, MI 49504 | (616) 242-6900 | kentcountyroads.net

Aligned with this focus, we substituted select preservation work that required employees to work in close contact with an increased number of reconstruction and resurfacing projects. Therefore, while our total lane miles of improvements were less than originally targeted, we completed an increased number of reconstruction and heavy overlay projects and maintained the trajectory to improve the overall condition of the primary road network.

Primary Road Lane Mile Improvements: 2020 Construction Season

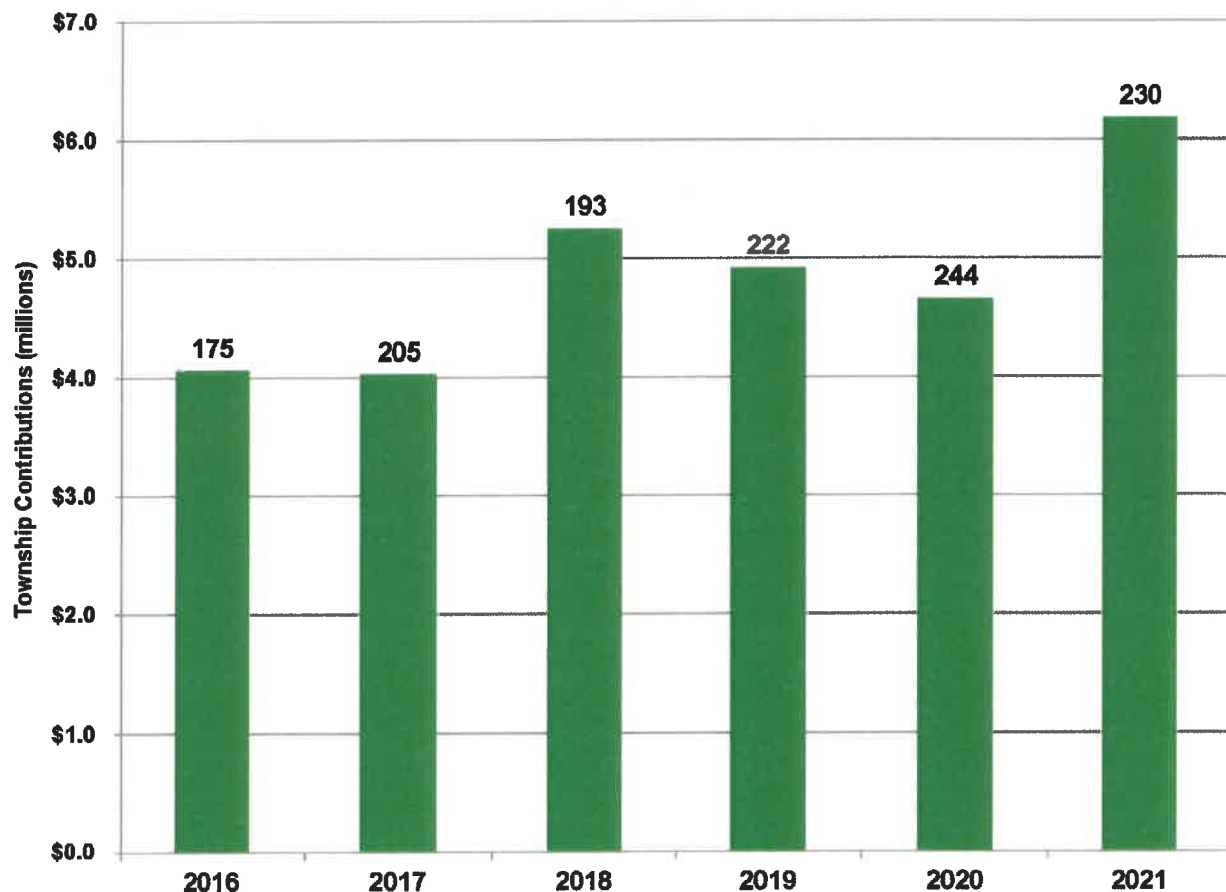
Improvement Type	Targeted	Completed
Reconstruction	22	48
Resurfacing	6	15
Preservation	175	120

Primary Road Lane Mile Improvements: 2016 - 2021



On the local road network, we maintained KCRC's long-standing cost-share program with our township partners. This resulted, once again, in increased levels of investment tailored to meet the available resources and specific needs of each township.

Local Road Network: Township Contributions



Looking Ahead to 2021

Looking ahead to 2021, we are pleased that the state budget maintains the level of investment envisioned in the 2015 transportation package. This will allow KCRC to maintain our robust road improvement program, keeping us on track to achieve 2021 improvement targets identified in the LRP.

KCRC will continue to employ an overall improvement strategy that incorporates a “mix of fixes” approach, including pavement preservation treatments, resurfacing, reconstruction and essential routine maintenance. Combined, these actions will help restore “poor” roads to good or fair condition and then preserve these assets for years to come.

Walker View

KCRC is steadily progressing towards a 2021 groundbreaking at Walker View, the site of the future Central Complex. Our management team has been meeting regularly with the team from Hobbs+Black Architects to finalize site design, and the City of Walker's Planning Commission recently approved phase one construction on the property. Serving as the project's construction manager, Owen Ames Kimball will oversee the site build, which initially will include mass site grading and the construction of material and equipment storage facilities.

Due to the pandemic, the option agreement with the City of Grand Rapids to purchase KCRC's Scribner property has been extended, providing an additional six-month period for the City to perform a due-diligence review. Scheduling of Walker View's phase two construction will be determined once the City has made a decision regarding the Scribner property.

Our Partners

The success we have as an organization is dependent in large part on maintaining positive relationships with township, county, city, and state officials. I want to thank these partners for their ongoing support. It is through our continued collaboration that, together, we navigated the challenges of 2020. Through our partnerships, we continue to increase investment in KCRC's road and bridge network, which directly benefits the communities and businesses we serve.



RECONSTRUCTION

68th Street – Burlingame Avenue to Clyde Park Avenue

Widened the existing 2-lane portion to 3 lanes. Work included trench widening, storm sewer modifications, HMA pavement, pavement markings and restoration.

84th Street - Kalamazoo Avenue to Breton Avenue

Reconstructed to 2-lane all season road standard. Work included tree removal, earthwork, ditches, culvert replacement, HMA Pavement, pavement markings and restoration.

100th Street – East and West of US-131

Reconstructed and widened east and west of US-131 in conjunction with replacement and widening the bridge over US-131. Work included earthwork, drainage, HMA pavement, pavement markings and restoration.

Segwun Avenue – Alden Nash Avenue to Grand River Drive

Widened existing 2-lane road to 3 lanes. Work included tree removal, earthwork, concrete curb and gutter, storm sewer, ditches, HMA pavement, pavement markings and restoration.

Full depth pavement removal and Hot Mix Asphalt (HMA) replacement:

- **68th Street** – Byron Center Avenue to Burlingame Avenue
- **Grand River Drive** – Snow Avenue to Segwun Avenue
- **Knapp Street** – East City Limits to East Beltline Avenue
- **Pratt Lake Avenue** – Full width at various locations between 84th Street and 52nd Street (prior to chip seal)

Crush and shape existing pavement and HMA replacement:

- **6 Mile Road** – Fruit Ridge Avenue to Walker Avenue
- **12 Mile Road** – Ramsdell Drive to Nugent Avenue
- **19 Mile Road** – Lincoln Pines to Bass Lake Avenue
- **20 Mile Road** – Trenton Avenue to Algoma Avenue
- **52nd Street** – Morse Lake Avenue to Timpson Avenue
- **Fruit Ridge Avenue** – 6 Mile Road to 10 Mile Road
- **Honey Creek Avenue** – Pettis Avenue to Conservation Street
- **Lincoln Lake Avenue** – Bradshaw Street to 19 Mile Road
- **Parnell Avenue** – Bailey Drive to 2 Mile Road

SINGLE COURSE MILL AND HMA OVERLAY

- **68th Street** – Hanna Lake Avenue to Patterson Avenue (skip)
- **Hanna Lake Avenue** – 68th Street to 60th Street

SAFETY

68th Street and Kraft Avenue

Purchased property on the Northeast quadrant of the intersection and removed the building near the intersection to improve sight distance.

Hanna Lake Avenue at 60th Street

Widened the east side of Hanna Lake Avenue to provide a separate right turn lane and left turn lane at the new traffic signal.

Lincoln Lake Avenue at Belding Road (M-44)

Widened north of Belding Road to provide a separate left turn lane and right turn lane; and modified pavement markings south of Belding Road to delineate a left turn lane for the future traffic signal (MDOT).

Traffic Signal Projects

These projects include the upgrade of the existing traffic signal, or installation of a new signal, with box configuration, LED signal heads, backplates and detection.

- **Cascade Road and Laraway Lake Drive**
- **Thornapple River Drive and Laraway Lake Drive**
- **Northland Drive and 13 Mile Road**
- **West River Drive and West River Center**
- **West River Drive and Lamoreaux Drive**
- **60th Street and Hanna Lake Avenue (new signal)**
- **84th Street and Byron Commerce Drive (new signal)**

BRIDGES AND CULVERTS

Alpine Bridge #24 – Vinton Avenue over Mill Creek

Culvert rehabilitation project repaired a portion of the existing twin corrugated metal pipe arches with a reinforced concrete bottom, sidewalls and wingwalls.

Bowne Bridge #5 – Wingeir Avenue over Pratt Lake Drain

Culvert rehabilitation project repaired a portion of the existing twin corrugated metal pipe arches with a reinforced concrete bottom and sidewalls.

Byron Bridge #66 – 108th Street over Dorr and Byron Drain

Culvert rehabilitation project repaired a portion of the existing twin corrugated metal pipe arches with a reinforced concrete bottom and sidewalls.

Lowell Bridge #16 – Division Street over the Grand River

Preventative maintenance project included deck joint replacement, concrete substructure and superstructure repair and protective concrete sealant.

Sparta Bridge #20 – Peach Ridge Avenue over unnamed tributary

Bridge replacement utilizing a precast concrete box culvert structure.

Sparta Bridge #38 – Alpine Avenue over the Rogue River

Bridge rehabilitation project included joint replacement, spot box beam replacement, deck waterproofing and new HMA wearing surface.

Spencer Bridge #10 – Hatch Avenue over Black Creek

Culvert rehabilitation project repaired a portion of the existing triple corrugated metal pipe arches with a reinforced concrete placed on external portion of galvanized metal culverts. Completed by KCRC's bridge crew.

Spencer Bridge #38 – Larsen Avenue over Cooper Creek

Bridge replacement utilizing a precast concrete box beam superstructure on Geo Reinforced Soil Abutments, permanent steel sheeting and precast block abutment facing.

NON-MOTORIZED

100th Street Trail

Constructed a 10-foot-wide asphalt non-motorized trail extending from the Southbound US-131 Ramps easterly to Division Avenue along the south side of 100th Street. Contiguous with the 100th Street Bridge over US-131. Local match provided by Byron Township.

Fred Meijer Pioneer Trail Phase 5

Constructed a 10-foot-wide asphalt non-motorized trail extending along the east side of West River Drive from Lankamp Street northerly to North Park Street, completing the long awaited Musketawa/White Pine Trail connection. Local match provided by the County of Kent.

Fred Meijer Flat River Valley and Grand River Valley Rail Trail

Improvements to existing abandoned rail grades between City of Lowell and City of Greenville and the City of Lowell and City of Saranac to provide a 10-foot wide primarily unpaved non-motorized trail. Work includes bridge and culvert work, crushed asphalt surface and grading. Local match provided by City of Greenville and the County of Ionia.

**2021 Amended Budget
Appropriation Act**

	<u>2019 Actual</u>	<u>2020 Amended Budget</u>	<u>2021 Amended Budget</u>	<u>Attachment</u>
Revenue				
Michigan Transportation Funds (MTF)	\$ 48,686,235	\$ 51,000,000	\$ 56,936,176	
State General Fund				
Surplus Appropriation	5,721,832	-	-	
Additional Appropriation	1,000,000	-	-	
Federal and State Grants				
Motorized	6,457,355	7,694,817	9,007,422	A
Non-Motorized	1,441,980	3,433,500	1,165,000	
State Trunkline contract	11,467,694	12,300,000	10,500,000	
Local Government Contributions	5,345,921			
Road Projects	-	7,901,175	8,183,500	
Non-Motorized	-	1,671,500	935,000	
Services Provided	3,242,712	1,800,000	1,300,000	
Sale of Capital Assets and salvage	352,663	300,000	350,000	
Property Rental	171,147	175,000	150,000	
Interest	610,599	650,000	450,000	
Total Revenue	<u>84,498,139</u>	<u>86,925,992</u>	<u>88,977,098</u>	
Expenditures				
Primary Roads				
Reconstruction	15,544,983	14,791,150	15,960,000	
Resurfacing	706,186	1,000,000	1,000,000	
Preservation	5,682,099	4,155,000	4,500,000	
Safety	4,087,905	3,670,000	2,925,000	
Bridges and Culverts	1,712,697	1,710,000	1,503,000	
Total Primary Roads	<u>27,733,869</u>	<u>25,326,150</u>	<u>25,888,000</u>	A
Local Roads				
Reconstruction	7,549,103	13,198,350	12,825,000	
Resurfacing	749,520	1,409,000	1,000,000	
Preservation	4,243,514	3,820,000	2,668,000	
Safety	877,600	596,000	600,000	
Bridges and Culverts	253,904	1,400,000	600,000	
Total Local Roads	<u>13,673,641</u>	<u>20,423,350</u>	<u>17,693,000</u>	
Routine Maintenance				
State	6,985,805	8,300,000	6,500,000	
Primary	5,751,840	6,325,000	6,325,000	B
Local	8,642,957	7,825,000	10,575,000	B
Total Routine Maintenance	<u>21,380,601</u>	<u>22,450,000</u>	<u>23,400,000</u>	
Winter Maintenance				
State	4,344,131	4,000,000	4,000,000	
Primary	2,767,287	2,140,000	3,140,000	
Local	2,713,497	2,140,000	3,140,000	
Total Winter Maintenance	<u>9,824,915</u>	<u>8,280,000</u>	<u>10,280,000</u>	
Non-Motorized	2,370,248	5,105,000	2,100,000	
Equipment Operations	834,861	909,500	750,000	
Capital Outlay				
Buildings	598,767	1,328,000	2,255,000	C
Equipment	3,232,767	6,644,603	7,173,000	C
Depreciation	(4,115,295)	(4,100,000)	(4,300,000)	
Services Provided	1,275,560	1,500,000	1,000,000	
Administration	2,418,014	2,750,000	2,900,000	D
Contingency	-	5,000,000	5,000,000	
Total Expenditures	<u>79,227,949</u>	<u>95,616,603</u>	<u>94,139,000</u>	
Revenues Over (Under) Expenditures	5,270,190	(8,690,611)	(5,161,902)	
Fund Balance, Beginning of Year	<u>22,756,455</u>	<u>28,026,645</u>	<u>28,752,138</u>	
Projected Fund Balance, End of Year	<u>\$ 28,026,645</u>	<u>\$ 19,336,034</u>	<u>\$ 23,590,236</u>	

2021 Amended Budget

Primary Road Projects
Attachment A

Category	Road	Limits	Miles	Lanes	Lane Miles	Improvement	Source of Funds			Project Total
							KCRC	Federal/State	Local	
Reconstruction	Expansion/All-Season									
	100th St.	Kalamazoo Ave. to Hanna Lake Ave.	2.0	2.0	4.0	All-Season	\$ 1,100,000	\$ 1,830,000	\$	2,930,000
	84th St.	Bretton Ave. to Hanna Lake Ave.	1.0	2.0	2.0	All-Season	448,550	981,450		1,430,000
	68th St.	Cherry Valley Ave. to Thornapple River Dr.	1.0	2.0	2.0	All-Season	1,350,000			1,350,000
	84th St.	Division Ave. to Eastern Ave.	1.0	3.0	3.0	3 Lane Expansion	296,200	1,116,800	687,000	2,100,000
Full Depth Pavement	7 Mile Rd.	Alpine Ave. to Pine Island Dr.	1.8	2.0	3.6	Resurface	273,000	462,000		735,000
	13 Mile Rd.	Grange Ave. to Edgerton Ave.	2.3	2.0	4.6	Resurface	280,000	770,000		1,050,000
	13 Mile Rd.	Sparta Village to Grange	3.5	2.0	7.0	Resurface	515,668	849,332		1,365,000
	68th St.	Division Ave. to Eastern Ave.	1.0	4.0	4.0	Resurface	233,000	717,000		950,000
	Fruit Ridge Ave.	4 Mile Rd. to 6 Mile Rd.	2.0	2.0	4.0	Resurface	190,000	640,000		830,000
	Whitneyville Ave.	I-96 to Cascade Rd.	1.0	2.0	2.0	Resurface	181,260	188,740		370,000
	Crush & Shape	Various Locations	3.2	2.2	7.0	Resurface	675,000			675,000
	Mill & Fill	Various Locations	2.0	2.2	4.4	Resurface	575,000			575,000
	Total Reconstruction			21.8	47.6		6,117,678	7,555,322	687,000	14,360,000
	Resurfacing	Cascade Rd.	Burton St. to 28th St.	0.5	2.2	1.1	Resurface	600,000		
Overlays		Various Locations	6.5	2.2	14.3	Resurface	400,000			400,000
Total Resurfacing						1,000,000			1,000,000	
Preservation	Surface Treatments	Various Locations	80.0	2.2	176.0	Sealcoat and Micro Surface	4,000,000			4,000,000
	Thin Overlays		5.0	2.2	11.0		500,000			500,000
	Total Preservation		85.0		187.0		4,500,000			4,500,000
Safety	Division Ave. at 76th St.					Signal Upgrade	150,000			150,000
	East Paris Ave. at 68th St.					Signal Upgrade	150,000			150,000
	East Paris Ave. at Cook Valley Blvd.					Signal Upgrade	150,000			150,000
	Various Locations					Capacity / Safety Improvement	625,000			625,000
Total Safety						1,075,000			1,075,000	
Bridges and Culverts	Sparta Bridge #28	Division St. over Rogue River				Rehabilitation	275,000			275,000
	Tyrone Bridge #15	20 Mile Rd. over Walter Creek				Replacement	71,800	414,200		486,000
	Tyrone Bridge #18	20 Mile Rd. over the Rogue River				Rehabilitation	54,100	267,900		322,000
	Preventive Maintenance	Various Locations					270,000			270,000
Total Bridges and Culverts						670,900	682,100		1,353,000	
Total Primary Projects			113.3	248.9		\$ 13,363,578	\$ 8,237,422	\$ 687,000	\$ 22,288,000	

Note: Projects are subject to change.

2021 Amended Budget

Routine Maintenance

Attachment B

Primary

Description	2019	2020	2021
	Actual	Amended Budget	Amended Budget
Adopt-a-Road Expenses	12,522	29,829	29,829
Bridge Preventative Maint.	-	119,318	119,318
Brush back mowing	-	238,637	238,637
Crack sealing	83,270	57,954	57,954
Drainage And Backslopes	1,215,127	893,182	893,182
Grass And Weed Control	476,214	452,613	452,613
Guard Rail & Posts	44,632	179,659	179,659
Partial Depth Mill and Fill	-	119,318	119,318
Restoration	107,617	35,796	35,796
Roadside Cleanup	77,743	89,488	89,488
Shoulder Maintenance	242,039	377,272	377,272
Spot Mill and Fill	-	157,954	157,954
Supervision	517,120	596,591	596,591
Surface Maintenance	1,939,122	1,881,363	1,881,363
Sweeping And Flushing	133,191	178,978	178,978
Trees And Shrubs	892,272	893,182	893,182
Weight Limit Signing	10,971	23,866	23,866
Total Primary	\$ 5,751,840	\$ 6,325,000	\$ 6,325,000

Local

Description	2019	2020	2021
	Actual	Amended Budget	Amended Budget
Adopt-a-Road Expenses	7,023	11,317	15,294
Bridge Preventative Maint.	-	6,587	8,902
Brush back mowing	-	13,173	17,802
Crack sealing	49,101	63,173	85,374
Drainage And Backslopes	2,094,471	1,355,539	1,831,927
Dust Control	387,249	509,282	688,263
Grass And Weed Control	373,961	239,521	323,698
Guard Rail & Posts	11,320	36,587	49,445
Restoration	167,441	84,880	114,710
Roadside Cleanup	31,478	56,587	76,474
Shoulder Maintenance	151,941	182,934	247,224
Supervision	638,222	679,042	917,683
Surface Maintenance	3,036,321	2,790,210	3,770,795
Sweeping And Flushing	100,171	120,270	162,537
Trees And Shrubs	1,582,452	1,647,604	2,226,634
Weight Limit Signing	11,806	28,294	38,238
Total Local	\$ 8,642,957	\$ 7,825,000	\$ 10,575,000

2021 Amended Budget

Capital Outlay Attachment C

	Unit Cost	2021 Budget
Buildings		
Add road material storage bunkers at North		\$ 185,000
Replace 3 overhead doors at North		50,000
Upgrade electrical panels at North		50,000
Replace air handlers at South		200,000
Repair salt dome at South		110,000
Upgrade Co/No2 system at Southwest		100,000
Install metal siding on salt barn at Southwest		50,000
Scissor lift		12,000
Hi-lo		13,000
Fuel tank replacement at North		135,000
New Central Complex at Walker View		1,000,000
Land and Land Improvements		
Pave drive & storage area at North part 1		200,000
Pave drive & storage area at North part 2		150,000
Total Buildings		\$ 2,255,000
Plow Trucks		
Single Axle Truck		
10 Chassis	110,000	1,100,000
10 Underbody scraper	8,000	80,000
10 Wing	7,000	70,000
10 Labor to complete trucks	60,000	600,000
Carryover		
1 Five Axle Truck (2022)	250,000	250,000
8 Single Axle Trucks (2022)	185,000	1,480,000
8 Labor to complete single axle trucks (2021)	17,500	140,000
1 Five Axle Truck (2021)	30,000	30,000
Total Plow Trucks		3,750,000
Heavy Equipment		
Replacements		
2 Motor grader	305,000	610,000
4 Tractors	90,000	360,000
3 Side mower	25,000	75,000
3 Rear mower	10,000	30,000
1 Skid steer	80,000	80,000
1 Clam bucket	5,000	5,000
1 Mill	20,000	20,000
1 Utility trailer	12,000	12,000
3 Trailer - 16,000 lb	20,000	60,000
2 Trailer - 20,000 lb	25,000	50,000
1 Hot patcher	24,000	24,000
1 Durapatcher	75,000	75,000
1 Tar distributor	190,000	190,000
1 Trailer-mounted compressor	20,000	20,000
Additions		
1 Semi tractor	140,000	140,000
2 Rollers	35,000	70,000
1 Side mower	25,000	25,000
1 Rear mower	10,000	10,000
1 Boom arm mower	50,000	50,000
2 Pickup broom	5,000	10,000
1 Chipper	60,000	60,000
Carryover		
1 Loader	275,000	275,000
1 Brine trailer #2	120,000	120,000
1 Aerial lift for Sign Shop	145,000	145,000
Total Heavy Equipment		2,516,000
Small Equipment		
Power Tools		20,000
Shop Tools		20,000
Total Small Equipment		40,000
Work Trucks		
1 1 ton 4x2 SRW crew cab with utility box	35,000	35,000
2 1 ton 4x2 DRW crew cab with dump	60,000	120,000
2 1 ton 4x2 DRW crew can with flat bed	50,000	100,000
1 1 ton 4x4 SRW extended cab with plow and utility box	48,000	48,000
3 3/4 ton 4x4 extended cab with plow	41,000	123,000
1 3/4 ton 4x2 extended cab (sign shop)	30,000	30,000
1 1/2 ton 4x4 extended cab (road patrol)	36,000	36,000
2 1/2 ton 4x2 extended cab	30,000	60,000
9 1/2 ton pickup	35,000	315,000
Total Work Trucks		867,000
Total Equipment		\$ 7,173,000

2021 Amended Budget**Administration
Attachment D**

	2019	2020	2021
	Actual	Amended Budget	Amended Budget
Advertising	\$ 24,939	\$ 50,000	\$ 50,000
Depreciation	54,579	65,000	55,000
Equipment Rental	35,988	46,000	40,000
Information Technology	125,251	150,000	150,000
Insurance	24,859	80,000	80,000
Personnel Costs	1,629,385	1,900,000	2,000,000
Professional Services	216,229	205,000	215,000
Repairs and Maintenance	112,560	75,000	100,000
Supplies	130,596	110,000	150,000
Training and Travel	28,659	20,000	15,000
Utilities	134,069	149,000	150,000
Handling Charges on Materials Sold	(93,912)	(95,000)	(100,000)
Purchase Discounts	(5,188)	(5,000)	(5,000)
Total Administration	\$ 2,418,014	\$ 2,750,000	\$ 2,900,000



RECONSTRUCTION

68th Street – Cherry Valley Avenue to Thornapple River Drive (south)

Reconstruct to 2-lane all-season road standard. Work includes tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration. Through traffic will be detoured.

84th Street – Division Avenue to Eastern Avenue

Widen existing 2-lane portion to 3 lanes. Work includes earthwork, concrete curb and gutter, storm sewer, drainage, sanitary sewer (Gaines Township) HMA pavement, pavement markings and restoration. Through traffic will be detoured.

84th Street – Breton Avenue to Hanna Lake Avenue

Reconstruct to 2-lane all-season road standard. Work includes tree removal, earthwork, ditches, culvert replacement or extension, HMA pavement, pavement markings and restoration. Through traffic will be detoured.

100th Street – Kalamazoo Avenue to Hanna Lake Avenue

Reconstruct to 2-lane all-season road standard. Work includes tree removal, earthwork, ditches, culvert replacement, HMA pavement, pavement markings and restoration. Through traffic will be detoured.

7 Mile Road - Alpine Avenue to Pine Island Drive

Crush and shape the existing asphalt surface and place 2 courses of hot mix asphalt (HMA). Through traffic will be detoured.

13 Mile Road – Sparta east Village limit to Edgerton Avenue

Crush and shape the existing asphalt surface and place 2 courses of hot mix asphalt (HMA). Project will be completed in 2 phases; west of Pine Island Drive is phase 1 and east of Pine Island Drive is phase 2. Through traffic will be detoured.

68th Street – Division Avenue to Eastern Avenue

Cold mill existing 4-lane asphalt surface and place 2 courses of HMA. Upgrade sidewalk ramps to meet current ADA requirements. Two-way traffic will be maintained.

Fruit Ridge Avenue – 4 Mile Road to 6 Mile Road

Crush and shape the existing asphalt surface and place 2 courses of HMA. Through traffic will be detoured.

Whitneyville Avenue – From north of I-96 overpass to Cascade Road

Crush and shape the existing asphalt surface and place 2 courses of HMA. Through traffic will be detoured.

RESURFACING

Cascade Road – Burton Street to 28th Street

Cold mill existing 5-lane asphalt surface partial depth and place single course HMA. Milling and paving work will be phased to maintain 2-way traffic at all times.

SAFETY

Traffic Signal Projects

These projects include the upgrade of the existing traffic signal, or installation of a new signal, with box configuration, LED signal heads, backplates and detection.

- **Division Avenue at 76th Street**
- **East Paris Avenue at 68th Street**
- **East Paris Avenue at Cook Valley Boulevard**

BRIDGES AND CULVERTS (PRIMARY & LOCAL)

Sparta Bridge #28 – 13 Mile Road over the Rogue River

Bridge rehabilitation project includes spot concrete box beam replacement deck waterproofing, concrete abutment repair and new HMA surface.

Spencer Bridge #8 – Rooksby Street over Black Creek

Culvert rehabilitation project to repair deteriorated portion of the existing triple corrugated metal pipe arches with reinforced concrete placed on the external portion of the galvanized metal culverts.

Tyrone Bridge #15 – 20 Mile Road over Walter Creek

Bridge replacement project to remove the existing steel girder bridge and install a precast concrete box culvert.

Tyrone Bridge #20 – 20 Mile Road over the Rogue River

Bridge superstructure replacement project to remove the existing concrete deck and steel beams and replace with galvanized steel beams and reinforced concrete deck and railing.

NON-MOTORIZED

Nelson Township Trail

Construction of a 10-foot-wide asphalt non-motorized trail extending from Cedar Springs High School south and east to the Ritchie Avenue Sports Complex. Local match provided by Nelson Township. **(Fall Letting)**

4 Mile Road Sidewalk

Construction of a 5 to 6-foot-wide concrete sidewalk along the north side of 4 Mile Road extending from Yorkview Drive to West River Drive. Local match provided by Alpine Township.

Burton Street Non-Motorized Trail over I-96

Extend existing Non-motorized trail from Highridge Lane west to Patterson Avenue, including Pedestrian Bridge over I-96.

LOCAL ROAD CONSTRUCTION

5 Mile Road – East of Dursum Avenue to Honey Creek Avenue (Cannon)

Construct existing gravel roadway to KCRC Local road standard including 2 courses of HMA surface.

13 Mile Road – Heintzelman Avenue to Podunk Avenue (Oakfield)

Construct existing gravel roadway to KCRC Local road standard including 2 courses of HMA surface.

16 Mile Road – Pennington Avenue to Algoma Avenue (Solon)

Construct existing gravel roadway to KCRC Local road standard including 2 courses of HMA surface.

16 Mile Road – Ritchie Avenue to Shaner Avenue (Courtland & Nelson)

Construct existing gravel roadway to KCRC Local road standard including 2 courses of HMA surface.

Category	Road	Limits	Lane		Improvement	Source of Funds			Project Total	Program
			Miles	Miles		KCRC	Federal/State	Local		
Reconstruction										
Expansion/All-Season										
100th St.	Hanna Lake Ave. to East Paris Ave.		1.0	2.0	All-Season	\$ 437,000	\$ 913,000	\$	1,350,000	STP-R(STL)
68th St.	Plaster Creek to Hanna Lake Ave.		0.6	3.0	Widening 4 to 5 lanes	300,000	1,200,000		1,500,000	EDC
68th St.	Thornapple River Dr. to Whitneyville Ave.		1.0	2.0	All-Season	1,400,000			1,400,000	
Cascade Rd.	36th St. to Whitneyville Ave.		0.8	2.4	Widening 2 to 3 lanes	280,000	1,120,000		1,400,000	EDC
Clyde Park Ave.**	108th St. to 100th St.		1.0	2.0	All-Season		1,040,000	260,000	1,300,000	Cat-A
Full Depth Resurface										
68th St.	Eastern Ave. to Kalamazoo Ave.		1.0	4.0	Resurface	184,000	731,000		915,000	NH
4 Mile Rd.	Coit Ave. to Plainfield Ave.		1.0	3.0	Resurface	150,000	450,000		600,000	EDC
6 Mile Rd.	Alpine Ave. to Pine Island Dr.		1.8	3.6	Resurface	250,657	749,343		1,000,000	STP-U
Wolverine Blvd.	11 Mile Rd. to 12 Mile Rd.		1.0	4.0	Resurface	400,790	899,210		1,300,000	STP-U
Crush & Shape	Various Locations		8.1	17.8	Resurface	2,000,000	-		2,000,000	
Mill & Fill	Various Locations		8.1	17.8	Resurface	2,000,000	-		2,000,000	
Total Reconstruction			25.4	61.6		7,402,447	7,102,553	260,000	14,765,000	
Resurfacing										
Overlays	Various Locations		7.0	15.4	Resurface	1,000,000			1,000,000	
Total Resurfacing			7.0	15.4		1,000,000	-	-	1,000,000	
Preservation										
Surface Treatments	Various Locations		86.0	189.2	Sealcoat and Micro Surface	4,000,000			4,000,000	
Thin Overlays	Various Locations		15.0	33.0		1,000,000			1,000,000	
Total Preservation			101.0	222.2		5,000,000	-	-	5,000,000	
Safety										
Various Locations	Capacity / Safety Improvement					1,100,000			1,100,000	
Total Safety						1,100,000	-	-	1,100,000	
Bridges and Culverts										
Ada Bridge #5	Knapp St. over the Grand River				Preservation	21,000	399,000		420,000	
Tyrone Bridge #21	18 Mile Rd. over the Rogue River				Rehabilitation	23,150	439,850		463,000	
Preventive Maintenance	Various Locations					1,100,000			1,100,000	
Total Bridges						1,144,150	838,850	-	1,983,000	
Total Primary Projects			133.4	299.2		\$ 15,646,597	\$ 7,941,403	\$ 260,000	\$ 23,848,000	

**Local road that would be requested to be primary after improvements

Category	Road	Limits	Lane		Improvement	Source of Funds			Project Total	Program
			Miles	Miles		KCRC	Federal/State	Local		
Reconstruction										
Expansion/All-Season										
100th St.	East Paris Ave. to Patterson Ave.	1.0	2.0	All-Season			\$ 419,000	\$ 931,000	\$ 1,350,000	STP-R(STL)
84th St.	Hanna Lake Ave. to East Paris Ave.	1.0	2.0	All-Season			425,854	974,146	1,400,000	STP-U
10 Mile Rd.	Pine Island to Algoma	2.0	4.0	All-Season			3,000,000		3,000,000	
68th St.	Kraft Ave. to Cherry Valley Dr.	1.0	2.0	All-Season			1,500,000		1,500,000	
Full Depth Pavement										
Buttrick Ave.	Thornapple River Dr. to Grand River Dr.	0.5	1.0	Resurface			63,998	236,002	300,000	STP-U
Northland Dr.	12 Mile Rd. to 13 Mile Rd.	1.0	5.0	Resurface			380,000	720,000	1,100,000	EDC
Northland Dr.	13 Mile Rd. to 14 Mile Rd.	1.2	6.0	Resurface			240,000	936,614	1,176,614	EDC
Crush & Shape	Various Locations	9.0	19.8	Resurface			2,000,000		2,000,000	
Mill & Fill	Various Locations	10.0	22.0	Resurface			1,000,000		1,000,000	
Total Reconstruction		26.7	63.8				9,028,852	3,797,762	-	12,826,614
Resurfacing										
Overlays	Various Locations	8.0	17.6	Resurface			1,000,000		1,000,000	
Total Resurfacing		8.0	17.6				1,000,000	-	-	1,000,000
Preservation										
Surface Treatments	Various Locations	84.0	184.8	Sealcoat and Micro Surface			4,000,000		4,000,000	
Thin Overlays		15.0	33.0				1,250,000		1,250,000	
Total Preservation		99.0	217.8				5,250,000	-	-	5,250,000
Safety										
Various Locations	Capacity / Safety Improvement						1,250,000		1,250,000	
Total Safety							1,250,000	-	-	1,250,000
Bridges and Culverts										
Preventive Maintenance	Various Locations						1,250,000		1,250,000	
Total Bridges							1,250,000	-	-	1,250,000
Total Primary Projects		133.7	299.2				\$ 17,778,852	\$ 3,797,762	\$ -	\$ 21,576,614

Category	Road	Limits	Lane Miles		Improvement	Source of Funds			Project Total	Program
			Miles	Miles		KCRC	Federal/State	Local		
Reconstruction										
Expansion/All-Season										
100th St.	Patterson Ave. to Kraft Ave.		1.0	2.0	All-Season	\$ 440,000	\$ 935,000	\$	1,375,000	STP-U
84th St.	East Paris Ave. to Patterson Ave.		1.0	2.0	All-Season	387,992	1,062,008		1,450,000	STP-U
Wilson Ave.	76th to M-6		1.3	2.6	All-Season	1,925,000			1,925,000	
Lincoln Lake Ave.	Belding Rd. to Strotheide St.		0.8	1.6	All-Season	224,000	896,000		1,120,000	STP-R
Full Depth Pavement										
Crush & Shape	Various Locations		15.0	33.0	Resurface	2,500,000	1,000,000		3,500,000	STP-U
Mill & Fill	Various Locations		15.0	33.0	Resurface	2,000,000	1,000,000		3,000,000	STP-U
Total Reconstruction			34.1	74.2		7,476,992	4,893,008	-	12,370,000	
Resurfacing										
Overlays	Various Locations		10.0	22.0	Resurface	1,500,000			1,500,000	
Total Resurfacing			10.0	22.0		1,500,000	-	-	1,500,000	
Preservation										
Surface Treatments	Various Locations		82.0	180.4	Sealcoat and Micro Surface	4,000,000			4,000,000	
Thin Overlays			15.0	33.0		1,500,000			1,500,000	
Total Preservation			97.0	213.4		5,500,000	-	-	5,500,000	
Safety										
Various Locations					Capacity / Safety Improvement	1,250,000			1,250,000	
Total Safety						1,250,000	-	-	1,250,000	
Bridges and Culverts										
Preventive Maintenance	Various Locations					1,250,000			1,250,000	
Total Bridges						1,250,000	-	-	1,250,000	
Total Primary Projects			141.1	309.6		\$ 16,976,992	\$ 4,893,008	\$ -	\$ 21,870,000	

Note: Projects are subject to change.

Category	Road	Limits	Miles	Lane Miles	Improvement	Source of Funds			Project Total	Program
						KCRC	Federal/State	Local		
Reconstruction										
Expansion/All-Season										
84th St.	Patterson Ave. to Broadmoor (M-37)		1.8	5.4	All-Season	\$ 1,688,000	\$ 1,188,000	\$ 2,876,000	STP-U	
Lincoln Lake Ave.	Sirotheide St. to Heffron St.		1.0	2.0	All-Season	280,000	1,120,000	1,400,000	STP-R	
Myers Lake Ave.	12 Mile Rd. to 13 Mile Rd.		1.0	2.0	All-Season	500,000	1,000,000	1,500,000		
Full Depth Pavement										
Division Ave.	76th St. to 68th St.		1.0	4.0	Resurface	183,000	717,000	900,000	STP-U	
Kalamazoo Ave.	68th St. to 60th St.		1.0	5.0	Resurface	369,000	731,000	1,100,000	NH	
Crush & Shape	Various Locations		15.0	33.0	Resurface	3,000,000	1,000,000	4,000,000	STP-U	
Mill & Fill	Various Locations		15.0	33.0	Resurface	3,000,000	1,000,000	4,000,000	STP-U	
Total Reconstruction			35.8	84.4		9,020,000	6,756,000	-	15,776,000	
Resurfacing										
Overlays	Various Locations		10.0	22.0	Resurface	1,500,000	-	-	1,500,000	
Total Resurfacing			10.0	22.0		1,500,000	-	-	1,500,000	
Preservation										
Surface Treatments	Various Locations		82.0	180.4	Sealcoat and Micro Surface	4,000,000	-	-	4,000,000	
Thin Overlays	Various Locations		15.0	33.0		1,500,000	-	-	1,500,000	
Total Preservation			97.0	213.4		5,500,000	-	-	5,500,000	
Safety										
Various Locations	Capacity / Safety Improvement					1,250,000	-	-	1,250,000	
Total Safety						1,250,000	-	-	1,250,000	
Bridges and Culverts										
Preventive Maintenance	Various Locations					1,250,000	-	-	1,250,000	
Total Bridges						1,250,000	-	-	1,250,000	
Total Primary Projects			142.8	319.8		\$ 18,520,000	\$ 6,756,000	\$ -	\$ 25,276,000	

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
FUND 101 - GENERAL FUND							
02/04/2021	GENF	72445	B & B TRUCK EQUIPMENT INC	VEHICLE MAINT	863-000	265	32.32
02/04/2021	GENF	72448	B&V MECHANICAL INC.	COMPLEX MAINTENANCE	931-000	265	955.41
02/04/2021	GENF	72449	CARLETON EQUIPMENT	LIGHT FLOOD REAR	863-000	265	118.36
02/04/2021	GENF	72452	CONSUMERS ENERGY	STREETLIGHTING	926-000	448	318.59
02/04/2021	GENF	72453	CONSUMERS ENERGY	STREETLIGHTING	926-000	448	11,539.42
02/04/2021	GENF	72456*#	DTE ENERGY	COMPLEX HEATING DTE ENERGY	923-000	265	1,224.61
02/04/2021	GENF	72456	DTE ENERGY	COMPLEX HEATING	923-000	265	1,366.57
02/04/2021	GENF	72456	DTE ENERGY	MUSEUM HEATING DTE ENERGY	923-000	803	126.50
				CHECK GENF 72456 TOTAL FOR FUND 101:			<u>2,717.68</u>
02/04/2021	GENF	72462*#	THE HOME DEPOT CREDIT SERVICES	IMITATION DOME SEC CAM	931-000	265	63.81
02/04/2021	GENF	72464*#	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	54.48
02/04/2021	GENF	72464	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	9.62
02/04/2021	GENF	72464	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	99.74
02/04/2021	GENF	72464	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	32.45
02/04/2021	GENF	72464	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	192.63
02/04/2021	GENF	72464	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	4.49
02/04/2021	GENF	72464	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	12.82
				CHECK GENF 72464 TOTAL FOR FUND 101:			<u>406.23</u>
02/04/2021	GENF	72467*#	MINER SUPPLY COMPANY	COMPLEX MAINTENANCE	931-000	265	415.20
02/04/2021	GENF	72470	AARON NEWTON	REIMBURSE 7 MILES - A.NEWTON	860-000	253	3.92
02/04/2021	GENF	72472	PSI PRINTING SYSTEMS INC	ELECTION SUPPLIES	756-000	262	846.34
02/04/2021	GENF	72475*#	SUPERIOR PEST CONTROL INC	COMPLEX MAINTENANCE	931-000	265	55.00
02/04/2021	GENF	72475	SUPERIOR PEST CONTROL INC	COMPLEX MAINTENANCE	931-000	265	55.00
02/04/2021	GENF	72475	SUPERIOR PEST CONTROL INC	MUSEUM MAINTENANCE	961-000	803	50.00
				CHECK GENF 72475 TOTAL FOR FUND 101:			<u>160.00</u>
02/04/2021	GENF	72487*#	VERIZON WIRELESS	MANAGERS CELL PHONE	925-000	171	85.10
02/04/2021	GENF	72487	VERIZON WIRELESS	CLERK CELL PHONE	925-000	215	48.76
02/04/2021	GENF	72487	VERIZON WIRELESS	CELL PHONES/DATA- ASSESSING DEPT	924-100	257	125.09
02/04/2021	GENF	72487	VERIZON WIRELESS	BLDG AND GROUNDS CELL PHONES	924-100	265	153.40
02/04/2021	GENF	72487	VERIZON WIRELESS	CELL PHONES/DATA- HR MANAGER	924-100	295	50.03
02/04/2021	GENF	72487	VERIZON WIRELESS	COMM DEV CELL/DATA	925-000	721	150.09
				CHECK GENF 72487 TOTAL FOR FUND 101:			<u>612.47</u>
02/04/2021	GENF	72488	WEST MICH DOCUMENT SHREDDING LLC	SHREDDING SERVICE	931-000	265	150.00
02/05/2021	GENF	6628(A)	HOPE NETWORK	TRANSPORTATION SERVICES- JAN. 2021	859-000	652	278.95
02/05/2021	GENF	6638(A)#	THE LIGHT BULB COMPANY	COMPLEX MAINTENANCE	931-000	265	528.00
02/05/2021	GENF	6638(A)	THE LIGHT BULB COMPANY	PARK MAINTENANCE- LIGHT BULBS	935-000	756	56.95
				CHECK GENF 6638(A) TOTAL FOR FUND 101:			<u>584.95</u>

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/11/2021	GENF	72490*#	ARROWASTE	COMPLEX MAINTENANCE	931-000	265	260.91
02/11/2021	GENF	72490	ARROWASTE	PARK MAINTENANCE	935-000	756	238.68
				CHECK GENF 72490 TOTAL FOR FUND 101:			499.59
02/11/2021	GENF	72491	B & B TRUCK EQUIPMENT INC	SNOW SERVICE LABOR	863-000	265	93.00
02/11/2021	GENF	72492	CARLETON EQUIPMENT	VEHICLE MAINT	863-000	265	672.11
02/11/2021	GENF	72493	CASCADE CHARTER TOWNSHIP	TRANSFER TO FIRE FUND	999-006	965	33,333.33
02/11/2021	GENF	72495	CHULSKI'S SALT SERVICE LLC	COMPLEX MAINTENANCE- ROCK SALT	931-000	265	3,363.85
02/11/2021	GENF	72496*#	CINTAS	COMPLEX MAINTENANCE	931-000	265	535.72
02/11/2021	GENF	72497	DEBORAH KAY RING	ASSESSING CONTRACTUAL SERVICES- APRIL 20	801-000	257	2,000.00
02/11/2021	GENF	72498	ENVIRONMENTAL, GREAT LAKES, & EGY	ILLCIT DISCHARGE PLAN	822-000	445	500.00
02/11/2021	GENF	72499	FOX FORD MAZDA	PARTS AND LABOR	863-000	265	1,509.76
02/11/2021	GENF	72500	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	50.04
02/11/2021	GENF	72500	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	36.10
02/11/2021	GENF	72500	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	26.19
				CHECK GENF 72500 TOTAL FOR FUND 101:			112.33
02/11/2021	GENF	72501*#	INTERURBAN TRANSIT PARTNERSHIP	BUS SERVICE 33RD & 36TH	861-000	652	2,376.86
02/11/2021	GENF	72501	INTERURBAN TRANSIT PARTNERSHIP	BUS SERVICE 28TH ST	861-100	652	15,767.52
				CHECK GENF 72501 TOTAL FOR FUND 101:			18,144.38
02/11/2021	GENF	72522	VALLEY CITY SIGNS	INSTALLATION	975-000	901	539.00
02/11/2021	GENF	72522	VALLEY CITY SIGNS	SIGN	975-000	901	4,423.00
				CHECK GENF 72522 TOTAL FOR FUND 101:			4,962.00
02/11/2021	GENF	72523	VARNUM	LEGAL FEES	826-000	295	3,078.00
02/11/2021	GENF	72523	VARNUM	LEGAL FEES	826-000	295	798.00
				CHECK GENF 72523 TOTAL FOR FUND 101:			3,876.00
02/12/2021	GENF	6645(A)	CONSUMERS ENERGY	1030 3693 2491 5920 TAHOE	921-000	265	1,346.79
02/12/2021	GENF	6646(A)	EASTERN FLORAL & GIFTS	PLANTSCAPE FEB. 2021	787-000	295	54.00
02/12/2021	GENF	6648(A)	NAPA AUTO PARTS	VEHICLE MAINT	863-000	265	57.96
02/12/2021	GENF	6648(A)	NAPA AUTO PARTS	WATER SEPARATION VALVE	863-000	265	47.49
				CHECK GENF 6648(A) TOTAL FOR FUND 101:			105.45
02/12/2021	GENF	6650(A)*#	KINGSLAND'S ACE HARDWARE	WIPER BLADES	863-000	265	17.98
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	FOAM WASH CERAMIC WET WAX AND TOWELS	863-000	265	29.47
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	TORO RECYCLING BLADE	863-000	265	53.97
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	TORO RECYCLING BLADE	863-000	265	19.79
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	TORO ARM SPRING	863-000	265	8.09
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	AWG TERM BUTT SPLICE AND HEAT SHRINK	863-000	265	14.38
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	STAMP SETS	863-000	265	59.38
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	CREDIT RETURN TORO BLADE ORIG INV 211577	863-000	265	(53.97)
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	PROPANE CYLINDER	864-000	265	3.59
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	KEY TAGS AND KEY BLANKS	931-000	265	10.20

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	COMPLEX MAINTENANCE	931-000 265	1.77
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	CABLE LAG EYEBOLTS AND COLD SHUT	931-000 265	61.94
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	PAINT HARDNER	931-000 265	7.73
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	PAINT HARDNER ANTISIPHON REPAIR	931-000 265	21.55
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	ALERT WINDOW STICKER	931-000 265	17.98
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	RED GREAT STUFF	931-000 265	4.49
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	GOO GONE AND SOAP	931-000 265	7.17
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	ICE MELT	935-000 756	39.58
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	BATTERIES	935-000 756	31.98
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	RENTAL DEPOSIT AND CHIPPER RENTAL	935-000 756	371.75
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE	HARDWARE	DEPOSIT RETURN CHIPPER	935-000 756	(149.00)
				CHECK GENF 6650(A) TOTAL FOR FUND 101:			579.82
02/12/2021	GENF	6651(A)	KONICA MINOLTA BUSINESS SOLUTIONS	SERVICE CONTRACTS- C558 JAN. 2021	939-000 295		202.40
02/12/2021	GENF	6651(A)	KONICA MINOLTA BUSINESS SOLUTIONS	SERVICE CONTRACTS- JAN. 2021	939-000 295		83.35
02/12/2021	GENF	6651(A)	KONICA MINOLTA BUSINESS SOLUTIONS	SERVICE CONTRACTS- JAN. 2021	939-000 295		48.15
				CHECK GENF 6651(A) TOTAL FOR FUND 101:			333.90
02/12/2021	GENF	6653(A)	SABO PUBLIC RELATIONS	SPECIAL PROJECTS	967-000 295		8,086.10
02/12/2021	GENF	6664(A)*#	WEX BANK	FUEL	864-000 265		1,108.65
02/12/2021	GENF	72524	STATE OF MICHIGAN	EDUCATION- MMAO S. HOLZHEI	724-000 257		250.00
02/18/2021	GENF	72528	BLOOM SLUGGETT, PC	LEGAL FEES	826-000 295		1,948.50
02/18/2021	GENF	72528	BLOOM SLUGGETT, PC	LEGAL FEES	826-000 295		4,185.00
				CHECK GENF 72528 TOTAL FOR FUND 101:			6,133.50
02/18/2021	GENF	72530	COMCAST	COMPLEX PHONES	924-000 265		2,138.17
02/18/2021	GENF	72534*#	GRAND RAPIDS CITY TREASURER	5920 TAHOE DR SE- COMMERCIAL IRRIGATION	927-000 265		11.31
02/18/2021	GENF	72534	GRAND RAPIDS CITY TREASURER	COMPLEX WATER-SEWER-5920 TAHOE	927-000 265		626.18
02/18/2021	GENF	72534	GRAND RAPIDS CITY TREASURER	COMPLEX WATER-SEWER- 2865 THORNHILL	927-000 265		809.77
				CHECK GENF 72534 TOTAL FOR FUND 101:			1,447.26
02/18/2021	GENF	72537	KENT COUNTY ROAD COMMISSION	TRAFFIC SIGNALS	927-100 448		6.56
02/18/2021	GENF	72539	UNCLAIMED PROPERTY	DUE TO STATE- UNCLAIMED PROPERTY	228-000 000		271.95
02/18/2021	GENF	72546*	PROGRESSIVE AE	CAPITAL OUTLAY - BLDGIMP	975-000 901		50,628.36
02/18/2021	GENF	72547	RIVERHOUSE	TERVIS CUPS	787-000 295		1,861.65
02/18/2021	GENF	72547	RIVERHOUSE	FLEECE	787-000 295		1,864.56
				CHECK GENF 72547 TOTAL FOR FUND 101:			3,726.21
02/18/2021	GENF	72560*#	VERIZON WIRELESS	TRUSTEE IPAD/DATA	924-100 101		63.79
02/18/2021	GENF	72560	VERIZON WIRELESS	MANAGERS IPAD/DATA	925-000 171		63.80
02/18/2021	GENF	72560	VERIZON WIRELESS	CLERK IPAD/DATA	925-000 215		42.53
02/18/2021	GENF	72560	VERIZON WIRELESS	TREASURER'S IPAD/DATA	924-100 253		21.26
02/18/2021	GENF	72560	VERIZON WIRELESS	ASSESSING IPAD/DATA	924-100 257		42.52
02/18/2021	GENF	72560	VERIZON WIRELESS	BLDG AND GROUNDS IPAD/DATA	924-100 265		63.79
02/18/2021	GENF	72560	VERIZON WIRELESS	ADMIN IPAD/ DATA	924-100 295		63.80
				CHECK GENF 72560 TOTAL FOR FUND 101:			361.49
02/19/2021	GENF	51(E)*	WEST MICHIGAN HEALTH INSURANCE POOL	HEALTH INSURANCE BENEFITS	719-000 850		21,574.30
02/19/2021	GENF	6665(A)	CONSUMERS ENERGY	1030 4008 3240 2894 THORNAPPLE RIVER	921-000 265		51.90

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/19/2021	GENF	6672(A)	THE LIGHT BULB COMPANY	COMPLEX MAINTENANCE	931-000	265	57.43
02/25/2021	GENF	72562*##	ARROWASTE	PARK MAINTENANCE-TRASH/ RECYCLE	935-000	756	238.68
02/25/2021	GENF	72563	AT&T MOBILITY	DATA 4G LAPTOPS	924-000	265	185.12
02/25/2021	GENF	72564*##	BS&A SOFTWARE	ASSESSING	939-000	257	2,110.00
02/25/2021	GENF	72564	BS&A SOFTWARE	FIXED ASSETS	939-000	295	1,200.00
				CHECK GENF 72564 TOTAL FOR FUND 101:			<u>3,310.00</u>
02/25/2021	GENF	72565*##	B&V MECHANICAL INC.	3 UNITS REPAIRED	931-000	265	7,382.00
02/25/2021	GENF	72566	CARLETON EQUIPMENT	VEHICLE MAINT	863-000	265	797.99
02/25/2021	GENF	72567	CASCADE PRINTING & GRAPHICS	5,000 YARD WASTE TAGS	787-000	447	609.13
02/25/2021	GENF	72568*##	COMCAST	COMPLEX PHONES- B&G	924-000	265	175.08
02/25/2021	GENF	72568	COMCAST	PARK PHONES	924-000	756	23.87
				CHECK GENF 72568 TOTAL FOR FUND 101:			<u>198.95</u>
02/25/2021	GENF	72570	DEBORAH KAY RING	ASSESSING CONTRACTUAL SERVICES FEB 2021	801-000	257	2,000.00
02/25/2021	GENF	72572*##	FIRST BANKCARD	TOWNSHIP DUES	723-000	101	230.00
02/25/2021	GENF	72572	FIRST BANKCARD	CC SWAYZE - MML	724-000	171	100.00
02/25/2021	GENF	72572	FIRST BANKCARD	CC GALLAGHER - 2021 MEMBERSHIP	723-000	215	75.00
02/25/2021	GENF	72572	FIRST BANKCARD	CC GENTER - COVID IMPACT VALUATIONS	724-000	257	27.50
02/25/2021	GENF	72572	FIRST BANKCARD	CC MACDONALD - TRUCK TIRES	863-000	265	925.00
02/25/2021	GENF	72572	FIRST BANKCARD	COMPLEX PHONES	924-000	265	0.99
02/25/2021	GENF	72572	FIRST BANKCARD	CC MACDONALD - APPLE.COM/BILL	924-000	265	0.99
02/25/2021	GENF	72572	FIRST BANKCARD	CC MACDONALD - MAXLINE PARTS SUPPLIES	931-000	265	384.91
02/25/2021	GENF	72572	FIRST BANKCARD	CC PETERSON - FACEBOOK AD	787-000	295	87.71
02/25/2021	GENF	72572	FIRST BANKCARD	CC SWAYZE - VIRTUAL MEETING AD	787-000	295	29.14
02/25/2021	GENF	72572	FIRST BANKCARD	CC SWAYZE - STANDARD PRO MONTHLY	787-000	295	38.67
				CHECK GENF 72572 TOTAL FOR FUND 101:			<u>1,899.91</u>
02/25/2021	GENF	72573*##	FIRST BANKCARD	CC ADMIN - DATER REPLACEMENT PAD	727-000	257	25.50
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - UPS BATTERY BACKUP	981-000	257	74.32
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - INVENTORY STICKERS	727-000	295	111.19
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - STICKY NOTES	727-000	295	15.36
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - COPY PAPER	727-000	295	216.90
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - AMAZON PRIME FEB 2021	727-000	295	(2.21)
02/25/2021	GENF	72573	FIRST BANKCARD	COVID 19 EXPENSES - ZOOM	755-000	295	249.09
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - TEA SUPPLIES	787-000	295	21.99
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - COFFEE SUPPLIES	787-000	295	21.49
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - COFFEE SUPPLIES	787-000	295	11.99
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - COFFEE SUPPLIES	787-000	295	13.55
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - LOTION WITH ALOE	787-000	295	12.52
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - FOIA BCC LIST FINAL	787-000	295	46.50
				CHECK GENF 72573 TOTAL FOR FUND 101:			<u>818.19</u>
02/25/2021	GENF	72575	KENT COUNTY - HEALTH DEPT	PARK MAINTENANCE- WATER COLLECTION	935-000	756	32.00
02/25/2021	GENF	72576	MELSE FIRE PROTECTION LLC	PORTABLE EXTINGUISHER AND LIGHT INSPECT.	931-000	265	2,406.00
02/25/2021	GENF	72577	MLIVE MEDIA GROUP	PRINTING/PUBLISHING	900-000	295	4,118.70

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/25/2021	GENF	72578*#	MUNIWEB	WEBSITE REDESIGN - FINAL PAYMENT	967-000	171	2,240.00
02/25/2021	GENF	72578	MUNIWEB	WEBSITE HOSTING	815-000	295	239.00
				CHECK GENF 72578 TOTAL FOR FUND 101:			2,479.00
02/25/2021	GENF	72579*#	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) BLDG	231-220	000	3.90
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) FIRE	231-220	000	19.50
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) GF	231-220	000	11.70
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) BLDG	231-221	000	67.50
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) FIR	231-221	000	273.30
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) GF	231-221	000	136.40
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (D) FIRE	231-221	000	42.00
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (D) GF	231-221	000	17.00
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B)	720-000	850	44.19
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE STD BENEFITS (G)	720-000	850	248.70
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F)	720-000	850	721.51
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A)	720-000	850	290.75
				CHECK GENF 72579 TOTAL FOR FUND 101:			1,876.45
02/25/2021	GENF	72580	SLATER, SUE	CLERK CELL PHONE	925-000	215	50.00
02/25/2021	GENF	72584	ULINE	PARK OPERATING SUPPLIES	756-000	756	988.00
02/25/2021	GENF	72585	VARNUM	LEGAL FEES	826-000	295	152.00
02/25/2021	GENF	72585	VARNUM	LEGAL FEES	826-000	295	960.00
				CHECK GENF 72585 TOTAL FOR FUND 101:			1,112.00
02/25/2021	GENF	72589	WEST MICH DOCUMENT SHREDDING LLC	DOCUMENT SHREDDING	931-000	265	100.00
02/25/2021	GENF	72590*#	WINDSTREAM	ADMIN CELL PHONES/DATA	924-100	295	129.20
02/25/2021	GENF	72590	WINDSTREAM	PARK PHONES	924-000	756	86.13
				CHECK GENF 72590 TOTAL FOR FUND 101:			215.33
02/26/2021	GENF	6678(A)	BEHRENS LIMITED LLC	SALT BAGS	935-000	756	84.00
02/26/2021	GENF	6680(A)*#	CONSUMERS ENERGY	100012052419 6569 THORNBROOK ST SE	921-000	265	29.13
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	103023462197 2867 THORNHILLS AVE SE	921-000	265	31.99
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100000285161 2865 THORNHILLS AVE SE	921-000	265	1,642.25
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	103036591347 7200 30TH ST	921-000	276	92.64
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100012548051 5601 WHITNEYVILLE AVE SE	921-000	276	29.13
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100011965082 2870 JACK SMITH AVE SE	926-000	448	114.23
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100012592265 2900 THORNAPPLE RIVER DR	921-000	756	444.83
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100014570889 3820 THORNAPPLE RIVER D	921-000	756	142.23
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100014570673 3804 THORNAPPLE RIVE	921-000	756	99.35
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100012592398 2839 THORNAPPLE RIVER DR	921-000	803	73.18
				CHECK GENF 6680(A) TOTAL FOR FUND 101:			2,698.96
02/26/2021	GENF	6681(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS	721-000	850	1,836.71
02/26/2021	GENF	6682(A)*#	FAST SIGNS	PARK BOUNDARY SIGNS	935-000	756	1,000.50
02/26/2021	GENF	6684(A)*#	FISHBECK THOMPSON CARR & HUBER	PROJ 200013 ROUND HILL CONSTRUCTION	821-000	295	1,100.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 200013 ROUND HILL CONSTRUCTION	821-000	295	1,899.50
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 200013 ROUND HILL CONSTRUCTION	821-000	295	910.50
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 200013 ROUND HILL CONSTRUCTION	821-000	295	2,342.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 200013 ROUND HILL CONSTRUCTION	821-000	295	714.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 170168 SITE PLAN REVIEWS	821-000	295	1,859.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 200013 ROUNDHILL CONST OVERSIGHT	821-000	295	200.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	DRAIN MAINTENANCE	816-000	445	1,617.50
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 201229 BROWNFIELD CONSULTING	967-000	721	989.08

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 201229 BROWNFIELD CONSULTING CHECK GENF 6684(A) TOTAL FOR FUND 101:	967-000	721	475.19 <u>12,106.77</u>
02/26/2021	GENF	6687(A)	PITNEY BOWES GLOBAL	POSTAGE MACHINE LEASE	941-000	295	688.17
02/26/2021	GENF	6688(A)	THE LIGHT BULB COMPANY	COMPLEX MAINTENANCE	931-000	265	<u>170.90</u>
Total for fund 101 GENERAL FUND							<u>236,471.02</u>
FUND 206 - FIRE FUND							
02/04/2021	GENF	72454	COMCAST	COMMUNICATIONS	850-000	336	104.90
02/04/2021	GENF	72456*#	DTE ENERGY	UTILITIES	928-000	336	582.44
02/04/2021	GENF	72457	GERBER COLLISION	FIRE TRUCK REPAIR- UNIT 6	863-000	336	3,043.02
02/04/2021	GENF	72458	GORDON FOOD SERVICE STORE	COFFEE SUPPLIES	787-000	336	20.12
02/04/2021	GENF	72461	HOLZHEI, CYNTHIA	REIMBURSE EXCEL CLASS LUNCH - C.HOLZHEI	787-000	336	156.92
02/04/2021	GENF	72465	J&B MEDICAL SUPPLY	LAERDAL COMPACT SUCTION UNIT	958-000	336	700.41
02/04/2021	GENF	72465	J&B MEDICAL SUPPLY	FIRE SUPPLEMENTAL MEDICAL SUPPLIES CHECK GENF 72465 TOTAL FOR FUND 206:	958-000	336	<u>175.00</u> 875.41
02/04/2021	GENF	72475*#	SUPERIOR PEST CONTROL INC	FIRE STATION MAINT/BUTTRICK	936-002	336	55.00
02/04/2021	GENF	72483	TECH MASTER INC	SPARTAN 2012 SERVICE VIN 45CT2D96CC07574	863-000	336	637.50
02/04/2021	GENF	72487*#	VERIZON WIRELESS	FIRE PHONES	924-000	336	362.69
02/05/2021	GENF	6627(A)	FRONT LINE SERVICES INC.	PUSH TO CLOSE LATCH	863-000	336	54.95
02/05/2021	GENF	6631(A)	NYE UNIFORM COMPANY	PANT - N.RODRIGUEZ	768-000	336	99.98
02/05/2021	GENF	6631(A)	NYE UNIFORM COMPANY	PANT - C.DODGE CHECK GENF 6631(A) TOTAL FOR FUND 206:	768-000	336	<u>99.98</u> 199.96
02/05/2021	GENF	6632(A)	OVERHEAD DOOR CO OF GR, INC	FIRE STATION MAINT/BUTTRICK	936-002	336	206.62
02/05/2021	GENF	6643(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	29.95
02/11/2021	GENF	72490*#	ARROWASTE	FIRE STATION MAINT/BUTTRICK	936-002	336	71.03
02/11/2021	GENF	72503	KORHORN, LANCE	REIMBURSE FIRE UNIFORM - L.KORHORN	768-000	336	95.19
02/11/2021	GENF	72505	RIVERHOUSE	CFD CHALLENGE COIN	787-000	336	723.27
02/11/2021	GENF	72506	SMART BUSINESS SOURCE	FIRE OFFICE SUPPLIES	727-000	336	35.32
02/11/2021	GENF	72506	SMART BUSINESS SOURCE	FIRE OFFICE SUPPLIES CHECK GENF 72506 TOTAL FOR FUND 206:	727-000	336	<u>602.46</u> 637.78
02/11/2021	GENF	72507	STEVENSON, TODD ROY	REIMBURSE FIRE UNIFORM - T.STEVENSON	768-000	336	131.42

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/11/2021	GENF	72508	STRYKER SALES CORPORATION	MAINT AGREEMENT DS025875	938-000	336	591.48
02/11/2021	GENF	72510	TARGETS SOLUTIONS LEARNING LLC	ANNUAL SUBSCRIPTION	802-000	336	2,047.64
02/11/2021	GENF	72518	TECH MASTER INC	T-2 REPAIRS	863-000	336	2,209.89
02/12/2021	GENF	6650(A)*#	KINGSLAND'S ACE HARDWARE	LP TANK EXCHANGE	745-000	336	34.18
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	MESQUITE PELLETS	787-000	336	17.09
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	CRESCENT SASH LOCK	863-000	336	3.59
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	LEAK SENTRY FILL VALVE	936-000	336	13.99
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	WIRE CONNECTOR AND TOGGLE SWITCH	936-000	336	10.05
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	RESERVE PELLETS	936-000	336	17.09
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	KORKY UNIV FLAPPER	936-002	336	12.59
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	CREDIT RETURN AND COFFEE SUPPLIES	936-002	336	(2.35)
				CHECK GENF 6650(A) TOTAL FOR FUND 206:			106.23
02/12/2021	GENF	6652(A)	NYE UNIFORM COMPANY	FIRE UNIFORMS - J.MAKUCH	768-000	336	240.50
02/12/2021	GENF	6662(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	29.95
02/12/2021	GENF	6663(A)	WEST INVESTIGATIONS INC	FIRE FIGHTER HIRING	803-000	336	65.00
02/12/2021	GENF	6664(A)*#	WEX BANK	FIRE FUELS	745-000	336	956.29
02/18/2021	GENF	72525	ANDREW ALBRIGHT	COFFEE FILTERS - A.ALBRIGHT	787-000	336	9.53
02/18/2021	GENF	72532	EASTERN MICHIGAN UNIVERSITY	KNOWLES TUITION	725-000	336	3,250.00
02/18/2021	GENF	72533	GREAT AMERICA FINANCIAL SERVICE	FIRE COPIER/LEASE/SERVICE	939-000	336	336.00
02/18/2021	GENF	72560*#	VERIZON WIRELESS	FIRE IPAD/DATA	924-000	336	42.52
02/19/2021	GENF	51(E)*	WEST MICHIGAN HEALTH INSURANCE POOL	HEALTH INSURANCE BENEFITS	719-000	850	22,374.39
02/19/2021	GENF	6666(A)	OVERHEAD DOOR CO OF GR, INC	FIRE STATION MAINT- STATION 1 DOOR #5	936-000	336	879.26
02/19/2021	GENF	6677(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	29.95
02/25/2021	GENF	72562*#	ARROWASTE	FIRE STATION MAINT	936-000	336	71.03
02/25/2021	GENF	72562	ARROWASTE	FIRE STATION MAINT/BUTTRICK- TRASH/ RECY	936-002	336	260.91
				CHECK GENF 72562 TOTAL FOR FUND 206:			331.94
02/25/2021	GENF	72565*#	B&V MECHANICAL INC.	REPAIR VENTING ON A UNIT HEATER	936-000	336	82.00
02/25/2021	GENF	72565	B&V MECHANICAL INC.	FURNACE SERVICE STATION 2	936-002	336	310.50
02/25/2021	GENF	72565	B&V MECHANICAL INC.	3 IGNITERS STATION 2	936-002	336	402.00
				CHECK GENF 72565 TOTAL FOR FUND 206:			794.50
02/25/2021	GENF	72568*#	COMCAST	COMMUNICATIONS- PHONES	850-000	336	119.38
02/25/2021	GENF	72572*#	FIRST BANKCARD	CC MAGERS - WINTER CONF - FORZLEY	723-000	336	150.00
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - MFIS CONF - POOLMAN	723-000	336	180.00

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/25/2021	GENF	72572	FIRST BANKCARD	FIRE OFFICE SUPPLIES	727-000	336	24.36
02/25/2021	GENF	72572	FIRST BANKCARD	FIRE MAINT SUPPLIES	738-000	336	16.41
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - EXCEL TRAINING	787-000	336	23.94
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - ANNUAL MEMBERSHIP RENEWAL	802-000	336	1,495.00
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - STANDARD PRO MONTHLY	850-000	336	15.89
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - RECURRING CAR WASH JAN 2021	863-000	336	19.99
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - RECURRING CAR WASH JAN 2021	863-000	336	19.99
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - RECURRING CAR WASH FEB 2021	863-000	336	19.99
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - RECURRING CAR WASH FEB 2021	863-000	336	19.99
02/25/2021	GENF	72572	FIRST BANKCARD	FIRE PUBLIC RELATIONS	887-000	336	(8.48)
02/25/2021	GENF	72572	FIRST BANKCARD	FIRE PUBLIC RELATIONS	887-000	336	101.10
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - SMOKER COVER	936-000	336	37.09
02/25/2021	GENF	72572	FIRST BANKCARD	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	34.96
02/25/2021	GENF	72572	FIRST BANKCARD	CC MAGERS - PASSPORT COLLECTOR	958-000	336	144.00
				CHECK GENF 72572 TOTAL FOR FUND 206:			<u>2,294.23</u>
02/25/2021	GENF	72573*#	FIRST BANKCARD	CC ADMIN - MARRIOTT BOOKING - J.KNOWLES	726-000	336	135.45
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - HIGH VIS SAFETY VEST	768-000	336	30.58
02/25/2021	GENF	72573	FIRST BANKCARD	CC ADMIN - COFFEE SUPPLIES	787-000	336	73.98
				CHECK GENF 72573 TOTAL FOR FUND 206:			<u>240.01</u>
02/25/2021	GENF	72574	J&B MEDICAL SUPPLY	MEDICAL SUPPLIES	752-100	336	287.06
02/25/2021	GENF	72579*#	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B)	720-000	850	52.26
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE STD BENEFITS (G)	720-000	850	347.37
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F)	720-000	850	853.29
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A)	720-000	850	343.75
				CHECK GENF 72579 TOTAL FOR FUND 206:			<u>1,596.67</u>
02/25/2021	GENF	72581	SMART BUSINESS SOURCE	FIRE OFFICE SUPPLIES	727-000	336	41.39
02/25/2021	GENF	72582	SUPERIOR TRADEMARK INC.	COMMAND/ACCOUNTABILITY SYSTEM	981-000	336	2,184.64
02/25/2021	GENF	72583	TECH MASTER INC	MOTOR SERVICE VIN 1HTWYAHT06J237455	863-000	336	268.97
02/25/2021	GENF	72583	TECH MASTER INC	OIL SERVICE 2015 GENESIS RESCUE	863-000	336	37.40
				CHECK GENF 72583 TOTAL FOR FUND 206:			<u>306.37</u>
02/25/2021	GENF	72587	VERIZON WIRELESS	COMMUNICATIONS	850-000	336	320.08
02/25/2021	GENF	72588	VILLAGE BIKE SHOP	WALKING BELT FOR TREADMILL	932-000	336	748.00
02/25/2021	GENF	72590*#	WINDSTREAM	FIRE DEPT COMMUNICATIONS	850-000	336	258.39
02/26/2021	GENF	6679(A)	CASCADE AUTOMOTIVE SERVICE	RADIOATOR AND OIL CHANGE SERVICE	863-000	336	717.70
02/26/2021	GENF	6680(A)*#	CONSUMERS ENERGY	100012762959 2990 BUTTRICK AVE SE	928-000	336	729.49
02/26/2021	GENF	6681(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS	721-000	850	2,286.04
02/26/2021	GENF	6683(A)	FRONT LINE SERVICES INC.	RED SUPER LED	863-000	336	314.95
02/26/2021	GENF	6685(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS	745-000	336	8.45
02/26/2021	GENF	6685(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS	745-000	336	37.64
02/26/2021	GENF	6685(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS	745-000	336	72.38
02/26/2021	GENF	6685(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS	745-000	336	161.84
02/26/2021	GENF	6685(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS DISCOUNT	745-000	336	(5.15)
				CHECK GENF 6685(A) TOTAL FOR FUND 206:			<u>275.16</u>

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/26/2021	GENF	6689(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	29.95
Total for fund 206 FIRE FUND							55,032.75
FUND 207 - POLICE FUND							
02/25/2021	GENF	72569	COUNTY OF KENT	SHERIFF PROTECTION- JAN. 2021	801-000	301	42,006.48
Total for fund 207 POLICE FUND							42,006.48
FUND 209- OPEN SPACE FUND							
02/04/2021	GENF	72456*#	DTE ENERGY	HEATING/UTILITY	923-000	751	212.42
02/04/2021	GENF	72456	DTE ENERGY	HEATING/UTILITY	923-000	751	106.82
CHECK GENF 72456 TOTAL FOR FUND 209:							319.24
02/12/2021	GENF	6649(A)	KERKSTRA PORTABLE RESTROOM SERVICE	RESTROOM RENTAL - FEB 2021	935-000	751	125.00
02/26/2021	GENF	6680(A)*#	CONSUMERS ENERGY	100041772151 6803 BURTON ST SE@BARN	921-000	751	250.07
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100061096465 6803 BURTON ST SE	921-000	751	29.13
CHECK GENF 6680(A) TOTAL FOR FUND 209:							279.20
Total for fund 209 CCT OPEN SPACE							723.44
FUND 216- PATHWAYS FUND							
02/04/2021	GENF	72462*#	THE HOME DEPOT CREDIT SERVICES	ACCT 6035 3220 0443 8333 NIFTY NABBER	931-000	758	99.85
02/04/2021	GENF	72462	THE HOME DEPOT CREDIT SERVICES	FENCING CREDIT ORIG INV 5972083	931-000	758	(2.85)
CHECK GENF 72462 TOTAL FOR FUND 216:							97.00
02/12/2021	GENF	6650(A)*#	KINGSLAND'S ACE HARDWARE	LAG SCREWS AND FLAT WASHERS	931-000	758	29.86
02/26/2021	GENF	6682(A)*#	FAST SIGNS	CAUTION & NO MOTORIZED VEHICLES SIGNS	728-000	758	7,096.84
02/26/2021	GENF	6684(A)*#	FISHBECK THOMPSON CARR & HUBER	PROJ 200014 2020 PAHTWAY REPAIRS	821-100	758	1,105.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-100	758	185.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 200014 2020 PATHWAY REPAIRS	821-100	758	972.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 181734 PATHWAYS P2 MILLAGE	974-000	901	41,301.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 181734 PATHWAYS P2 MILLAGE	974-000	901	14,118.50
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 181734 PATHWAYS P2 MILLAGE	974-000	901	2,082.30
CHECK GENF 6684(A) TOTAL FOR FUND 216:							59,763.80
02/26/2021	GENF	6686(A)	KAMMINGA AND ROODVOETS INC	PROJ 181734 PATHWAYS 1&5 PHASE 2	974-000	901	21,113.67
02/26/2021	GENF	6686(A)	KAMMINGA AND ROODVOETS INC	PROJ 181734 PATHWAYS 1&5 PHASE 2	974-000	901	5,888.67
CHECK GENF 6686(A) TOTAL FOR FUND 216:							27,002.34
Total for fund 216 PATHWAYS FUND							93,989.84
FUND 246 - IRF FUND							
02/26/2021	GENF	6684(A)*#	FISHBECK THOMPSON CARR & HUBER	PROJ 190006 2019 WATER SYSTEM PLANNING	821-000	295	3,266.50
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	ADMIN ENGINEERING COSTS	821-000	295	277.50
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 210059 2021 C2R2 GRANT ASSIST	821-000	295	4,383.00
CHECK GENF 6684(A) TOTAL FOR FUND 246:							7,927.00
Total for fund 246 IRF							7,927.00
FUND 248 - DDA FUND							
02/04/2021	GENF	72487*#	VERIZON WIRELESS	CELL PHONES- DDA	924-100	170	48.76
02/11/2021	GENF	72501*#	INTERURBAN TRANSIT PARTNERSHIP	BUS SERVICE 28TH ST	861-100	170	15,767.52

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/12/2021	GENF	6650(A)*#	KINGSLAND'S ACE HARDWARE	LATCHING TOTE	931-000	170	13.99
02/18/2021	GENF	72534*#	GRAND RAPIDS CITY TREASURER	DDA WATER-SEWER	927-000	170	10.06
02/18/2021	GENF	72560*#	VERIZON WIRELESS	DDA CELL IPAD/DATA	924-100	170	21.26
02/25/2021	GENF	72578*#	MUNIWEB	WEBSITE HOSTING (MADE IN CANADA)	787-000	170	135.00
02/25/2021	GENF	72586	VERN BRINK ELECTRIC	MAINT & REPAIR/IMPROVEMENTS	931-000	170	209.50
02/26/2021	GENF	6680(A)*#	CONSUMERS ENERGY	100011901814 6811 CASCADE RD SE	921-000	170	169.73
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100011901541 6800 CASCADE RD SE	921-000	170	370.16
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100012017305 6610 28TH ST SE	921-000	170	194.46
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100012017115 6753 OLD 28TH ST SE	921-000	170	258.17
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100054393572 5434 28TH ST SE	921-000	170	102.93
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100054379084 5196 28TH ST SE	921-000	170	288.20
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100088376080 3001 ORCHARD VISTA DR	921-000	170	68.41
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	10004105 9393 6282 28TH ST SE	921-000	170	152.02
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100066874924 2990 LUCERNE DR SE	921-000	170	229.94
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100063460503 5770 FOREMOST DR SE	921-000	170	150.55
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100041081355 5613 28TH ST SE	921-000	170	96.71
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100041059278 5905 28TH ST SE	921-000	170	156.00
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100041058650 6116 28TH ST SE	921-000	170	115.61
02/26/2021	GENF	6680(A)	CONSUMERS ENERGY	100012213862 6658 28TH ST	921-000	170	29.55
				CHECK GENF 6680(A) TOTAL FOR FUND 248:			<u>2,382.44</u>
02/26/2021	GENF	6684(A)*#	FISHBECK THOMPSON CARR & HUBER	PROJ 200011 DDA GATHERING SPACE RENDER	821-000	170	3,308.00
02/26/2021	GENF	6684(A)	FISHBECK THOMPSON CARR & HUBER	PROJ 181734 PATHWAYS P2 MILLAGE	974-000	901	2,617.85
				CHECK GENF 6684(A) TOTAL FOR FUND 248:			<u>5,925.85</u>
Total for fund 248 DDA							24,514.38
FUND 249 - BUILDING FUND							
02/04/2021	GENF	72444	ADA TOWNSHIP	PERMITS DUE TO ADA TWP	964-400	964	5,491.80
02/04/2021	GENF	72446	BENOIT, BILL	TAPE MEASURER - B.BENOIT	727-000	371	19.88
02/04/2021	GENF	72446	BENOIT, BILL	REIMBURSE 609 MILES - B.BENOIT	860-000	371	341.04
				CHECK GENF 72446 TOTAL FOR FUND 249:			<u>360.92</u>
02/04/2021	GENF	72447	BIEGALLE, JEFFREY	REIMBURSE 488 MILES - J. BIEGALLE	860-000	371	273.28
02/04/2021	GENF	72450	CASCADE CHARTER TOWNSHIP	PERMITS DUE CASCADE TWP	964-800	964	4,227.00
02/04/2021	GENF	72451	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 6014 CASCADE RD	237-000	000	1,100.00
02/04/2021	GENF	72455	KEN DAVIS	REIMBURSE 492 MILES - K. DAVIS	860-000	371	275.52
02/04/2021	GENF	72459	GRAND RAPIDS CHARTER TOWNSHIP	PERMITS DUE TO GR TWP	964-300	964	4,090.85
02/04/2021	GENF	72460	DANIEL L HEYER	REIMBURSE 353 MILES - D. HEYER	860-000	371	197.68
02/04/2021	GENF	72463	HUYSER, DANIEL A.	REIMBURSE 491 MILES- D. HUYSER	860-000	371	274.96
02/04/2021	GENF	72464*#	INTEGRITY BUSINESS SOLUTIONS, LLC	SUPPLIES-SHOE COVERS	727-000	371	47.04

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/04/2021	GENF	72466	VINCENT MILITO	REIMBURSE 471 MILES - V. MILITO	860-000	371	263.76
02/04/2021	GENF	72471	DOUG POOLMAN	REIMBURSE 100 MILES - D.POOLMAN	860-000	371	56.00
02/04/2021	GENF	72473	ROWLADER, DENNIS	REIMBURSE 318 MILES - D.ROWLADER	860-000	371	178.08
02/04/2021	GENF	72474	RON SABIN	REIMBURSE 488 MILES - R. SABIN	860-000	371	273.28
02/04/2021	GENF	72487*#	VERIZON WIRELESS	CELL PHONES	924-100	371	525.05
02/04/2021	GENF	72489	BRIAN WILSON	REIMBURSE 182 MILES - B. WILSON	860-000	371	101.92
02/05/2021	GENF	6626(A)	EAST GRAND RAPIDS/CITY OF	PERMITS DUE TO EAST GR	964-500	964	3,110.00
02/05/2021	GENF	6629(A)	KONICA MINOLTA BUSINESS SOLUTIONS	SERVICE CONTRACTS-C454 JAN. 2021	939-000	371	46.92
02/05/2021	GENF	6630(A)	LOWELL TOWNSHIP	PERMITS DUE TO LOWELL TWP	964-100	964	2,686.80
02/05/2021	GENF	6633(A)	PLAINFIELD CHARTER TOWNSHIP	PERMITS DUE PLAINFIELD	964-600	964	4,809.80
02/05/2021	GENF	6644(A)	VERGENNES TOWNSHIP	PERMITS DUE TO VERGENNES TWP	964-200	964	755.80
02/11/2021	GENF	72494	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 6530 ROUNDHILL CT	237-000	000	2,200.00
02/11/2021	GENF	72494	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 2583 KRAFT	237-000	000	1,100.00
				CHECK GENF 72494 TOTAL FOR FUND 249:			<u>3,300.00</u>
02/12/2021	GENF	6647(A)	FIRST CHOICE COFFEE SERVICE	COFFEE CONTRACT	939-000	371	25.05
02/12/2021	GENF	6650(A)*#	KINGSLAND'S ACE HARDWARE	PICTURE HANGERS	727-000	371	28.18
02/18/2021	GENF	72526	BENOIT, BILL	EDUCATION - B.BENOIT	724-000	371	175.10
02/18/2021	GENF	72526	BENOIT, BILL	REIMBURSE 579 MILES - B.BENOIT	860-000	371	324.24
				CHECK GENF 72526 TOTAL FOR FUND 249:			<u>499.34</u>
02/18/2021	GENF	72527	BIEGALLE, JEFFREY	REIMBURSE 501 MILES - J. BIEGALLE	860-000	371	280.56
02/18/2021	GENF	72531	KEN DAVIS	REIMBURSE 412 MILES - K. DAVIS	860-000	371	230.72
02/18/2021	GENF	72535	DANIEL L HEYER	REIMBURSE 416 MILES - D. HEYER	860-000	371	232.96
02/18/2021	GENF	72536	HUYSER, DANIEL A.	REIMBURSE 529 MILES- D. HUYSER	860-000	371	296.24
02/18/2021	GENF	72540	VINCENT MILITO	REIMBURSE 462 MILES - V. MILITO	860-000	371	258.72
02/18/2021	GENF	72546*	PROGRESSIVE AE	CAPITAL OUTLAY - BLDGIMP	975-000	901	23,066.48
02/18/2021	GENF	72548	ROWLADER, DENNIS	REIMBURSE 295 MILES - D.ROWLADER	860-000	371	165.20

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

<u>Check Date</u>	<u>Bank</u>	<u>Check #</u>	<u>Payee</u>	<u>Description</u>	<u>Account</u>	<u>Dept</u>	<u>Amount</u>
02/18/2021	GENF	72549	RON SABIN	EDUCATION - R.SABIN	724-000	371	275.40
02/18/2021	GENF	72549	RON SABIN	REIMBURSE 494 MILES - R. SABIN	860-000	371	276.64
				CHECK GENF 72549 TOTAL FOR FUND 249:			552.04
02/18/2021	GENF	72560*#	VERIZON WIRELESS	BUILDING IPADS/DATA	924-100	371	191.37
02/18/2021	GENF	72561	BRIAN WILSON	DEPARTMENT UNIFORMS - B.WILSON	768-000	371	156.15
02/18/2021	GENF	72561	BRIAN WILSON	REIMBURSE 224 MILES - B. WILSON	860-000	371	125.44
				CHECK GENF 72561 TOTAL FOR FUND 249:			281.59
02/19/2021	GENF	51(E)*	WEST MICHIGAN HEALTH INSURANCE POOL	HEALTH INSURANCE BENEFITS	719-000	850	12,389.21
02/19/2021	GENF	6667(A)	RICOH USA INC	PRINTER	939-000	371	64.58
02/25/2021	GENF	72564*#	BS&A SOFTWARE	ONLINE SERVICE FEE	939-000	371	2,658.00
02/25/2021	GENF	72564	BS&A SOFTWARE	USAGE FEE - PERMITS	939-000	371	2,312.00
				CHECK GENF 72564 TOTAL FOR FUND 249:			4,970.00
02/25/2021	GENF	72568*#	COMCAST	BUILDING PHONES	924-000	371	55.71
02/25/2021	GENF	72572*#	FIRST BANKCARD	CC WILSON - APPLE DEVELOPER PROGRAM	723-000	371	104.94
02/25/2021	GENF	72572	FIRST BANKCARD	CC WILSON - INSPECTION REQUIREMENTS	724-000	371	50.00
02/25/2021	GENF	72572	FIRST BANKCARD	CC WILSON - MEALS	862-500	371	209.80
02/25/2021	GENF	72572	FIRST BANKCARD	CC WILSON - J2 EFAX SERVICES	924-000	371	1.64
02/25/2021	GENF	72572	FIRST BANKCARD	CC WILSON - J2 EFAX SERVICES	924-000	371	16.95
02/25/2021	GENF	72572	FIRST BANKCARD	CC WILSON - FLASHLIGHTS	932-000	371	302.60
				CHECK GENF 72572 TOTAL FOR FUND 249:			685.93
02/25/2021	GENF	72579*#	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A)	720-000	850	173.31
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE STD BENEFITS (G)	720-000	850	178.84
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F)	720-000	850	440.25
02/25/2021	GENF	72579	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B)	720-000	850	26.34
				CHECK GENF 72579 TOTAL FOR FUND 249:			818.74
02/25/2021	GENF	72590*#	WINDSTREAM	BLDG PHONES	924-000	371	43.07
02/25/2021	GENF	72591	WEST MICHIGAN MECHANICAL	WMMIAM- 2021 J. BIEGALLE	723-000	371	50.00
02/25/2021	GENF	72591	WEST MICHIGAN MECHANICAL	WMMIAM 2021 MEMBERSHIP - V. MILITO	723-000	371	50.00
				CHECK GENF 72591 TOTAL FOR FUND 249:			100.00
02/25/2021	GENF	72592	WEST MI PLUMBING INSPECTORS	WMPIF - D. HEYER	723-000	371	25.00
02/25/2021	GENF	72592	WEST MI PLUMBING INSPECTORS	WMPIF MEMBERSHIP - J. BIEGALLE	723-000	371	25.00
02/25/2021	GENF	72592	WEST MI PLUMBING INSPECTORS	WMPIF 2021 MEMBERSHIP - V. MILITO	723-000	371	25.00
				CHECK GENF 72592 TOTAL FOR FUND 249:			75.00
02/26/2021	GENF	6681(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS	721-000	850	880.30
				Total for fund 249 BUILDING FUND			78,637.45
FUND 270 - LIBRARY FUND							
02/04/2021	GENF	72456*#	DTE ENERGY	LIBRARY HEATING DTE ENERGY	923-000	790	2,033.74
02/04/2021	GENF	72467*#	MINER SUPPLY COMPANY	LIBRARY MAINTENANCE	931-000	790	608.32
02/04/2021	GENF	72475*#	SUPERIOR PEST CONTROL INC	LIBRARY MAINTENANCE	931-000	790	68.00

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/11/2021	GENF	72490*#	ARROWASTE	LIBRARY MAINTENANCE	931-000	790	159.96
02/11/2021	GENF	72496*#	CINTAS	LIBRARY MAINTENANCE	931-000	790	429.30
02/11/2021	GENF	72509	SUPERIOR PEST CONTROL INC	LIBRARY MAINTENANCE	931-000	790	110.00
02/12/2021	GENF	6650(A)*#	KINGSLAND'S ACE HARDWARE	ORGANIZER AND STORAGE SYSTEM	931-000	790	38.68
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	LP TANK EXCHANGE	931-000	790	17.09
02/12/2021	GENF	6650(A)	KINGSLAND'S ACE HARDWARE	BOLTS AND LOCK WASHERS	931-000	790	4.48
				CHECK GENF 6650(A) TOTAL FOR FUND 270:			<u>60.25</u>
02/18/2021	GENF	72534*#	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER- FIRE PROTECTION	927-000	790	64.05
02/18/2021	GENF	72534	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER	927-000	790	746.84
02/18/2021	GENF	72534	GRAND RAPIDS CITY TREASURER	LIBRARY COMMERCIAL IRRIGATION	927-000	790	218.69
				CHECK GENF 72534 TOTAL FOR FUND 270:			<u>1,029.58</u>
02/18/2021	GENF	72538	KENDALL ELECTRIC INC	LIBRARY MAINTENANCE	931-000	790	39.00
02/25/2021	GENF	72562*#	ARROWASTE	LIBRARY MAINTENANCE- TRASH/ RECYCLE	931-000	790	159.96
02/25/2021	GENF	72565*#	B&V MECHANICAL INC.	LIBRARY MAINTENANCE	931-000	790	287.00
02/25/2021	GENF	72565	B&V MECHANICAL INC.	LIBRARY MAINTENANCE	931-000	790	607.31
02/25/2021	GENF	72565	B&V MECHANICAL INC.	LIBRARY MAINTENANCE	931-000	790	246.00
				CHECK GENF 72565 TOTAL FOR FUND 270:			<u>1,140.31</u>
02/25/2021	GENF	72568*#	COMCAST	LIBRARY PHONES	924-000	790	15.92
02/25/2021	GENF	72571	ELEVATOR SERVICE INC	DAMAGE FROM SPRAY CLEANER	931-000	790	2,450.00
02/25/2021	GENF	72590*#	WINDSTREAM	LIBRARY PHONES	924-000	790	86.13
02/26/2021	GENF	6680(A)*#	CONSUMERS ENERGY	100000284784 2870 JACK SMITH AVE SE	921-000	790	3,548.39
				Total for fund 270 LIBRARY FUND			<u>11,938.86</u>
FUND 701 - TRUST & AGENCY							
02/26/2021	GENF	6684(A)*#	FISHBECK THOMPSON CARR & HUBER	EDWARD ROSE/ GARDEN APARTMENTS	252-240	000	5,316.50
				Total for fund 701 TRUST AND AGENCY			<u>5,316.50</u>
FUND 703 - TAX FUND							
02/04/2021	GENF	72468	MADDOX LUCAS & JESSICA	DUE TO 41-19-04-211-006	275-000	000	323.33
02/04/2021	GENF	72469	DYKMAN STEPHEN TRUST	DUE TO 41-19-17-227-123	275-000	000	14.86
02/04/2021	GENF	72476	CASCADE CHARTER TOWNSHIP	CCT FIRE	214-115	000	110,022.83
02/04/2021	GENF	72476	CASCADE CHARTER TOWNSHIP	CCT FIRE PP	214-115	000	24,873.81
02/04/2021	GENF	72476	CASCADE CHARTER TOWNSHIP	CCT IFT FIRE	214-215	000	3,733.60
				CHECK GENF 72476 TOTAL FOR FUND 703:			<u>138,630.24</u>
02/04/2021	GENF	72477	CASCADE CHARTER TWP	CCT - OPERATING	214-110	000	81,280.54
02/04/2021	GENF	72477	CASCADE CHARTER TWP	CCT - OPERATING TAXES PP	214-110	000	18,375.82
02/04/2021	GENF	72477	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	0.35
02/04/2021	GENF	72477	CASCADE CHARTER TWP	CCT - STREET LIGHTS	214-140	000	2,693.03

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/04/2021	GENF	72477	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	16,600.97
02/04/2021	GENF	72477	CASCADE CHARTER TWP	CCT - IFT OPERATING TAXES	214-210	000	2,758.25
				CHECK GENF 72477 TOTAL FOR FUND 703:			<u>121,708.96</u>
02/04/2021	GENF	72478	LIBRARY FUND	CCT - LIBRARY	214-120	000	12,538.44
02/04/2021	GENF	72478	LIBRARY FUND	CCT - LIBRARY PP	214-120	000	2,834.77
02/04/2021	GENF	72478	LIBRARY FUND	CCT-IFT LIBRARY	214-220	000	425.52
				CHECK GENF 72478 TOTAL FOR FUND 703:			<u>15,798.73</u>
02/04/2021	GENF	72479	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE	214-116	000	19,238.75
02/04/2021	GENF	72479	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE PP	214-116	000	4,349.64
02/04/2021	GENF	72479	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE IFT	214-216	000	652.90
				CHECK GENF 72479 TOTAL FOR FUND 703:			<u>24,241.29</u>
02/04/2021	GENF	72480	PATHWAYS FUND	CCT-PATHWAYS	214-100	000	29,399.15
02/04/2021	GENF	72480	PATHWAYS FUND	CCT-PATHWAYS PP	214-100	000	6,646.55
02/04/2021	GENF	72480	PATHWAYS FUND	CCT - IFT PATHWAYS	214-200	000	997.68
				CHECK GENF 72480 TOTAL FOR FUND 703:			<u>37,043.38</u>
02/04/2021	GENF	72481	POLICE FUND	CCT-POLICE	214-105	000	38,403.27
02/04/2021	GENF	72481	POLICE FUND	CCT-POLICE PP	214-105	000	8,682.23
02/04/2021	GENF	72481	POLICE FUND	CCT - IFT POLICE	214-205	000	1,303.23
				CHECK GENF 72481 TOTAL FOR FUND 703:			<u>48,388.73</u>
02/04/2021	GENF	72482	CASCADE CHARTER TOWNSHIP	CCT- S.A. 41-19-16-126-014	214-135	000	1,341.59
02/04/2021	GENF	72484	KENT COUNTY DRAIN COMMISSION	APPLE HILLS	222-180	000	86.34
02/04/2021	GENF	72484	KENT COUNTY DRAIN COMMISSION	FASE ST	222-180	000	38.82
02/04/2021	GENF	72484	KENT COUNTY DRAIN COMMISSION	HUMPHREY	222-180	000	57.80
				CHECK GENF 72484 TOTAL FOR FUND 703:			<u>182.96</u>
02/04/2021	GENF	72485	KENT DISTRICT LIBRARY	KDL - TAXES	223-110	000	130,168.26
02/04/2021	GENF	72485	KENT DISTRICT LIBRARY	KDL - IFT TAXES	223-210	000	3,602.73
				CHECK GENF 72485 TOTAL FOR FUND 703:			<u>133,770.99</u>
02/04/2021	GENF	72486	STATE OF MICHIGAN	IFT SET & OPER TAX CALED OPER	228-201	000	20,461.88
02/04/2021	GENF	72486	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS OPER	228-201	000	5,265.60
				CHECK GENF 72486 TOTAL FOR FUND 703:			<u>25,727.48</u>
02/05/2021	GENF	6634(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	138,949.91
02/05/2021	GENF	6635(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	82,551.03
02/05/2021	GENF	6635(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - IFT DEBT	225-520	000	7,957.40
				CHECK GENF 6635(A) TOTAL FOR FUND 703:			<u>90,508.43</u>
02/05/2021	GENF	6636(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	336,922.64
02/05/2021	GENF	6636(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - INTEREST	225-111	000	451.80
02/05/2021	GENF	6636(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	260,919.65
02/05/2021	GENF	6636(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	38,842.70
02/05/2021	GENF	6636(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT DEBT	225-220	000	1,962.06
02/05/2021	GENF	6636(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT RECREATION	225-230	000	292.09
				CHECK GENF 6636(A) TOTAL FOR FUND 703:			<u>639,390.94</u>
02/05/2021	GENF	6637(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	2,994.21
02/05/2021	GENF	6637(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES INTEREST	235-111	000	149.74
				CHECK GENF 6637(A) TOTAL FOR FUND 703:			<u>3,143.95</u>
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	7,239.39

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - INTEREST	222-111	000	361.95
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - JAIL	222-160	000	79,842.59
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - ZOO/MUSEUM	222-165	000	44,498.78
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - SENIOR	222-170	000	50,572.27
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - VETERAN'S MILLAGE	222-172	000	5,037.11
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - EARLY CHILDHOOD	222-185	000	25,492.16
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT JAIL	222-260	000	2,209.86
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT ZOO/MUSEUM	222-265	000	1,231.65
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT SENIOR	222-270	000	1,399.73
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT VETERAN'S MILLAGE	222-272	000	139.45
02/05/2021	GENF	6639(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT EARLY CHILDHOOD	222-285	000	705.59
				CHECK GENF 6639(A) TOTAL FOR FUND 703:			<u>218,730.53</u>
02/05/2021	GENF	6640(A)	KENT COUNTY TREASURER-SET	KENT COUNTY - INTEREST	222-111	000	514.14
02/05/2021	GENF	6640(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	10,282.56
				CHECK GENF 6640(A) TOTAL FOR FUND 703:			<u>10,796.70</u>
02/05/2021	GENF	6641(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	9,542.88
02/05/2021	GENF	6641(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES INTEREST	234-111	000	477.14
				CHECK GENF 6641(A) TOTAL FOR FUND 703:			<u>10,020.02</u>
02/05/2021	GENF	6642(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	8,038.83
02/05/2021	GENF	6642(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	10,922.62
02/05/2021	GENF	6642(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	1,497.89
				CHECK GENF 6642(A) TOTAL FOR FUND 703:			<u>20,459.34</u>
02/11/2021	GENF	72502	KENT COUNTY - HEALTH DEPT	KENT COUNTY - DOG LICENSE	222-175	000	819.20
02/11/2021	GENF	72504	CASCADE CHARTER TOWNSHIP	DUE TO 41-19-06-454-005	275-000	000	2,013.18
02/11/2021	GENF	72511	CASCADE CHARTER TOWNSHIP	CCT FIRE PP	214-115	000	39,491.32
02/11/2021	GENF	72511	CASCADE CHARTER TOWNSHIP	CCT FIRE	214-115	000	214,518.91
02/11/2021	GENF	72511	CASCADE CHARTER TOWNSHIP	CCT IFT FIRE	214-215	000	12,455.43
				CHECK GENF 72511 TOTAL FOR FUND 703:			<u>266,465.66</u>
02/11/2021	GENF	72512	CASCADE CHARTER TWP	CCT - OPERATING TAXES PP	214-110	000	29,174.57
02/11/2021	GENF	72512	CASCADE CHARTER TWP	CCT - OPERATING	214-110	000	158,478.04
02/11/2021	GENF	72512	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	1.30
02/11/2021	GENF	72512	CASCADE CHARTER TWP	CCT - STREET LIGHTS	214-140	000	5,356.47
02/11/2021	GENF	72512	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	32,883.12
02/11/2021	GENF	72512	CASCADE CHARTER TWP	CCT - IFT OPERATING TAXES	214-210	000	9,201.61
				CHECK GENF 72512 TOTAL FOR FUND 703:			<u>235,095.11</u>
02/11/2021	GENF	72513	LIBRARY FUND	CCT - LIBRARY PP	214-120	000	4,500.49
02/11/2021	GENF	72513	LIBRARY FUND	CCT - LIBRARY	214-120	000	24,447.41
02/11/2021	GENF	72513	LIBRARY FUND	CCT-IFT LIBRARY	214-220	000	1,419.56
				CHECK GENF 72513 TOTAL FOR FUND 703:			<u>30,367.46</u>
02/11/2021	GENF	72514	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE	214-116	000	37,511.43
02/11/2021	GENF	72514	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE PP	214-116	000	6,905.58
02/11/2021	GENF	72514	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE IFT	214-216	000	2,178.07
				CHECK GENF 72514 TOTAL FOR FUND 703:			<u>46,595.08</u>
02/11/2021	GENF	72515	PATHWAYS FUND	CCT-PATHWAYS PP	214-100	000	10,552.44
02/11/2021	GENF	72515	PATHWAYS FUND	CCT-PATHWAYS	214-100	000	57,321.68
02/11/2021	GENF	72515	PATHWAYS FUND	CCT - IFT PATHWAYS	214-200	000	3,328.29
				CHECK GENF 72515 TOTAL FOR FUND 703:			<u>71,202.41</u>
02/11/2021	GENF	72516	POLICE FUND	CCT-POLICE	214-105	000	74,877.62
02/11/2021	GENF	72516	POLICE FUND	CCT-POLICE PP	214-105	000	13,784.33

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/11/2021	GENF	72516	POLICE FUND	CCT - IFT POLICE	214-205	000	4,347.62
				CHECK GENF 72516 TOTAL FOR FUND 703:			93,009.57
02/11/2021	GENF	72517	CASCADE CHARTER TOWNSHIP	DELQ USE 411909351002	214-135	000	1,093.05
02/11/2021	GENF	72519	KENT COUNTY DRAIN COMMISSION	OATMAN	222-180	000	397.30
02/11/2021	GENF	72519	KENT COUNTY DRAIN COMMISSION	HHUMPHREY	222-180	000	3,072.01
02/11/2021	GENF	72519	KENT COUNTY DRAIN COMMISSION	FASE ST	222-180	000	180.77
02/11/2021	GENF	72519	KENT COUNTY DRAIN COMMISSION	APPLE HILLS	222-180	000	86.34
				CHECK GENF 72519 TOTAL FOR FUND 703:			3,736.42
02/11/2021	GENF	72520	KENT DISTRICT LIBRARY	KDL - TAXES	223-110	000	245,106.63
02/11/2021	GENF	72520	KENT DISTRICT LIBRARY	KDL - IFT TAXES	223-210	000	12,018.85
				CHECK GENF 72520 TOTAL FOR FUND 703:			257,125.48
02/11/2021	GENF	72521	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS OPER	228-201	000	9,747.65
02/11/2021	GENF	72521	STATE OF MICHIGAN	IFT SET & OPER TAX CALED OPER	228-201	000	75,233.95
				CHECK GENF 72521 TOTAL FOR FUND 703:			84,981.60
02/12/2021	GENF	6654(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	234,272.72
02/12/2021	GENF	6655(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - INTEREST	225-411	000	80.88
02/12/2021	GENF	6655(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	119,396.21
02/12/2021	GENF	6655(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - IFT DEBT	225-520	000	29,257.64
				CHECK GENF 6655(A) TOTAL FOR FUND 703:			148,734.73
02/12/2021	GENF	6656(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	780,559.93
02/12/2021	GENF	6656(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - INTEREST	225-111	000	251.32
02/12/2021	GENF	6656(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	523,626.24
02/12/2021	GENF	6656(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	77,951.27
02/12/2021	GENF	6656(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT DEBT	225-220	000	3,969.64
02/12/2021	GENF	6656(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT RECREATION	225-230	000	590.95
				CHECK GENF 6656(A) TOTAL FOR FUND 703:			1,386,949.35
02/12/2021	GENF	6657(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	2,474.75
02/12/2021	GENF	6657(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES INTEREST	235-111	000	127.96
				CHECK GENF 6657(A) TOTAL FOR FUND 703:			2,602.71
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	5,983.35
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - INTEREST	222-111	000	309.38
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - JAIL	222-160	000	150,343.68
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - ZOO/MUSEUM	222-165	000	83,791.28
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - SENIOR	222-170	000	95,227.53
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - VETERAN'S MILLAGE	222-172	000	9,484.80
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - EARLY CHILDHOOD	222-185	000	48,001.78
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT JAIL	222-260	000	7,372.16
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT ZOO/MUSEUM	222-265	000	4,108.79
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT SENIOR	222-270	000	4,669.56
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT VETERAN'S MILLAGE	222-272	000	465.20
02/12/2021	GENF	6658(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT EARLY CHILDHOOD	222-285	000	2,353.86
				CHECK GENF 6658(A) TOTAL FOR FUND 703:			412,111.37
02/12/2021	GENF	6659(A)	KENT COUNTY TREASURER-SET	KENT COUNTY - INTEREST	222-111	000	301.29
02/12/2021	GENF	6659(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	25.63
02/12/2021	GENF	6659(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	9.76
02/12/2021	GENF	6659(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	6,160.57
				CHECK GENF 6659(A) TOTAL FOR FUND 703:			6,497.25
02/12/2021	GENF	6660(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	7,887.17
02/12/2021	GENF	6660(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES INTEREST	234-111	000	407.83

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
CHECK GENF 6660(A) TOTAL FOR FUND 703:							8,295.00
02/12/2021	GENF	6661(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	15,383.55
02/12/2021	GENF	6661(A)	LOWELL AREA SCHOOLS	LOWELL - INTEREST	226-111	000	0.85
02/12/2021	GENF	6661(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	16,261.82
02/12/2021	GENF	6661(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	2,230.06
CHECK GENF 6661(A) TOTAL FOR FUND 703:							33,876.28
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	CCT-PATHWAYS	214-100	000	30,905.36
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	CCT-POLICE	214-105	000	40,370.35
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	CCT - OPERATING TAXES	214-110	000	85,442.14
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	CCT - FIRE	214-115	000	115,655.59
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE	214-116	000	20,225.09
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	CCT - LIBRARY	214-120	000	13,181.78
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KENT COUNTY - OPERATING	222-110	000	(6,619.20)
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KENT COUNTY - JAIL	222-160	000	67,597.25
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KENT COUNTY - ZOO/MUSEUM	222-165	000	38,152.68
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KENT COUNTY - SENIOR	222-170	000	42,816.55
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KENT COUNTY - VETERAN'S MILLAGE	222-172	000	4,320.01
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KENT COUNTY - EARLY CHILDHOOD	222-185	000	21,857.29
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	KDL - TAXES	223-110	000	111,601.70
02/18/2021	GENF	72529	CASCADE CHARTER TOWNSHIP	GRCC - TAXES	235-110	000	(2,737.74)
CHECK GENF 72529 TOTAL FOR FUND 703:							582,768.85
02/18/2021	GENF	72541	DEGROOT JANE E	DUE 41-19-22-326-021	275-000	000	245.35
02/18/2021	GENF	72542	POSTMA E Y TRUST	DUE TO 41-19-07-177-105	275-000	000	7.00
02/18/2021	GENF	72543	CECOLA LORA	DUE TO 41-19-15-333-023	275-000	000	800.00
02/18/2021	GENF	72544	LYON DIRCK & MAUREEN	DUE TO 41-19-04-301-021	275-000	000	20.00
02/18/2021	GENF	72545	BENCH & FIELD PET FOODS	DUE TO 41-19-22-401-004	275-000	000	963.23
02/18/2021	GENF	72550	CASCADE CHARTER TOWNSHIP	CCT FIRE	214-115	000	432,661.67
02/18/2021	GENF	72550	CASCADE CHARTER TOWNSHIP	CCT FIRE PP	214-115	000	24,044.14
02/18/2021	GENF	72550	CASCADE CHARTER TOWNSHIP	CCT - FIRE DDA CAPTURE	214-115	000	(115,655.59)
02/18/2021	GENF	72550	CASCADE CHARTER TOWNSHIP	CCT IFT FIRE	214-215	000	3,806.37
CHECK GENF 72550 TOTAL FOR FUND 703:							344,856.59
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - OPERATING	214-110	000	319,633.16
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - OPERATING TAXES PP	214-110	000	17,762.84
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - OPERATING TAXES	214-110	000	(85,442.14)
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	(1.17)
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - STREET LIGHTS	214-140	000	14,516.81
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	51,113.55
02/18/2021	GENF	72551	CASCADE CHARTER TWP	CCT - IFT OPERATING TAXES	214-210	000	2,811.99
CHECK GENF 72551 TOTAL FOR FUND 703:							320,395.04
02/18/2021	GENF	72552	LIBRARY FUND	CCT - LIBRARY DDA CAPTURE	214-120	000	(13,181.78)
02/18/2021	GENF	72552	LIBRARY FUND	CCT - LIBRARY	214-120	000	49,306.68
02/18/2021	GENF	72552	LIBRARY FUND	CCT - LIBRARY PP	214-120	000	2,739.97
02/18/2021	GENF	72552	LIBRARY FUND	CCT-IFT LIBRARY	214-220	000	433.79
CHECK GENF 72552 TOTAL FOR FUND 703:							39,298.66
02/18/2021	GENF	72553	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE	214-116	000	75,655.57
02/18/2021	GENF	72553	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE PP	214-116	000	4,204.28
02/18/2021	GENF	72553	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE	214-116	000	(20,225.09)
02/18/2021	GENF	72553	CASCADE CHARTER TOWNSHIP	CCT OPEN SPACE IFT	214-216	000	665.59
CHECK GENF 72553 TOTAL FOR FUND 703:							60,300.35

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/18/2021	GENF	72554	PATHWAYS FUND	CCT-PATHWAYS	214-100	000	115,610.61
02/18/2021	GENF	72554	PATHWAYS FUND	CCT-PATHWAYS PP	214-100	000	6,424.69
02/18/2021	GENF	72554	PATHWAYS FUND	CCT-PATHWAYS	214-100	000	(30,905.36)
02/18/2021	GENF	72554	PATHWAYS FUND	CCT - IFT PATHWAYS	214-200	000	1,017.10
				CHECK GENF 72554 TOTAL FOR FUND 703:			92,147.04
02/18/2021	GENF	72555	POLICE FUND	CCT-POLICE	214-105	000	151,018.94
02/18/2021	GENF	72555	POLICE FUND	CCT-POLICE PP	214-105	000	8,392.45
02/18/2021	GENF	72555	POLICE FUND	CCT-POLICE DDA CAPTURE	214-105	000	(40,370.35)
02/18/2021	GENF	72555	POLICE FUND	CCT - IFT POLICE	214-205	000	1,328.60
				CHECK GENF 72555 TOTAL FOR FUND 703:			120,369.64
02/18/2021	GENF	72556	CASCADE CHARTER TOWNSHIP	CCT - DELINQUENT USAGE	214-135	000	727.32
02/18/2021	GENF	72556	CASCADE CHARTER TOWNSHIP	CCT - 2017 TRD	214-135	000	2,683.18
				CHECK GENF 72556 TOTAL FOR FUND 703:			3,410.50
02/18/2021	GENF	72557	KENT COUNTY DRAIN COMMISSION	APPLE HILLS	222-180	000	388.53
02/18/2021	GENF	72557	KENT COUNTY DRAIN COMMISSION	FASE ST	222-180	000	369.26
02/18/2021	GENF	72557	KENT COUNTY DRAIN COMMISSION	HUMPHREY	222-180	000	757.85
02/18/2021	GENF	72557	KENT COUNTY DRAIN COMMISSION	OATMAM	222-180	000	2,423.32
				CHECK GENF 72557 TOTAL FOR FUND 703:			3,938.96
02/18/2021	GENF	72558	KENT DISTRICT LIBRARY	KDL - TAXES	223-110	000	440,697.37
02/18/2021	GENF	72558	KENT DISTRICT LIBRARY	KDL - DDA CAPTURE	223-110	000	(111,601.70)
02/18/2021	GENF	72558	KENT DISTRICT LIBRARY	KDL - IFT TAXES	223-210	000	3,672.94
				CHECK GENF 72558 TOTAL FOR FUND 703:			332,768.61
02/18/2021	GENF	72559	STATE OF MICHIGAN	IFT SET & OPER TAX CALED OPER	228-201	000	19,380.70
02/18/2021	GENF	72559	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS OPER	228-201	000	5,251.50
				CHECK GENF 72559 TOTAL FOR FUND 703:			24,632.20
02/19/2021	GENF	6668(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	375,590.13
02/19/2021	GENF	6668(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - INTEREST OPER	225-411	000	12.48
				CHECK GENF 6668(A) TOTAL FOR FUND 703:			375,602.61
02/19/2021	GENF	6669(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - INTEREST	225-411	000	94.13
02/19/2021	GENF	6669(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	188,116.24
02/19/2021	GENF	6669(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - IFT DEBT	225-520	000	7,811.85
				CHECK GENF 6669(A) TOTAL FOR FUND 703:			196,022.22
02/19/2021	GENF	6670(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	952,263.46
02/19/2021	GENF	6670(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - INTEREST	225-111	000	304.87
02/19/2021	GENF	6670(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	973,792.18
02/19/2021	GENF	6670(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	144,965.43
02/19/2021	GENF	6670(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT DEBT	225-220	000	2,285.98
02/19/2021	GENF	6670(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT RECREATION	225-230	000	340.31
				CHECK GENF 6670(A) TOTAL FOR FUND 703:			2,073,952.23
02/19/2021	GENF	6671(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	2,861.69
02/19/2021	GENF	6671(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - DDA SUMMER CAPTURE REFUND	235-110	000	2,737.74
02/19/2021	GENF	6671(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES INTEREST	235-111	000	170.37
				CHECK GENF 6671(A) TOTAL FOR FUND 703:			5,769.80
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT C. - OPERATING DDA CAPTURE REFUND	222-110	000	6,619.20
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	6,918.98
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - INTEREST	222-111	000	411.93
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - JAIL	222-160	000	270,314.43
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - JAIL DDA CAPTURE	222-160	000	(67,597.25)
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - ZOO/MUSEUM	222-165	000	150,654.05

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 02/01/2021 - 02/28/2021

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - ZOO/MUSEUM DDA CAPTURE	222-165	000	(38,152.68)
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - SENIOR DDA CAPTURE	222-170	000	(42,816.55)
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - SENIOR	222-170	000	171,216.44
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - VETERAN'S MILLAGE	222-172	000	17,052.18
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - VETERAN'S MILLAGE DDA CAPT	222-172	000	(4,320.01)
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - EARLY CHILDHOOD DDA CAPTUR	222-185	000	(21,857.29)
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - EARLY CHILDHOOD	222-185	000	86,305.32
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT JAIL	222-260	000	2,252.91
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT ZOO/MUSEUM	222-265	000	1,255.61
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT SENIOR	222-270	000	1,426.98
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT VETERAN'S MILLAGE	222-272	000	142.13
02/19/2021	GENF	6673(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT EARLY CHILDHOOD	222-285	000	719.31
				CHECK GENF 6673(A) TOTAL FOR FUND 703:			540,545.69
02/19/2021	GENF	6674(A)	KENT COUNTY TREASURER-SET	KENT COUNTY - INTEREST	222-111	000	585.07
02/19/2021	GENF	6674(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	906.86
02/19/2021	GENF	6674(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	6,230.72
02/19/2021	GENF	6674(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	2,689.88
				CHECK GENF 6674(A) TOTAL FOR FUND 703:			10,412.53
02/19/2021	GENF	6675(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	9,120.51
02/19/2021	GENF	6675(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES INTEREST	234-111	000	542.99
				CHECK GENF 6675(A) TOTAL FOR FUND 703:			9,663.50
02/19/2021	GENF	6676(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	7,320.31
02/19/2021	GENF	6676(A)	LOWELL AREA SCHOOLS	LOWELL - INTEREST	226-111	000	72.56
02/19/2021	GENF	6676(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	18,592.77
02/19/2021	GENF	6676(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	2,549.66
				CHECK GENF 6676(A) TOTAL FOR FUND 703:			28,535.30
Total for fund 703 CURRENT TAX COLLECTION FUND							10,172,441.89
TOTAL - ALL FUNDS							\$ 10,728,999.61

*'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE FUND

#'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

Transactions Log for Payroll Deductions
MONTH ENDING: FEBRUARY 2021

Direct Deposit

Date Submitted	<u>2/1/21</u>	Transaction#	<u>8188XA0D1W</u>	Amount	<u>\$93,056.46</u>
Date Submitted	<u>2/12/21</u>	Transaction#	<u>PZBE0YZ5GR</u>	Amount	<u>\$93,781.44</u>
Date Submitted	<u>2/16/21</u>	Transaction#	<u>WJG6YASYMG</u>	Amount	<u>\$6,363.36</u>

Deferred Comp

Date Submitted	<u>2/1/21</u>	Transaction#	<u>3</u>	Amount	<u>\$100</u>
Date Submitted	<u>2/12/21</u>	Transaction#		Amount	<u>\$100</u>
Date Submitted	<u>2/16/21</u>	Transaction#		Amount	<u>\$493.68</u>

Payroll Taxes

Date Submitted	<u>2/1/21</u>	Transaction#	<u>359716415</u>	Amount	<u>33,730.80</u>
Date Submitted	<u>2/12/21</u>	Transaction#	<u>12033855</u>	Amount	<u>34,217.12</u>
Date Submitted	<u>2/16/21</u>	Transaction#	<u>78801060</u>	Amount	<u>2,518.58</u>

HSA

Date Submitted	<u>2/1/21</u>	Transaction#	<u>XBU7M13AHL</u>	Amount	<u>\$2,288</u>
Date Submitted	<u>2/12/21</u>	Transaction#	<u>SZXBPO159Q</u>	Amount	<u>2,288</u>
Date Submitted		Transaction#		Amount	

ICMA RC

Date Submitted	<u>2/1/21</u>	Transaction#	<u>OCYWV50TTJ</u>	Amount	<u>\$741.75</u>
Date Submitted	<u>2/12/21</u>	Transaction#	<u>XBRQH7KEFT</u>	Amount	<u>741.75</u>
Date Submitted	<u>2/16/21</u>	Transaction#	<u>JLNYCD66ON</u>	Amount	<u>1,271.44</u>

MERS DB EE

Date Submitted	<u>2/16/21</u>	Transaction#	<u>00116171-2</u>	Amount	<u>8482.51</u>
----------------	----------------	--------------	-------------------	--------	----------------

MERS DB ER

Date Submitted	<u>2/16/21</u>	Transaction#	<u>00116171-2</u>	Amount	<u>19,337</u>
----------------	----------------	--------------	-------------------	--------	---------------

MERS DC

Date Submitted	<u>2/2/21</u>	Transaction#	<u>90</u>	Amount	<u>\$15,587.25</u>
Date Submitted	<u>2/12/21</u>	Transaction#	<u>91</u>	Amount	<u>16,410.93</u>
Date Submitted	2/11/21	Transaction#		Amount	

Monthly Check Register - Gross

Date Submitted 2-16-21 Amount 331,510.09

Clerk's Office

Date _____

**FINANCIAL REPORTS
FEBRUARY 2021
PRE-AUDIT**

FUND NAME	FUND BALANCE	LIABILITIES LONG TERM DEBT	BOND FINAL PAYMENT	CURRENT INTEREST RATE
GENERAL FUND - 101 UNASSIGNED	5,012,301			
GENERAL FUND - 101 COMMITTED	2,999,543			
GENERAL FUND BALANCE	<u>\$ 8,011,844</u>			
FIRE FUND - 206- RESTRICTED BALANCE	<u>\$ 2,389,618</u>			
POLICE FUND - 207 RESTRICTED	1,174,751			
POLICE FUND - 207 COMMITTED	230,000			
POLICE FUND BALANCE	<u>\$ 1,404,751</u>			
HAZMAT FUND - 208 RESTRICTED	<u>\$ 31,443</u>			
CCT OPEN SPACE FUND - 209 RESTRICTED	397,896	REF/2017 2,667,343	2028	1.94
OCTOBER HOMEYER - 209 COMMITTED	356,412	**		
CCT OPEN SPACE FUND BALANCE	<u>\$ 754,309</u>			
DAM MAJOR REPAIR FUND - 211 RESTRICTED	478,162			
DAM MAJOR REPAIR FUND - 211 COMMITTED	250,000			
DAM MAJOR REPAIR FUND BALANCE	<u>\$ 728,162</u>			
PATHWAYS FUND -216- RESTRICTED BALANCE	<u>\$ 2,018,101</u>			
IMPROVEMENT REVOLVING FUND - 246 RESTRICTED	<u>\$ 1,699,618</u>			
DDA FUND - 248 RESTRICTED	<u>\$ 1,002,351</u>	REF/2010 PAID IN-FULL -	2020	3.45
BUILDING INSP FUND - 249 RESTRICTED	2,020,192			
BUILDING INSP FUND - 249 COMMITTED	1,000,000			
BUILDING INSP FUND BALANCE	<u>\$ 3,020,192</u>			
LIBRARY FUND - 270 RESTRICTED	1,657,861			
LIBRARY FUND - 270 COMMITTED	400,000			
LIBRARY FUND BALANCE	<u>\$ 2,057,861</u>			
TOTAL ALL FUNDS	<u><u>\$ 23,235,722</u></u>	<u><u>\$ 2,667,343</u></u>		
<u>TRUST AND AGENCY FUNDS</u>				
CEMETERY TRUST FUND - 151 NONSPENDABLE	108,435			
CEMETERY TRUST FUND - 151 COMMITTED	9,038			
TOTAL CEMETERY TRUST FUND	<u>\$ 117,474</u>			
TRUST & AGENCY FUND -701	<u>\$ 204,800</u>			
TAX FUND - 703	<u>\$ 1,505,956</u>			
TOTAL TRUST & AGENCY	<u><u>\$ 1,828,230</u></u>			

** A portion of A Homeyer balance has not been committed by Board as of statement date.**

FOR DETAILS OF COMMITTED FUNDS, SEE BALANCE SHEET OF EACH FUND
BOARD RESOLUTIONS: 104-2012, 8-2018
ARTICLE 7, BOARD MTG 3/28/2018

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 101 - GENERAL FUND								
Revenues								
101-000-401-401	GENERAL PROPERTY TAXES	1,412,262.28	1,466,381.00	1,466,381.00	1,340,129.27	473,949.60	126,251.73	91.39
101-000-401-405	STREETLIGHT	77,350.44	78,000.00	78,000.00	72,564.01	22,876.31	5,435.99	93.03
101-000-401-410	PERSONAL PROPERTY TAX	96,806.89	104,027.00	104,027.00	85,049.54	65,313.23	18,977.46	81.76
101-000-401-420	DELINQUENT TAXES	2,901.82	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
101-000-401-437	ABATEMENT TAXES	11,888.21	17,331.00	17,331.00	14,818.22	14,771.85	2,512.78	85.50
101-000-401-445	INTEREST & PENALTIES ON TAXES	3,205.75	5,000.00	5,000.00	1,638.42	0.00	3,361.58	32.77
101-000-401-447	TAX ADMINISTRATION FEES	674,710.24	635,000.00	635,000.00	135,465.67	100,597.64	499,534.33	21.33
101-000-450-460	CABLE REVENUE	336,492.91	336,000.00	336,000.00	0.00	82,646.82	336,000.00	0.00
101-000-450-465	CABLE - PEG FEES	70,063.14	70,000.00	70,000.00	0.00	17,634.93	70,000.00	0.00
101-000-450-490	DOG LICENSES	152.80	150.00	150.00	28.80	28.80	121.20	19.20
101-000-450-498	OTHER PERMITS	0.00	400.00	400.00	50.00	50.00	350.00	12.50
101-000-451-000	LIQUOR LICENSE	25,725.15	25,000.00	25,000.00	0.00	0.00	25,000.00	0.00
101-000-539-576	STATE SHARED REV.-SALES TAX	1,567,156.00	1,549,396.00	1,549,396.00	0.00	258,491.00	1,549,396.00	0.00
101-000-539-581	METRO ACT	17,477.04	17,000.00	17,000.00	0.00	0.00	17,000.00	0.00
101-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	65,541.04	49,156.00	49,156.00	0.00	0.00	49,156.00	0.00
101-000-600-608	PLANNING AND ZONING FEES	42,558.45	25,000.00	25,000.00	350.00	150.00	24,650.00	1.40
101-000-600-610	SUMMER TAX COLLECTION FEE	26,000.80	26,000.00	26,000.00	0.00	0.00	26,000.00	0.00
101-000-600-611	SEWER & WATER IMPLEMENTATION	37,288.57	21,000.00	21,000.00	0.00	0.00	21,000.00	0.00
101-000-600-614	PA 198 TAX APPLICATION FEE	1,000.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-000-600-626	PASSPORT APPLICATION FEE	10,955.00	21,000.00	21,000.00	0.00	0.00	21,000.00	0.00
101-000-600-634	CEMETERY-OPENINGS AND CLOSINGS	10,915.00	15,000.00	15,000.00	1,545.00	0.00	13,455.00	10.30
101-000-600-647	YARD WASTE TAG FEE	872.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-000-665-000	INTEREST ON INVESTMENTS	163,060.12	80,000.00	80,000.00	7,182.92	536.45	72,817.08	8.98
101-000-665-002	DAM LEASE PAYMENTS	70,000.00	70,000.00	70,000.00	17,500.00	0.00	52,500.00	25.00
101-000-665-003	RENTAL OF FACILITIES	585.00	600.00	600.00	0.00	0.00	600.00	0.00
101-000-665-004	CELLULAR TOWERS	103,176.96	109,000.00	109,000.00	37,351.50	4,521.29	71,648.50	34.27
101-000-665-014	CELL TOWER - KEPS ANTENNA LEASE	900.00	1,800.00	1,800.00	225.00	0.00	1,575.00	12.50
101-000-671-653	PARK INCOME	4,320.00	7,000.00	7,000.00	865.00	675.00	6,135.00	12.36
101-000-671-671	MISCELLANEOUS INCOME	23,554.85	4,000.00	4,000.00	428.64	363.19	3,571.36	10.72
101-000-671-675	DONATIONS	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
101-000-671-680	MISC INCOME - TRANSIT TICKETS	430.00	500.00	500.00	105.00	105.00	395.00	21.00
101-000-671-683	REIMBURSEMENTS/REFUNDS	5,946.21	0.00	0.00	0.00	0.00	0.00	0.00
101-000-673-000	SALE OF ASSETS	2,538.00	2,500.00	2,500.00	50.00	50.00	2,450.00	2.00
101-000-674-000	4TH OF JULY SPONSORS	0.00	20,000.00	20,000.00	5,300.00	0.00	14,700.00	26.50
101-000-674-200	HALLOWEEN SPONSORS	0.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-000-675-000	DDA CONTRIBUTION	99,426.00	99,426.00	99,426.00	0.00	0.00	99,426.00	0.00
101-000-676-000	ELECTION REIMBURSEMENT	26,822.65	0.00	0.00	0.00	0.00	0.00	0.00
101-000-679-000	INTERFUND REIMBURSE/BLDG INSPECTION FU	99,135.36	100,000.00	100,000.00	4,227.00	4,227.00	95,773.00	4.23
101-000-679-100	REIMBURSEMENT FROM PATHWAYS	50,974.00	50,974.00	50,974.00	0.00	0.00	50,974.00	0.00
101-000-679-200	REIMBURSEMENT FROM LIBRARY	76,461.00	76,461.00	76,461.00	0.00	0.00	76,461.00	0.00
101-000-679-300	REIMBURSEMENT FROM CEMETERY	(1,725.00)	0.00	0.00	0.00	0.00	0.00	0.00
101-000-699-100	TRANSFER FROM	40,362.00	40,362.00	40,362.00	0.00	0.00	40,362.00	0.00
Total Revenues		5,261,290.68	5,133,464.00	5,133,464.00	1,724,873.99	1,046,988.11	3,408,590.01	33.60
TOTAL REVENUES		5,261,290.68	5,133,464.00	5,133,464.00	1,724,873.99	1,046,988.11	3,408,590.01	33.60
Expenditures								
Dept 101 - TOWNSHIP BOARD								
101-101-704-000	WAGES- PART TIME	39,834.47	39,926.00	39,926.00	3,855.43	3,528.92	36,070.57	9.66
101-101-723-000	TOWNSHIP DUES	16,944.58	19,050.00	19,050.00	230.00	0.00	18,820.00	1.21
101-101-724-000	EDUCATION	1,900.00	1,700.00	1,700.00	0.00	0.00	1,700.00	0.00
101-101-860-000	TRUSTEE MILEAGE	0.00	250.00	250.00	0.00	0.00	250.00	0.00
101-101-862-500	TRUSTEE EXPENSE ACCOUNT	0.00	500.00	500.00	0.00	0.00	500.00	0.00
101-101-924-100	TRUSTEE CELL PHONES	1,795.42	1,200.00	1,200.00	63.79	63.79	1,136.21	5.32
101-101-981-000	OFFICE EQUIPMENT	143.04	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
Total Dept 101 - TOWNSHIP BOARD		60,617.51	63,626.00	63,626.00	4,149.22	3,592.71	59,476.78	6.52
Dept 171 - SUPERVISOR								
101-171-702-000	WAGES- FULL TIME	195,011.65	200,061.00	200,061.00	16,180.98	10,769.00	183,880.02	8.09
101-171-703-200	ASSIGNABLE SALARY	0.00	29,546.00	29,546.00	0.00	0.00	29,546.00	0.00
101-171-704-000	WAGES- PART TIME	22,130.19	22,181.00	22,181.00	2,141.90	1,960.51	20,039.10	9.66
101-171-723-000	SUPERVISOR MEMBERSHIPS AND DUES	1,975.20	3,525.00	3,525.00	0.00	0.00	3,525.00	0.00
101-171-724-000	EDUCATION	1,058.72	6,900.00	6,900.00	100.00	0.00	6,800.00	1.45
101-171-725-100	TUITION REIMBURSEMENT	2,079.00	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00
101-171-860-000	SUPERVISOR MILEAGE	1,600.28	4,600.00	4,600.00	0.00	0.00	4,600.00	0.00
101-171-862-500	SUPERVISOR EXPENSE ACCOUNT	0.00	500.00	500.00	0.00	0.00	500.00	0.00
101-171-862-550	MANAGER EXPENSE ACCOUNT	348.81	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-171-901-000	SUPERVISOR PUBLICATIONS	162.54	500.00	500.00	0.00	0.00	500.00	0.00
101-171-925-000	SUPERVISOR CELL PHONE	4,103.88	2,940.00	2,940.00	148.90	148.90	2,791.10	5.06
101-171-967-000	SPECIAL PROJECTS	1,680.00	10,000.00	10,000.00	2,240.00	2,240.00	7,760.00	22.40
101-171-981-000	OFFICE EQUIPMENT	0.00	3,000.00	3,000.00	1,223.64	0.00	1,776.36	40.79
Total Dept 171 - SUPERVISOR		230,144.27	288,253.00	288,253.00	22,035.42	15,118.41	266,217.58	7.64
Dept 215 - CLERK								
101-215-702-000	WAGES- FULL TIME	71,682.43	56,279.00	56,279.00	6,710.88	4,329.60	49,568.12	11.92
101-215-704-000	WAGES- PART TIME	17,704.15	17,745.00	17,745.00	1,713.53	1,568.41	16,031.47	9.66
101-215-707-000	WAGES- CASUAL	1,300.00	17,087.00	17,087.00	0.00	0.00	17,087.00	0.00
101-215-723-000	CLERK MEMBERSHIPS AND DUES	670.00	600.00	600.00	75.00	75.00	525.00	12.50
101-215-724-000	EDUCATION	1,989.30	5,100.00	5,100.00	0.00	0.00	5,100.00	0.00
101-215-725-000	CLERK TUITION REIMBURSEMENT	0.00	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00
101-215-768-000	UNIFORMS	0.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-215-860-000	CLERK MILEAGE	860.63	1,000.00	1,000.00	4.59	0.00	995.41	0.46
101-215-862-500	CLERK'S EXPENSE ACCOUNT	3.95	500.00	500.00	0.00	0.00	500.00	0.00
101-215-925-000	CLERK CELL PHONE	1,777.23	1,200.00	1,200.00	191.29	141.29	1,008.71	15.94
101-215-981-000	OFFICE EQUIPMENT	1,127.71	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
Total Dept 215 - CLERK		97,115.40	106,011.00	106,011.00	8,695.29	6,114.30	97,315.71	8.20
Dept 253 - TREASURER								
101-253-702-000	WAGES- FULL TIME	109,131.18	110,430.00	110,430.00	13,600.32	8,774.40	96,829.68	12.32
101-253-704-000	WAGES- PART TIME	17,704.15	17,745.00	17,745.00	1,713.53	1,568.41	16,031.47	9.66
101-253-707-000	WAGES- CASUAL	939.90	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
101-253-707-100	ADDITIONAL HELP/OVERTIME	0.00	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
101-253-723-000	TREASURER MEMBERSHIPS AND DUES	649.00	600.00	600.00	0.00	0.00	600.00	0.00
101-253-724-000	EDUCATION	0.00	3,000.00	3,000.00	550.00	0.00	2,450.00	18.33
101-253-725-000	EDUCATION/TUITION REIMBURSEMENT	0.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-253-860-000	TREASURER MILEAGE	384.40	500.00	500.00	3.92	3.92	496.08	0.78
101-253-862-500	TREASURER'S EXPENSE ACCOUNT	0.00	200.00	200.00	0.00	0.00	200.00	0.00
101-253-924-100	TREASURER'S CELL PHONES	162.78	600.00	600.00	21.26	21.26	578.74	3.54
101-253-939-000	TREASURER SERVICE CONTRACTS	2,371.00	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
101-253-981-000	OFFICE EQUIPMENT	510.00	5,600.00	5,600.00	2,468.50	190.78	3,131.50	44.08
Total Dept 253 - TREASURER		131,852.41	146,675.00	146,675.00	18,357.53	10,558.77	128,317.47	12.52
Dept 257 - ASSESSING								
101-257-702-000	WAGES- FULL TIME	197,921.97	210,456.00	210,456.00	25,419.14	16,399.44	185,036.86	12.08
101-257-707-000	WAGES- CASUAL	2,310.00	17,836.00	17,836.00	0.00	0.00	17,836.00	0.00
101-257-723-000	ASSESSING MEMBERSHIPS AND DUES	2,025.75	1,820.00	1,820.00	0.00	0.00	1,820.00	0.00
101-257-724-000	EDUCATION	2,250.54	9,250.00	9,250.00	277.50	250.00	8,972.50	3.00
101-257-727-000	ASSESSING OFFICE SUPPLIES	5,029.80	1,500.00	1,500.00	25.50	25.50	1,474.50	1.70
101-257-752-000	SUPPLIES	45.98	0.00	0.00	0.00	0.00	0.00	0.00
101-257-801-000	ASSESSING CONTRACTUAL SERVICES	18,000.00	24,000.00	24,000.00	6,000.00	4,000.00	18,000.00	25.00
101-257-808-000	BOARD OF REVIEW EXPENSES	218.36	5,025.00	5,025.00	125.00	125.00	4,900.00	2.49
101-257-860-000	ASSESSING MILEAGE	107.36	2,900.00	2,900.00	0.00	0.00	2,900.00	0.00
101-257-862-500	ASSESSING EXPENSE ACCOUNT	0.00	100.00	100.00	0.00	0.00	100.00	0.00
101-257-900-000	ASSESSING PRINTING AND PUBLISHING	162.50	1,600.00	1,600.00	0.00	0.00	1,600.00	0.00
101-257-924-100	CELL PHONES/DATA	493.04	2,400.00	2,400.00	167.61	167.61	2,232.39	6.98
101-257-939-000	ASSESSING SERVICE CONTRACTS	4,037.20	6,925.00	6,925.00	2,110.00	2,110.00	4,815.00	30.47
101-257-981-000	OFFICE EQUIPMENT	2,841.67	5,600.00	5,600.00	1,213.18	0.00	4,386.82	21.66
Total Dept 257 - ASSESSING		235,444.17	289,412.00	289,412.00	35,337.93	23,077.55	254,074.07	12.21
Dept 262 - ELECTIONS								
101-262-703-000	ELECTION SALARIES/PT HELP	10,572.75	0.00	0.00	641.60	152.90	(641.60)	100.00
101-262-707-000	WAGES- CASUAL	81,152.10	30,720.00	30,720.00	6,021.96	3,916.84	24,698.04	19.60
101-262-756-000	ELECTION SUPPLIES	15,221.05	6,000.00	6,000.00	846.34	846.34	5,153.66	14.11
101-262-788-000	ELECTION MISC EXPENSES	15,647.26	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00
101-262-932-000	MAINT/OFFICE EQUIP & COMPUTER REPAIR	0.00	500.00	500.00	0.00	0.00	500.00	0.00
Total Dept 262 - ELECTIONS		122,593.16	40,220.00	40,220.00	7,509.90	4,916.08	32,710.10	18.67
Dept 265 - BUILDING AND GROUNDS								
101-265-702-000	WAGES- FULL TIME	293,129.27	292,329.00	292,329.00	36,049.02	23,367.54	256,279.98	12.33
101-265-707-000	WAGES- CASUAL	23,757.50	57,600.00	57,600.00	0.00	0.00	57,600.00	0.00
101-265-713-000	OVERTIME	5,491.97	10,000.00	10,000.00	984.97	646.69	9,015.03	9.85
101-265-724-000	EDUCATION	0.00	1,250.00	1,250.00	0.00	0.00	1,250.00	0.00
101-265-768-000	BLDG & GROUNDS UNIFORMS	1,571.46	3,200.00	3,200.00	0.00	0.00	3,200.00	0.00
101-265-802-200	JANITORIAL & MAINTENANCE	0.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-265-863-000	VEHICLE MAINT	37,101.58	35,000.00	35,000.00	3,940.86	1,744.42	31,059.14	11.26
101-265-864-000	FUEL	11,710.94	20,000.00	20,000.00	2,974.48	1,862.24	17,025.52	14.87
101-265-921-000	COMPLEX ELECTRICITY	35,306.73	35,000.00	35,000.00	4,713.76	3,102.06	30,286.24	13.47
101-265-923-000	COMPLEX HEATING	11,276.74	12,000.00	12,000.00	2,591.18	2,591.18	9,408.82	21.59
101-265-924-000	COMPLEX PHONES	23,061.85	21,900.00	21,900.00	7,890.60	2,500.35	14,009.40	36.03
101-265-924-100	BLDG AND GROUNDS CELL PHONES	2,758.87	3,000.00	3,000.00	217.19	217.19	2,782.81	7.24
101-265-927-000	COMPLEX WATER-SEWER	8,148.32	7,500.00	7,500.00	1,447.26	1,447.26	6,052.74	19.30
101-265-931-000	COMPLEX MAINTENANCE	69,271.58	60,000.00	60,000.00	17,992.73	16,343.15	42,007.27	29.99
101-265-932-000	OFFICE EQUIP/COMPUTER REPAIR	504.00	16,750.00	16,750.00	15,600.00	0.00	1,150.00	93.13
101-265-939-000	SERVICE CONTRACTS	0.00	800.00	800.00	0.00	0.00	800.00	0.00
101-265-981-000	OFFICE EQUIPMENT	1,085.26	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
Total Dept 265 - BUILDING AND GROUNDS		524,176.07	583,329.00	583,329.00	94,402.05	53,822.08	488,926.95	16.18
Dept 276 - CEMETERY								
101-276-820-000	BACKHOE SERVICES	0.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
101-276-921-000	CEMETERY ELECTRICITY	939.38	1,000.00	1,000.00	246.49	121.77	753.51	24.65
101-276-931-000	MAINT & REPAIR/IMPROVEMENTS	603.44	15,000.00	15,000.00	0.00	0.00	15,000.00	0.00
101-276-932-000	CEMETERY MAINT	3,408.90	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 276 - CEMETERY		4,951.72	21,000.00	21,000.00	246.49	121.77	20,753.51	1.17
Dept 295 - ADMINISTRATIVE								
101-295-702-000	WAGES- FULL TIME	104,266.44	123,748.00	123,748.00	15,612.74	9,937.32	108,135.26	12.62
101-295-704-000	WAGES- PART TIME	23,614.08	36,350.00	36,350.00	0.00	0.00	36,350.00	0.00
101-295-707-000	WAGES- CASUAL	15,056.48	5,000.00	5,000.00	2,606.15	1,866.65	2,393.85	52.12
101-295-713-000	OVERTIME	7,841.40	5,000.00	5,000.00	929.57	460.36	4,070.43	18.59
101-295-723-000	MEMBERSHIP AND DUES	409.00	775.00	775.00	0.00	0.00	775.00	0.00
101-295-724-000	EDUCATION	334.00	7,000.00	7,000.00	0.00	0.00	7,000.00	0.00
101-295-726-000	EMPLOYEE TRAINING	1,747.47	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
101-295-727-000	OFFICE SUPPLIES	12,965.32	15,000.00	15,000.00	1,515.91	1,244.71	13,484.09	10.11
101-295-730-000	POSTAGE	16,724.97	19,000.00	19,000.00	1,564.97	0.00	17,435.03	8.24
101-295-752-000	SUPPLIES	0.00	0.00	0.00	13.93	0.00	(13.93)	100.00
101-295-755-000	COVID 19 EXPENSES	0.00	0.00	0.00	952.12	520.96	(952.12)	100.00
101-295-787-000	MISCELLANEOUS	14,267.37	17,200.00	17,200.00	4,547.97	4,191.31	12,652.03	26.44
101-295-807-000	AUDIT FEES & SERVICES	15,040.00	15,040.00	15,040.00	0.00	0.00	15,040.00	0.00
101-295-810-000	LIABILITY INSURANCE	22,962.10	25,013.00	25,013.00	24,628.30	0.00	384.70	98.46
101-295-814-000	TAX/ASSESSING ADMIN COSTS	15,878.17	22,000.00	22,000.00	0.00	0.00	22,000.00	0.00
101-295-815-000	COMPUTER COSTS-ISP	14,207.22	4,800.00	4,800.00	239.00	239.00	4,561.00	4.98
101-295-815-100	COMPUTER COSTS-WEB SITE	165.00	6,000.00	6,000.00	0.00	0.00	6,000.00	0.00
101-295-816-000	INSECT/WEED CONTROL	54,248.00	58,800.00	58,800.00	0.00	0.00	58,800.00	0.00
101-295-821-000	ENGINEERING COSTS	33,428.55	35,000.00	35,000.00	3,447.50	3,447.50	31,552.50	9.85
101-295-826-000	LEGAL FEES	61,308.40	40,000.00	40,000.00	19,111.50	15,235.50	20,888.50	47.78
101-295-850-000	COMMUNICATIONS	38.35	0.00	0.00	0.00	0.00	0.00	0.00
101-295-860-000	ADMINISTRATIVE MILEAGE	0.00	500.00	500.00	0.00	0.00	500.00	0.00
101-295-881-000	FOURTH OF JULY	0.00	50,000.00	50,000.00	23,187.50	0.00	26,812.50	46.38
101-295-881-200	HALLOWEEN	225.01	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
101-295-881-300	KDL MUSIC PROGRAMING	0.00	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00
101-295-882-000	SENIOR CITIZENS	0.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-295-885-000	NEWSLETTER	16,355.78	22,800.00	22,800.00	0.00	0.00	22,800.00	0.00
101-295-900-000	PRINTING/PUBLISHING	10,323.10	12,000.00	12,000.00	5,126.47	0.00	6,873.53	42.72
101-295-924-100	CELL PHONES/DATA	2,745.85	1,800.00	1,800.00	287.12	243.03	1,512.88	15.95
101-295-939-000	SERVICE CONTRACTS	14,781.63	17,000.00	17,000.00	1,533.90	1,533.90	15,466.10	9.02
101-295-941-000	POSTAGE MACHINE LEASE	2,752.68	2,800.00	2,800.00	688.17	688.17	2,111.83	24.58

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020	2021	2021	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT
		PRE-AUDIT BALANCE	BUDGET	AMENDED BUDGET	02/28/2021	MONTH 02/28/21	BALANCE	
					NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	USED
101-295-950-000	PROPERTY TAX REFUNDS	1,044.78	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
101-295-951-000	CABLE EQUIPMENT GRANTS	35,000.00	35,000.00	35,000.00	0.00	0.00	35,000.00	0.00
101-295-952-000	REGIS	30,534.78	40,000.00	40,000.00	0.00	0.00	40,000.00	0.00
101-295-952-100	KENT COUNTY AERIAL PHOTO	2,647.31	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00
101-295-954-000	NPDES PHASE II	10,014.88	10,100.00	10,100.00	0.00	0.00	10,100.00	0.00
101-295-955-000	COMMUNITY MEDIA CENTER	5,000.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
101-295-956-000	RIGHT PLACE PROGRAM	7,500.00	10,000.00	10,000.00	7,500.00	0.00	2,500.00	75.00
101-295-957-000	GENERAL FUND PHYSICAL EXAMS	0.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-295-967-000	SPECIAL PROJECTS	66,712.43	64,000.00	64,000.00	8,086.10	8,086.10	55,913.90	12.63
101-295-981-000	OFFICE EQUIPMENT	9,150.97	9,700.00	9,700.00	0.00	0.00	9,700.00	0.00
Total Dept 295 - ADMINISTRATIVE		629,291.52	741,926.00	741,926.00	121,578.92	47,694.51	620,347.08	16.39
Dept 445 - DRAIN								
101-445-816-000	DRAIN MAINTENANCE	6,328.99	12,000.00	12,000.00	1,617.50	1,617.50	10,382.50	13.48
101-445-821-000	DRAIN ENGINEERING	8,391.50	15,000.00	15,000.00	915.00	915.00	14,085.00	6.10
101-445-822-000	ILLCIT DISCHARGE PLAN	500.00	500.00	500.00	500.00	500.00	0.00	100.00
101-445-823-000	LGROW MEMBERSHIP DUES	400.00	400.00	400.00	0.00	0.00	400.00	0.00
Total Dept 445 - DRAIN		15,620.49	27,900.00	27,900.00	3,032.50	3,032.50	24,867.50	10.87
Dept 446 - ROADS								
101-446-818-000	DUST CONTROL LAYER	2,243.55	3,300.00	3,300.00	0.00	0.00	3,300.00	0.00
101-446-821-000	ROAD OVERLAYS	531,351.99	400,000.00	400,000.00	0.00	0.00	400,000.00	0.00
101-446-821-500	ROAD ENGINEERING STUDIES	255.43	30,000.00	30,000.00	0.00	0.00	30,000.00	0.00
Total Dept 446 - ROADS		533,850.97	433,300.00	433,300.00	0.00	0.00	433,300.00	0.00
Dept 447 - YARD WASTE REMOVAL								
101-447-787-000	MISCELLANEOUS	3,874.13	1,400.00	1,400.00	609.13	609.13	790.87	43.51
101-447-818-000	CONTRACTED SERVICES	13,672.75	0.00	0.00	0.00	0.00	0.00	0.00
101-447-820-000	SPRING/FALL CLEAN-UP	44,522.88	40,000.00	40,000.00	0.00	0.00	40,000.00	0.00
101-447-939-000	SERVICE CONTRACTS	0.00	44,000.00	44,000.00	0.00	0.00	44,000.00	0.00
Total Dept 447 - YARD WASTE REMOVAL		62,069.76	85,400.00	85,400.00	609.13	609.13	84,790.87	0.71
Dept 448 - STREET LIGHTS								
101-448-926-000	STREETLIGHTING	130,863.10	132,000.00	132,000.00	12,095.79	11,972.24	119,904.21	9.16
101-448-927-100	TRAFFIC SIGNALS	417.50	3,000.00	3,000.00	6.56	6.56	2,993.44	0.22
Total Dept 448 - STREET LIGHTS		131,280.60	135,000.00	135,000.00	12,102.35	11,978.80	122,897.65	8.96
Dept 652 - TRANSPORTATION								
101-652-859-000	TRANSPORTATION SERVICES	3,929.65	36,000.00	36,000.00	278.95	278.95	35,721.05	0.77
101-652-859-100	TRANSPORTATION SERVICE-GO BUS TICKETS	0.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
101-652-861-000	BUS SERVICE 33RD & 36TH	24,296.52	32,366.00	32,366.00	4,753.72	2,376.86	27,612.28	14.69
101-652-861-100	BUS SERVICE 28TH ST	178,156.77	214,711.00	214,711.00	31,535.04	15,767.52	183,175.96	14.69
Total Dept 652 - TRANSPORTATION		206,382.94	285,077.00	285,077.00	36,567.71	18,423.33	248,509.29	12.83
Dept 721 - PLANNING								
101-721-702-000	WAGES- FULL TIME	251,147.06	268,390.00	268,390.00	41,137.83	26,476.02	227,252.17	15.33
101-721-707-000	WAGES- CASUAL	4,657.50	21,500.00	21,500.00	0.00	0.00	21,500.00	0.00
101-721-723-000	COMM DEV MEMBERSHIPS AND DUES	1,193.19	1,700.00	1,700.00	95.00	0.00	1,605.00	5.59
101-721-724-000	EDUCATION	1,119.00	7,000.00	7,000.00	0.00	0.00	7,000.00	0.00
101-721-727-000	COMM DEV SUPPLIES	155.30	500.00	500.00	0.00	0.00	500.00	0.00
101-721-752-000	SUPPLIES	89.99	0.00	0.00	0.00	0.00	0.00	0.00
101-721-758-000	COMM DEV UNIFORMS	1,033.35	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
101-721-787-000	MISCELLANEOUS	515.85	750.00	750.00	101.34	101.34	648.66	13.51
101-721-809-000	PLANNING COMMISSION EXPENSES	0.00	0.00	0.00	2,137.50	1,620.00	(2,137.50)	100.00
101-721-860-000	COMM DEV MILEAGE	69.00	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
101-721-862-500	COMM DEV EXPENSE ACCOUNT	228.30	800.00	800.00	0.00	0.00	800.00	0.00
101-721-900-000	PRINTING & PUBLISHING	8,393.13	12,000.00	12,000.00	0.00	0.00	12,000.00	0.00
101-721-901-000	DIGITAL IMAGING	0.00	6,000.00	6,000.00	0.00	0.00	6,000.00	0.00
101-721-925-000	COMM DEV CELL/DATA	1,712.15	1,800.00	1,800.00	150.09	150.09	1,649.91	8.34
101-721-967-000	SPECIAL PROJECTS	6,569.25	25,000.00	25,000.00	989.08	989.08	24,010.92	3.96
101-721-981-000	OFFICE EQUIPMENT	2,303.06	3,600.00	3,600.00	0.00	0.00	3,600.00	0.00
Total Dept 721 - PLANNING		279,186.13	354,040.00	354,040.00	44,610.84	29,336.53	309,429.16	12.60
Dept 756 - PARKS								
101-756-756-000	PARK OPERATING SUPPLIES	1,524.77	6,000.00	6,000.00	1,199.20	1,199.20	4,800.80	19.99
101-756-921-000	PARK ELECTRICITY	5,889.54	6,000.00	6,000.00	1,331.58	686.41	4,668.42	22.19
101-756-924-000	PARK PHONES	1,857.28	1,920.00	1,920.00	203.23	110.00	1,716.77	10.58
101-756-927-000	PARK WATER-SEWER	1,800.64	3,200.00	3,200.00	0.00	0.00	3,200.00	0.00
101-756-935-000	PARK MAINTENANCE	69,769.51	61,000.00	61,000.00	2,535.13	1,759.88	58,464.87	4.16
101-756-981-000	OFFICE EQUIPMENT	0.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
Total Dept 756 - PARKS		80,841.74	83,120.00	83,120.00	5,269.14	3,755.49	77,850.86	6.34
Dept 803 - HISTORICAL								
101-803-758-000	COMMUNITY PROMOTION	6,000.00	7,000.00	7,000.00	0.00	0.00	7,000.00	0.00
101-803-921-000	MUSEUM - ELECTRICITY	792.64	750.00	750.00	154.59	73.18	595.41	20.61
101-803-923-000	MUSEUM - HEATING/UTILITY	764.53	1,200.00	1,200.00	126.50	126.50	1,073.50	10.54
101-803-927-000	MUSEUM WATER-SEWER	1,063.79	300.00	300.00	0.00	0.00	300.00	0.00
101-803-951-000	MUSEUM MAINTENANCE	8,224.57	2,400.00	2,400.00	50.00	50.00	2,350.00	2.08
Total Dept 803 - HISTORICAL		16,845.53	11,650.00	11,650.00	331.09	249.68	11,318.91	2.84
Dept 850 - BENEFITS/INSURANCE								
101-850-715-000	FICA-EMPLOYER	108,044.03	119,450.00	119,450.00	17,382.18	8,676.63	102,067.82	14.55
101-850-716-000	DEFINED CONTRIBUTION PLAN	90,080.96	109,868.00	109,868.00	23,535.70	8,289.66	86,332.30	21.42
101-850-717-000	WORKERS COMP INSURANCE	47,310.00	49,020.00	49,020.00	0.00	0.00	49,020.00	0.00
101-850-718-000	VISION INSURANCE BENEFITS	2,359.98	2,670.00	2,670.00	393.46	0.00	2,276.54	14.74
101-850-718-200	OTHER BENEFITS	37,924.21	40,700.00	40,700.00	37,800.00	0.00	2,900.00	92.87
101-850-718-300	OTHER BENEFITS- PTO BUYBACK PROGRAM	26,071.42	0.00	0.00	0.00	0.00	0.00	0.00
101-850-719-000	HEALTH INSURANCE BENEFITS	189,830.15	199,483.00	199,483.00	51,310.31	18,746.26	148,172.69	25.72
101-850-719-100	OPT-OUT INSURANCE	10,000.00	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
101-850-720-000	LIFE & DIS INSURANCE BENEFITS	14,071.08	15,138.00	15,138.00	2,585.74	1,305.15	12,552.26	17.08
101-850-721-000	DENTAL INSURANCE BENEFITS	18,897.86	21,311.00	21,311.00	2,994.88	1,677.09	18,316.12	14.05
101-850-722-000	PENSION PLAN BENEFITS	76,491.52	71,028.00	71,028.00	14,309.38	7,154.69	56,718.62	20.15
Total Dept 850 - BENEFITS/INSURANCE		621,081.21	638,668.00	638,668.00	150,311.65	45,849.48	488,356.35	23.54
Dept 901 - CAPITAL OUTLAY								

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020	2021	2021	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	BUDGET	AMENDED BUDGET	02/28/2021 NORM (ABNORM)	MONTH 02/28/21 INCR (DECR)	BALANCE NORM (ABNORM)	
101-901-970-000	CAPITAL OUTLAY - FFE	45,613.02	88,470.00	88,470.00	4,877.19	0.00	83,592.81	5.51
101-901-974-000	CAPITAL OUTLAY - LANDIMP	1,181,007.54	0.00	0.00	0.00	0.00	0.00	0.00
101-901-975-000	CAPITAL OUTLAY - BLDGIMP	712,264.46	320,000.00	320,000.00	55,590.36	55,590.36	264,409.64	17.37
Total Dept 901 - CAPITAL OUTLAY		1,938,885.02	408,470.00	408,470.00	60,467.55	55,590.36	348,002.45	14.80
Dept 965 - TRANSFERS OUT								
101-965-999-004	TRANSFER TO CEMETERY TRUST FUN	975.00	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
101-965-999-005	TRANSFER TO DAM MAJOR REPAIR	40,000.00	40,000.00	40,000.00	0.00	0.00	40,000.00	0.00
101-965-999-006	TRANSFER TO FIRE FUND	400,000.00	400,000.00	400,000.00	66,666.66	33,333.33	333,333.34	16.67
Total Dept 965 - TRANSFERS OUT		440,975.00	441,500.00	441,500.00	66,666.66	33,333.33	374,833.34	15.10
TOTAL EXPENDITURES		6,363,205.62	5,184,577.00	5,184,577.00	692,281.37	367,174.81	4,492,295.63	13.35
Fund 101 - GENERAL FUND:								
TOTAL REVENUES		5,261,290.68	5,133,464.00	5,133,464.00	1,724,873.99	1,046,988.11	3,408,590.01	33.60
TOTAL EXPENDITURES		6,363,205.62	5,184,577.00	5,184,577.00	692,281.37	367,174.81	4,492,295.63	13.35
NET OF REVENUES & EXPENDITURES		(1,101,914.94)	(51,113.00)	(51,113.00)	1,032,592.62	679,813.30	(1,083,705.62)	2,020.22

TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 101 - GENERAL FUND			
101-000-001-001	CASH DRAWER-PETTY CASH	175.00	
101-000-001-110	FLAGSTAR BANK - CASH GENERAL FUND	899,441.86	
101-000-001-111	GENL CASH RECEIVING & WIRE - FLAGSTAR	926.14	
101-000-001-500	GF CASH - K.C. POOL	1,175,462.68	
101-000-001-510	MI CLASS CASH - POOL ACCOUNTS	757,156.60	
101-000-001-700	CASH - GIFT CARDS	333.04	
101-000-003-005	CD - COMERICA M 9/19, 8/20	1,046,167.21	
101-000-003-022	CD- MERCANTILE BANK OF MI M 7/26/22	535,196.94	
101-000-003-028	CONSUMER CREDIT UNION M 1/08/2021	269,648.86	
101-000-003-038	GRAND RIVER BANK CD M 12/19/20	537,137.26	
101-000-003-041	LAKE MICH CREDIT UNION CD M 6/02/2020	1,031,066.34	
101-000-003-042	CD MSU FCU	500,015.00	
101-000-015-018	MONEY MARKET - HORIZON BANK	527,448.99	
101-000-015-019	M/M - FLAGSTAR BANK	586,634.41	
101-000-084-000	DUE FROM OTHER FUNDS	96,597.36	
101-000-202-000	ACCOUNTS PAYABLE		19,588.43
101-000-231-201	HEALTH SAVINGS ACCOUNT WITHHOLDING	30.00	
101-000-231-205	COBRA		1,584.90
101-000-231-220	DEPENDENT LIFE W/H		33.60
101-000-231-221	ADDITIONAL LIFE W/H	290.84	
101-000-390-000	FUND BALANCE - UNASSIGNED		5,012,300.92
101-000-391-001	FUND BALANCE - COMMITTED/PENSION 2012		499,543.00
101-000-391-004	FUND BAL - COMMIT FUTURE FACIL IMP 2018		2,500,000.00
101-000-401-401	GENERAL PROPERTY TAXES		1,340,129.27
101-000-401-405	STREETLIGHT		72,564.01
101-000-401-410	PERSONAL PROPERTY TAX		85,049.54
101-000-401-437	ABATEMENT TAXES		14,818.22
101-000-401-445	INTEREST & PENALTIES ON TAXES		1,638.42
101-000-401-447	TAX ADMINISTRATION FEES		135,465.67
101-000-450-490	DOG LICENSES		28.80
101-000-450-498	OTHER PERMITS		50.00
101-000-600-608	PLANNING AND ZONING FEES		350.00
101-000-600-634	CEMETERY-OPENINGS AND CLOSINGS		1,545.00
101-000-665-000	INTEREST ON INVESTMENTS		7,182.92
101-000-665-002	DAM LEASE PAYMENTS		17,500.00
101-000-665-004	CELLULAR TOWERS		37,351.50
101-000-665-014	CELL TOWER - KEPS ANTENA LEASE		225.00
101-000-671-653	PARK INCOME		865.00
101-000-671-671	MISCELLANEOUS INCOME		428.64
101-000-671-680	MISC INCOME - TRANSIT TICKETS		105.00
101-000-673-000	SALE OF ASSETS		50.00
101-000-674-000	4TH OF JULY SPONSORS		5,300.00
101-000-679-000	INTERFUND REIMBURSE/BLDG INSPECTION FUND		4,227.00
101-101-704-000	WAGES- PART TIME	3,855.43	
101-101-723-000	TOWNSHIP DUES	230.00	
101-101-924-100	TRUSTEE CELL PHONES	63.79	
101-171-702-000	WAGES- FULL TIME	16,180.98	
101-171-704-000	WAGES- PART TIME	2,141.90	

TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-171-724-000	EDUCATION	100.00	
101-171-925-000	SUPERVISOR CELL PHONE	148.90	
101-171-967-000	SPECIAL PROJECTS	2,240.00	
101-171-981-000	OFFICE EQUIPMENT	1,223.64	
101-215-702-000	WAGES- FULL TIME	6,710.88	
101-215-704-000	WAGES- PART TIME	1,713.53	
101-215-723-000	CLERK MEMBERSHIPS AND DUES	75.00	
101-215-860-000	CLERK MILEAGE	4.59	
101-215-925-000	CLERK CELL PHONE	191.29	
101-253-702-000	WAGES- FULL TIME	13,600.32	
101-253-704-000	WAGES- PART TIME	1,713.53	
101-253-724-000	EDUCATION	550.00	
101-253-860-000	TREASURER MILEAGE	3.92	
101-253-924-100	TREASURER'S CELL PHONES	21.26	
101-253-981-000	OFFICE EQUIPMENT	2,468.50	
101-257-702-000	WAGES- FULL TIME	25,419.14	
101-257-724-000	EDUCATION	277.50	
101-257-727-000	ASSESSING OFFICE SUPPLIES	25.50	
101-257-801-000	ASSESSING CONTRACTUAL SERVICES	6,000.00	
101-257-808-000	BOARD OF REVIEW EXPENSES	125.00	
101-257-924-100	CELL PHONES/DATA	167.61	
101-257-939-000	ASSESSING SERVICE CONTRACTS	2,110.00	
101-257-981-000	OFFICE EQUIPMENT	1,213.18	
101-262-703-000	ELECTION SALARIES/PT HELP	641.60	
101-262-707-000	WAGES- CASUAL	6,021.96	
101-262-756-000	ELECTION SUPPLIES	846.34	
101-265-702-000	WAGES- FULL TIME	36,049.02	
101-265-713-000	OVERTIME	984.97	
101-265-863-000	VEHICLE MAINT	3,940.86	
101-265-864-000	FUEL	2,974.48	
101-265-921-000	COMPLEX ELECTRICITY	4,713.76	
101-265-923-000	COMPLEX HEATING	2,591.18	
101-265-924-000	COMPLEX PHONES	7,890.60	
101-265-924-100	BLDG AND GROUNDS CELL PHONES	217.19	
101-265-927-000	COMPLEX WATER-SEWER	1,447.26	
101-265-931-000	COMPLEX MAINTENANCE	17,992.73	
101-265-932-000	OFFICE EQUIP/COMPUTER REPAIR	15,600.00	
101-276-921-000	CEMETERY ELECTRICITY	246.49	
101-295-702-000	WAGES- FULL TIME	15,612.74	
101-295-707-000	WAGES- CASUAL	2,606.15	
101-295-713-000	OVERTIME	929.57	
101-295-727-000	OFFICE SUPPLIES	1,515.91	
101-295-730-000	POSTAGE	1,564.97	
101-295-752-000	SUPPLIES	13.93	
101-295-755-000	COVID 19 EXPENSES	952.12	
101-295-787-000	MISCELLANEOUS	4,547.97	
101-295-810-000	LIABILITY INSURANCE	24,628.30	
101-295-815-000	COMPUTER COSTS-ISP	239.00	
101-295-821-000	ENGINEERING COSTS	3,447.50	
101-295-826-000	LEGAL FEES	19,111.50	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-295-881-000	FOURTH OF JULY	23,187.50	
101-295-900-000	PRINTING/PUBLISHING	5,126.47	
101-295-924-100	CELL PHONES/DATA	287.12	
101-295-939-000	SERVICE CONTRACTS	1,533.90	
101-295-941-000	POSTAGE MACHINE LEASE	688.17	
101-295-956-000	RIGHT PLACE PROGRAM	7,500.00	
101-295-967-000	SPECIAL PROJECTS	8,086.10	
101-445-816-000	DRAIN MAINTENANCE	1,617.50	
101-445-821-000	DRAIN ENGINEERING	915.00	
101-445-822-000	ILLICIT DISCHARGE PLAN	500.00	
101-447-787-000	MISCELLANEOUS	609.13	
101-448-926-000	STREETLIGHTING	12,095.79	
101-448-927-100	TRAFFIC SIGNALS	6.56	
101-652-859-000	TRANSPORTATION SERVICES	278.95	
101-652-861-000	BUS SERVICE 33RD & 36TH	4,753.72	
101-652-861-100	BUS SERVICE 28TH ST	31,535.04	
101-721-702-000	WAGES- FULL TIME	41,137.83	
101-721-723-000	COMM DEV MEMBERSHIPS AND DUES	95.00	
101-721-787-000	MISCELLANEOUS	101.34	
101-721-809-000	PLANNING COMMISSION EXPENSES	2,137.50	
101-721-925-000	COMM DEV CELL/DATA	150.09	
101-721-967-000	SPECIAL PROJECTS	989.08	
101-756-756-000	PARK OPERATING SUPPLIES	1,199.20	
101-756-921-000	PARK ELECTRICITY	1,331.58	
101-756-924-000	PARK PHONES	203.23	
101-756-935-000	PARK MAINTENANCE	2,535.13	
101-803-921-000	MUSEUM - ELECTRICITY	154.59	
101-803-923-000	MUSEUM - HEATING/UTILITY	126.50	
101-803-961-000	MUSEUM MAINTENANCE	50.00	
101-850-715-000	FICA-EMPLOYER	17,382.18	
101-850-716-000	DEFINED CONTRIBUTION PLAN	23,535.70	
101-850-718-000	VISION INSURANCE BENEFITS	393.46	
101-850-718-200	OTHER BENEFITS	37,800.00	
101-850-719-000	HEALTH INSURANCE BENEFITS	51,310.31	
101-850-720-000	LIFE & DIS INSURANCE BENEFITS	2,585.74	
101-850-721-000	DENTAL INSURANCE BENEFITS	2,994.88	
101-850-722-000	PENSION PLAN BENEFITS	14,309.38	
101-901-970-000	CAPITAL OUTLAY - FFE	4,877.19	
101-901-975-000	CAPITAL OUTLAY - BLDGIMP	55,590.36	
101-965-999-006	TRANSFER TO FIRE FUND	66,666.66	
DEFICIENCY OF REVENUES/EXPENDITURES - 2020		1,101,914.94	
Total Fund 101 - GENERAL FUND		9,757,924.84	9,757,924.84

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 101 - GENERAL FUND		
*** Assets ***		
101-000-001-001	CASH DRAWER-PETTY CASH	175.00
101-000-001-110	FLAGSTAR BANK - CASH GENERAL FUND	899,441.86
101-000-001-111	GENL CASH RECEIVING & WIRE - FLAGSTAR	926.14
101-000-001-500	GF CASH - K.C. POOL	1,175,462.68
101-000-001-510	MI CLASS CASH - POOL ACCOUNTS	757,156.60
101-000-001-700	CASH - GIFT CARDS	333.04
101-000-003-005	CD - COMERICA M 9/19, 8/20	1,046,167.21
101-000-003-022	CD- MERCANTILE BANK OF MI M 7/26/22	535,196.94
101-000-003-028	CONSUMER CREDIT UNION M 1/08/2021	269,648.86
101-000-003-038	GRAND RIVER BANK CD M 12/19/20	537,137.26
101-000-003-041	LAKE MICH CREDIT UNION CD M 6/02/2020	1,031,066.34
101-000-003-042	CD MSU FCU	500,015.00
101-000-015-018	MONEY MARKET - HORIZON BANK	527,448.99
101-000-015-019	M/M - FLAGSTAR BANK	586,634.41
101-000-084-000	DUE FROM OTHER FUNDS	96,597.36
	Total Assets	7,963,407.69
*** Liabilities ***		
101-000-202-000	ACCOUNTS PAYABLE	19,588.43
101-000-231-201	HEALTH SAVINGS ACCOUNT WITHHOLDING	(30.00)
101-000-231-205	COBRA	1,584.90
101-000-231-220	DEPENDENT LIFE W/H	33.60
101-000-231-221	ADDITIONAL LIFE W/H	(290.84)
	Total Liabilities	20,886.09
*** Fund Balance ***		
101-000-390-000	FUND BALANCE - UNASSIGNED	5,012,300.92
101-000-391-001	FUND BALANCE - COMMITTED/PENSION 2012	499,543.00
101-000-391-004	FUND BAL - COMMIT FUTURE FACIL IMP 2018	2,500,000.00
	Total Fund Balance	8,011,843.92

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

<u>GL Number</u>	<u>Description</u>	<u>Balance</u>
	Beginning Fund Balance - 2020	8,011,843.92
	Net of Revenues VS Expenditures - 2020	(1,101,914.94)
	*2020 End FB/2021 Beg FB	6,909,928.98
	Net of Revenues VS Expenditures - Current Year	1,032,592.62
	Ending Fund Balance	7,942,521.60
	Total Liabilities And Fund Balance	7,963,407.69

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 151 - CEMETERY TRUST FUND								
Revenues								
Dept 000								
151-000-600-634	CEMETERY-OPENINGS AND CLOSINGS	1,725.00	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
151-000-600-636	CEMETERY-CARE FEE	2,455.00	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00
151-000-665-000	INTEREST ON INVESTMENTS	573.18	580.00	580.00	50.23	50.23	529.77	8.66
151-000-699-101	TRANSFER FROM GENERAL FUND	975.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000		5,728.18	5,580.00	5,580.00	50.23	50.23	5,529.77	0.90
TOTAL REVENUES		5,728.18	5,580.00	5,580.00	50.23	50.23	5,529.77	0.90
Expenditures								
Dept 276 - CEMETERY								
151-276-787-000	MISCELLANEOUS	84.48	500.00	500.00	0.00	0.00	500.00	0.00
151-276-931-000	MAINT & REPAIR/IMPROVEMENTS	0.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
151-276-939-000	SERVICE CONTRACTS	505.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 276 - CEMETERY		589.48	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
TOTAL EXPENDITURES		589.48	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
Fund 151 - CEMETERY TRUST FUND:								
TOTAL REVENUES		5,728.18	5,580.00	5,580.00	50.23	50.23	5,529.77	0.90
TOTAL EXPENDITURES		589.48	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
NET OF REVENUES & EXPENDITURES		5,138.70	3,080.00	3,080.00	50.23	50.23	3,029.77	1.63

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 151 - CEMETERY TRUST FUND			
151-000-015-005	MONEY MARKET LAKE MICH CR UN 12/15	118,624.38	
151-000-390-000	FUND BALANCE		108,435.45
151-000-391-001	FUND BALANCE-COMMITTED WHITNEYVILLE M 11		5,000.00
151-000-665-000	INTEREST ON INVESTMENTS		50.23
Total Fund 151 - CEMETERY TRUST FUND			5,138.70
NET OF REVENUES/EXPENDITURES - 2020		118,624.38	118,624.38

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 151 - CEMETERY TRUST FUND		
*** Assets ***		
151-000-015-005	MONEY MARKET LAKE MICH CR UN 12/15	118,624.38
	Total Assets	<u>118,624.38</u>
*** Liabilities ***		
	Total Liabilities	<u>0.00</u>
*** Fund Balance ***		
151-000-390-000	FUND BALANCE	108,435.45
151-000-391-001	FUND BALANCE-COMMITTED WHITNEYVILLE M	5,000.00
	Total Fund Balance	<u>113,435.45</u>
	Beginning Fund Balance - 2020	<u>113,435.45</u>
	Net of Revenues VS Expenditures - 2020	5,138.70
	*2020 End FB/2021 Beg FB	118,574.15
	Net of Revenues VS Expenditures - Current Year	50.23
	Ending Fund Balance	118,624.38
	Total Liabilities And Fund Balance	<u>118,624.38</u>

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 206 - FIRE FUND								
Revenues								
Dept 000								
206-000-401-402	TAX LEVY	1,911,691.24	1,984,926.00	1,984,926.00	1,814,028.73	641,547.82	170,897.27	91.39
206-000-401-410	PERSONAL PROPERTY TAX	131,041.56	140,813.00	140,813.00	115,124.87	88,409.27	25,688.13	81.76
206-000-401-412	DELINQUENT TAXES-LEVY	3,527.20	5,500.00	5,500.00	0.00	0.00	5,500.00	0.00
206-000-401-437	ABATEMENT TAXES-LEVY	16,092.16	23,460.00	23,460.00	20,058.17	19,995.40	3,401.83	85.50
206-000-401-445	PENALTIES & INTEREST ON TAXES	348.07	450.00	450.00	0.00	0.00	450.00	0.00
206-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	37,791.69	33,257.00	33,257.00	0.00	0.00	33,257.00	0.00
206-000-665-000	INTEREST REVENUE	38,300.46	40,000.00	40,000.00	271.18	271.18	39,728.82	0.68
206-000-671-671	MISCELLANEOUS INCOME	509.00	250.00	250.00	0.00	0.00	250.00	0.00
206-000-671-675	DONATIONS	0.00	500.00	500.00	0.00	0.00	500.00	0.00
206-000-671-683	REIMBURSEMENTS/REFUNDS	2,162.93	250.00	250.00	0.00	0.00	250.00	0.00
206-000-699-000	TRANSFER IN	400,000.00	444,323.00	444,323.00	66,666.66	33,333.33	377,656.34	15.00
Total Dept 000		2,541,464.31	2,673,729.00	2,673,729.00	2,016,149.61	783,557.00	657,579.39	75.41
TOTAL REVENUES		2,541,464.31	2,673,729.00	2,673,729.00	2,016,149.61	783,557.00	657,579.39	75.41
Expenditures								
Dept 336 - FIRE DEPARTMENT								
206-336-702-000	WAGES- FULL TIME	1,189,948.84	1,470,310.00	1,470,310.00	169,741.18	104,932.75	1,300,568.82	11.54
206-336-703-200	ASSIGNABLE SALARY	0.00	34,902.00	34,902.00	0.00	0.00	34,902.00	0.00
206-336-707-000	WAGES- CASUAL	150,461.12	150,000.00	150,000.00	24,787.29	13,064.83	125,212.71	16.52
206-336-713-000	OVERTIME	110,352.59	70,000.00	70,000.00	12,320.33	9,003.47	57,679.67	17.60
206-336-723-000	FIRE MEMBERSHIP AND DUES	2,647.11	2,500.00	2,500.00	978.74	430.00	1,521.26	39.15
206-336-725-000	FIRE TUITION	3,250.00	5,000.00	5,000.00	3,250.00	3,250.00	1,750.00	65.00
206-336-726-000	FIRE TRAINING	16,155.73	30,500.00	30,500.00	5,507.25	677.25	24,992.75	18.06
206-336-727-000	FIRE OFFICE SUPPLIES	4,055.98	4,100.00	4,100.00	729.51	729.51	3,370.49	17.79
206-336-738-000	FIRE MAINT SUPPLIES	1,572.92	1,700.00	1,700.00	529.70	529.70	1,170.30	31.16
206-336-745-000	FIRE FUELS	14,828.71	20,000.00	20,000.00	2,246.68	1,256.21	17,753.32	11.23
206-336-752-000	SUPPLIES	2,553.49	2,500.00	2,500.00	104.90	0.00	2,395.10	4.20
206-336-752-100	MEDICAL SUPPLIES	2,264.80	0.00	0.00	287.06	287.06	(287.06)	100.00
206-336-768-000	FIRE UNIFORMS	13,031.04	14,000.00	14,000.00	1,184.64	759.10	12,815.36	8.46
206-336-787-000	MISCELLANEOUS	5,288.74	4,000.00	4,000.00	1,111.14	1,020.07	2,888.86	27.78
206-336-802-000	CONTRACTUAL SERVICES	71,151.89	16,000.00	16,000.00	1,524.99	0.00	14,475.01	9.53
206-336-803-000	FIRE FIGHTER HIRING	2,789.26	2,000.00	2,000.00	65.00	65.00	1,935.00	3.25
206-336-804-000	RESPIRATORY PROGRAM	8,574.65	8,600.00	8,600.00	0.00	0.00	8,600.00	0.00
206-336-807-000	FIRE AUDIT FEES & SERVICES	2,820.00	2,820.00	2,820.00	0.00	0.00	2,820.00	0.00
206-336-810-000	LIABILITY INSURANCE	19,757.10	21,533.00	21,533.00	23,781.30	0.00	(2,248.30)	110.44
206-336-826-000	FIRE LEGAL FEES	0.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
206-336-850-000	COMMUNICATIONS	19,793.07	14,500.00	14,500.00	1,871.93	808.64	12,628.07	12.91
206-336-863-000	VEHICLE MAINT	64,839.82	52,000.00	52,000.00	8,150.19	1,248.05	43,849.81	15.67
206-336-887-000	FIRE PUBLIC RELATIONS	5,161.40	4,600.00	4,600.00	92.62	0.00	4,507.38	2.01
206-336-901-000	FIRE PUBLICATIONS	1,197.15	1,500.00	1,500.00	84.33	84.33	1,415.67	5.62
206-336-924-000	FIRE PHONES	1,152.97	0.00	0.00	405.21	405.21	(405.21)	100.00
206-336-928-000	UTILITIES	15,323.66	18,820.00	18,820.00	2,019.31	1,311.93	16,800.69	10.73
206-336-932-000	FIRE OFF EQUIP & COMPUTER REPA	798.74	4,000.00	4,000.00	8,548.00	748.00	(4,548.00)	213.70
206-336-936-000	FIRE STATION MAINT	14,222.44	12,000.00	12,000.00	1,351.00	1,152.98	10,649.00	11.26
206-336-936-002	FIRE STATION MAINT/BUTTRICK	32,317.06	28,000.00	28,000.00	2,468.43	1,045.15	25,531.57	8.82
206-336-937-000	FIRE RADIO MAINT	11,815.25	12,000.00	12,000.00	0.00	0.00	12,000.00	0.00
206-336-938-000	FIRE EQUIPMENT MAINT	10,535.79	10,000.00	10,000.00	1,341.48	591.48	8,658.52	13.41
206-336-939-000	FIRE COPIER/LEASE/SERVICE	3,772.37	3,100.00	3,100.00	336.00	336.00	2,764.00	10.84
206-336-941-000	FIRE POSTAGE & MACHINE LEASE	900.00	900.00	900.00	0.00	0.00	900.00	0.00
206-336-950-000	PROPERTY TAX REFUNDS	16.84	500.00	500.00	0.00	0.00	500.00	0.00
206-336-957-000	FIRE PHYSICAL EXAMS	13,224.00	16,000.00	16,000.00	0.00	0.00	16,000.00	0.00
206-336-958-000	FIRE SUPPLEMENTAL EQUIPMENT	24,021.52	14,000.00	14,000.00	1,302.15	398.78	12,697.85	9.30
206-336-959-000	FIRE PROTECTIVE CLOTHING	30,582.79	37,000.00	37,000.00	1,611.32	1,611.32	35,388.68	4.35
206-336-981-000	OFFICE EQUIPMENT	11,875.30	10,000.00	10,000.00	3,323.50	2,184.64	6,676.50	33.24
Total Dept 336 - FIRE DEPARTMENT		1,883,054.14	2,100,385.00	2,100,385.00	281,055.18	147,931.46	1,819,329.82	13.38
Dept 850 - BENEFITS/INSURANCE								
206-850-715-000	FICA-EMPLOYER	111,276.03	131,476.00	131,476.00	18,475.72	9,291.13	113,000.28	14.05
206-850-716-000	DEFINED CONTRIBUTION PLAN	99,855.14	118,411.00	118,411.00	17,315.57	8,669.46	101,095.43	14.62
206-850-717-000	WORKERS COMP INSURANCE	117,707.28	113,335.00	113,335.00	0.00	0.00	113,335.00	0.00
206-850-718-000	VISION INSURANCE BENEFITS	1,905.78	2,761.00	2,761.00	440.78	0.00	2,320.22	15.96
206-850-718-200	OTHER BENEFITS	29,400.00	30,800.00	30,800.00	29,400.00	0.00	1,400.00	95.45
206-850-718-300	OTHER BENEFITS- PTO BUYBACK PROGRAM	19,960.22	0.00	0.00	0.00	0.00	0.00	0.00
206-850-719-000	HEALTH INSURANCE BENEFITS	168,457.30	183,072.00	183,072.00	61,692.46	19,179.13	121,379.54	33.70
206-850-719-100	OPT-OUT INSURANCE	9,000.00	12,000.00	12,000.00	0.00	0.00	12,000.00	0.00
206-850-720-000	LIFE & DISABILITY INSURANCE	17,912.75	14,407.00	14,407.00	3,151.56	1,596.67	11,255.44	21.88
206-850-721-000	DENTAL INSURANCE BENEFITS	22,125.40	22,679.00	22,679.00	4,235.46	2,097.91	18,443.54	18.63
206-850-722-000	PENSION PLAN BENEFITS	69,449.71	75,240.00	75,240.00	17,102.24	8,546.86	58,137.76	22.73
Total Dept 850 - BENEFITS/INSURANCE		667,049.61	704,181.00	704,181.00	151,813.79	49,381.16	552,367.21	21.56
Dept 901 - CAPITAL OUTLAY								
206-901-970-000	CAPITAL OUTLAY - FFE	23,378.46	141,250.00	141,250.00	4,877.19	0.00	136,372.81	3.45
Total Dept 901 - CAPITAL OUTLAY		23,378.46	141,250.00	141,250.00	4,877.19	0.00	136,372.81	3.45
Dept 965 - TRANSFERS OUT								
206-965-999-208	TRANSFER TO HAZMAT	2,000.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
Total Dept 965 - TRANSFERS OUT		2,000.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
TOTAL EXPENDITURES		2,575,482.21	2,947,816.00	2,947,816.00	437,746.16	197,312.62	2,510,069.84	14.85
Fund 206 - FIRE FUND:								
TOTAL REVENUES		2,541,464.31	2,673,729.00	2,673,729.00	2,016,149.61	783,557.00	657,579.39	75.41
TOTAL EXPENDITURES		2,575,482.21	2,947,816.00	2,947,816.00	437,746.16	197,312.62	2,510,069.84	14.85
NET OF REVENUES & EXPENDITURES		(34,017.90)	(274,087.00)	(274,087.00)	1,578,403.45	586,244.38	(1,852,490.45)	575.88

TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 206 - FIRE FUND			
206-000-001-001	CASH DRAWER-PETTY CASH	80.00	
206-000-001-510	MI CLASS CASH - POOL ACCOUNTS	806,582.12	
206-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	2,144,277.86	
206-000-003-000	53RD -CASH	0.05	
206-000-003-015	CD - COMMUNITY WEST CR UN	5.00	
206-000-003-032	COMMUNITY CHOICE CR UN M 4/18/21	261,290.23	
206-000-003-035	ADVENTURE CR UNION M 2/23/20	517,061.41	
206-000-003-039	LEVEL ONE BANK CD M11/21/2019	276,762.78	
206-000-015-005	MONEY MARKET LAKE MICH CR UN	5.00	
206-000-202-000	ACCOUNTS PAYABLE		9,700.45
206-000-214-000	DUE TO OTHER FUNDS		62,360.65
206-000-390-000	FUND BALANCE		2,389,617.80
206-000-401-402	TAX LEVY		1,814,028.73
206-000-401-410	PERSONAL PROPERTY TAX		115,124.87
206-000-401-437	ABATEMENT TAXES-LEVY		20,058.17
206-000-665-000	INTEREST REVENUE		271.18
206-000-699-000	TRANSFER IN		66,666.66
206-336-702-000	WAGES- FULL TIME	169,741.18	
206-336-707-000	WAGES- CASUAL	24,787.29	
206-336-713-000	OVERTIME	12,320.33	
206-336-723-000	FIRE MEMBERSHIP AND DUES	978.74	
206-336-725-000	FIRE TUITION	3,250.00	
206-336-726-000	FIRE TRAINING	5,507.25	
206-336-727-000	FIRE OFFICE SUPPLIES	729.51	
206-336-738-000	FIRE MAINT SUPPLIES	529.70	
206-336-745-000	FIRE FUELS	2,246.68	
206-336-752-000	SUPPLIES	104.90	
206-336-752-100	MEDICAL SUPPLIES	287.06	
206-336-768-000	FIRE UNIFORMS	1,184.64	
206-336-787-000	MISCELLANEOUS	1,111.14	
206-336-802-000	CONTRACTUAL SERVICES	1,524.99	
206-336-803-000	FIRE FIGHTER HIRING	65.00	
206-336-810-000	LIABILITY INSURANCE	23,781.30	
206-336-850-000	COMMUNICATIONS	1,871.93	
206-336-863-000	VEHICLE MAINT	8,150.19	
206-336-887-000	FIRE PUBLIC RELATIONS	92.62	
206-336-901-000	FIRE PUBLICATIONS	84.33	
206-336-924-000	FIRE PHONES	405.21	
206-336-928-000	UTILITIES	2,019.31	
206-336-932-000	FIRE OFF EQUIP & COMPUTER REPA	8,548.00	
206-336-936-000	FIRE STATION MAINT	1,351.00	
206-336-936-002	FIRE STATION MAINT/BUTTRICK	2,468.43	
206-336-938-000	FIRE EQUIPMENT MAINT	1,341.48	
206-336-939-000	FIRE COPIER/LEASE/SERVICE	336.00	
206-336-958-000	FIRE SUPPLEMENTAL EQUIPMENT	1,302.15	
206-336-959-000	FIRE PROTECTIVE CLOTHING	1,611.32	
206-336-981-000	OFFICE EQUIPMENT	3,323.50	
206-850-715-000	FICA-EMPLOYER	18,475.72	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
206-850-716-000	DEFINED CONTRIBUTION PLAN	17,315.57	
206-850-718-000	VISION INSURANCE BENEFITS	440.78	
206-850-718-200	OTHER BENEFITS	29,400.00	
206-850-719-000	HEALTH INSURANCE BENEFITS	61,692.46	
206-850-720-000	LIFE & DISABILITY INSURANCE	3,151.56	
206-850-721-000	DENTAL INSURANCE BENEFITS	4,235.46	
206-850-722-000	PENSION PLAN BENEFITS	17,102.24	
206-901-970-000	CAPITAL OUTLAY - FFE	4,877.19	
Total Fund 206 - FIRE FUND		4,477,828.51	4,477,828.51
DEFICIENCY OF REVENUES/EXPENDITURES - 2020		34,017.90	

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 206 - FIRE FUND		
*** Assets ***		
206-000-001-001	CASH DRAWER-PETTY CASH	80.00
206-000-001-510	MI CLASS CASH - POOL ACCOUNTS	806,582.12
206-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	2,144,277.86
206-000-003-000	53RD -CASH	0.05
206-000-003-015	CD - COMMUNITY WEST CR UN	5.00
206-000-003-032	COMMUNITY CHOICE CR UN M 4/18/21	261,290.23
206-000-003-035	ADVENTURE CR UNION M 2/23/20	517,061.41
206-000-003-039	LEVEL ONE BANK CD M11/21/2019	276,762.78
206-000-015-005	MONEY MARKET LAKE MICH CR UN	5.00
	Total Assets	4,006,064.45
*** Liabilities ***		
206-000-202-000	ACCOUNTS PAYABLE	9,700.45
206-000-214-000	DUE TO OTHER FUNDS	62,360.65
	Total Liabilities	72,061.10
*** Fund Balance ***		
206-000-390-000	FUND BALANCE	2,389,617.80
	Total Fund Balance	2,389,617.80
	Beginning Fund Balance - 2020	2,389,617.80
	Net of Revenues VS Expenditures - 2020	(34,017.90)
	*2020 End FB/2021 Beg FB	2,355,599.90
	Net of Revenues VS Expenditures - Current Year	1,578,403.45
	Ending Fund Balance	3,934,003.35
	Total Liabilities And Fund Balance	4,006,064.45

* Year Not Closed

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BGD USED
Fund 207 - POLICE FUND								
Revenues								
Dept 000								
207-000-401-402	TAX LEVY	667,278.60	691,029.00	691,029.00	633,175.37	223,929.48	57,853.63	91.63
207-000-401-410	PERSONAL PROPERTY TAX	45,740.17	49,150.00	49,150.00	40,183.78	30,859.01	8,966.22	81.76
207-000-401-412	DELINQUENT TAXES-LEVY	1,231.29	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
207-000-401-437	ABATEMENT TAXES-LEVY	5,617.13	8,189.00	8,189.00	7,001.36	6,979.45	1,187.64	85.50
207-000-401-445	INTEREST & PENALTIES ON TAX	121.38	150.00	150.00	0.00	0.00	150.00	0.00
207-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	13,191.74	11,609.00	11,609.00	0.00	0.00	11,609.00	0.00
207-000-665-000	INTEREST REVENUE	22,628.60	12,000.00	12,000.00	108.79	108.79	11,891.21	0.91
207-000-671-671	MISCELLANEOUS INCOME	49,146.72	0.00	0.00	(98,293.44)	(49,146.72)	98,293.44	100.00
Total Dept 000		804,955.63	776,127.00	776,127.00	582,175.86	212,730.01	193,951.14	75.01
TOTAL REVENUES		804,955.63	776,127.00	776,127.00	582,175.86	212,730.01	193,951.14	75.01
Expenditures								
Dept 301 - POLICE DEPARTMENT								
207-301-787-000	MISCELLANEOUS	12,829.60	25,000.00	25,000.00	0.00	0.00	25,000.00	0.00
207-301-801-000	SHERIFF PROTECTION	590,493.74	665,000.00	665,000.00	42,006.48	42,006.48	622,993.52	6.32
207-301-950-000	PROPERTY TAX REFUNDS	63.01	400.00	400.00	0.00	0.00	400.00	0.00
Total Dept 301 - POLICE DEPARTMENT		603,386.35	690,400.00	690,400.00	42,006.48	42,006.48	648,393.52	6.08
Dept 965 - TRANSFERS OUT								
207-965-999-000	TRANSFER TO OTHER FUND	40,362.00	40,362.00	40,362.00	0.00	0.00	40,362.00	0.00
Total Dept 965 - TRANSFERS OUT		40,362.00	40,362.00	40,362.00	0.00	0.00	40,362.00	0.00
TOTAL EXPENDITURES		643,748.35	730,762.00	730,762.00	42,006.48	42,006.48	688,755.52	5.75
Fund 207 - POLICE FUND:								
TOTAL REVENUES		804,955.63	776,127.00	776,127.00	582,175.86	212,730.01	193,951.14	75.01
TOTAL EXPENDITURES		643,748.35	730,762.00	730,762.00	42,006.48	42,006.48	688,755.52	5.75
NET OF REVENUES & EXPENDITURES		161,207.28	45,365.00	45,365.00	540,169.38	170,723.53	(494,804.38)	1,190.72

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 207 - POLICE FUND			
207-000-003-000	CASH-POLICE FUND - 53RD SECURITIES	0.05	
207-000-003-027	CD - NORTHPOINTE BANK M 5/09/20	273,694.20	
207-000-003-033	CD - PRIVATE BANK M 9/25/19	788,499.63	
207-000-003-041	LAKE MICH CREDIT UNION CD	257,609.64	
207-000-015-019	POLICE M/M FLAGSTAR BANK	835,470.64	
207-000-214-000	DUE TO GENERAL FUND		49,146.72
207-000-390-000	FUND BALANCE		1,174,750.78
207-000-391-001	FUND BALANCE - COMMITTED/ PP TAX 2012		230,000.00
207-000-401-402	TAX LEVY		633,175.37
207-000-401-410	PERSONAL PROPERTY TAX		40,183.78
207-000-401-437	ABATEMENT TAXES-LEVY		7,001.36
207-000-665-000	INTEREST REVENUE		108.79
207-000-671-671	MISCELLANEOUS INCOME	98,293.44	
207-301-801-000	SHERIFF PROTECTION	42,006.48	
Total Fund 207 - POLICE FUND		2,295,574.08	2,295,574.08
NET OF REVENUES/EXPENDITURES - 2020			161,207.28

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 207 - POLICE FUND		
*** Assets ***		
207-000-003-000	CASH-POLICE FUND - 53RD SECURITIES	0.05
207-000-003-027	CD - NORTHPOINTE BANK M 5/09/20	273,694.20
207-000-003-033	CD - PRIVATE BANK M 9/25/19	788,499.63
207-000-003-041	LAKE MICH CREDIT UNION CD	257,609.64
207-000-015-019	POLICE M/M FLAGSTAR BANK	835,470.64
	Total Assets	2,155,274.16
*** Liabilities ***		
207-000-214-000	DUE TO GENERAL FUND	49,146.72
	Total Liabilities	49,146.72
*** Fund Balance ***		
207-000-390-000	FUND BALANCE	1,174,750.78
207-000-391-001	FUND BALANCE - COMMITTED/ PP TAX 2012	230,000.00
	Total Fund Balance	1,404,750.78
	Beginning Fund Balance - 2020	1,404,750.78
	Net of Revenues VS Expenditures - 2020	161,207.28
	*2020 End FB/2021 Beg FB	1,565,958.06
	Net of Revenues VS Expenditures - Current Year	540,169.38
	Ending Fund Balance	2,106,127.44
	Total Liabilities And Fund Balance	2,155,274.16

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 208 - HAZMAT FUND								
Revenues								
Dept 000								
208-000-581-000	LOCAL CONTRIBUTIONS	0.00	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
208-000-607-600	HAZMAT KENTWOOD	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
208-000-607-700	HAZMAT - GAINES TWP	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
208-000-665-000	HAZMAT INTEREST	119.21	120.00	120.00	11.36	11.36	108.64	9.47
208-000-699-000	TRANSFER IN	2,000.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
Total Dept 000		8,119.21	6,120.00	6,120.00	11.36	11.36	6,108.64	0.19
TOTAL REVENUES		8,119.21	6,120.00	6,120.00	11.36	11.36	6,108.64	0.19
Expenditures								
Dept 344 - HAZMAT								
208-344-726-000	HAZMAT SUPPLIES	0.00	500.00	500.00	0.00	0.00	500.00	0.00
208-344-787-000	MISCELLANEOUS	0.00	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
208-344-789-000	HAZMAT TRAINING	0.00	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00
208-344-958-000	HAZMAT EQUIPMENT	1,236.74	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00
Total Dept 344 - HAZMAT		1,236.74	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
TOTAL EXPENDITURES		1,236.74	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
Fund 208 - HAZMAT FUND:								
TOTAL REVENUES		8,119.21	6,120.00	6,120.00	11.36	11.36	6,108.64	0.19
TOTAL EXPENDITURES		1,236.74	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
NET OF REVENUES & EXPENDITURES		6,882.47	(1,880.00)	(1,880.00)	11.36	11.36	(1,891.36)	0.60

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 208 - HAZMAT FUND			
208-000-015-005	MM LAKE MICH CR UN 112010265771	38,337.00	
208-000-390-000	FUND BALANCE		31,443.17
208-000-665-000	HAZMAT INTEREST		11.36
Total Fund 208 - HAZMAT FUND		38,337.00	38,337.00
NET OF REVENUES/EXPENDITURES - 2020			6,882.47

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 208 - HAZMAT FUND		
*** Assets ***		
208-000-015-005	MM LAKE MICH CR UN 112010265771	38,337.00
	Total Assets	<u>38,337.00</u>
*** Liabilities ***		
	Total Liabilities	<u>0.00</u>
*** Fund Balance ***		
208-000-390-000	FUND BALANCE	31,443.17
	Total Fund Balance	<u>31,443.17</u>
	Beginning Fund Balance - 2020	<u>31,443.17</u>
	Net of Revenues VS Expenditures - 2020	6,882.47
	*2020 End FB/2021 Beg FB	38,325.64
	Net of Revenues VS Expenditures - Current Year	11.36
	Ending Fund Balance	38,337.00
	Total Liabilities And Fund Balance	<u>38,337.00</u>

* Year Not Closed

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
PRE-AUDIT

GL NUMBER	DESCRIPTION	2020	2021	2021	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	BUDGET	AMENDED BUDGET	02/28/2021 NORM (ABNORM)	MONTH 02/28/21 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 209 - CCT OPEN SPACE								
Revenues								
Dept 000								
209-000-401-402	TAX LEVY	334,277.37	347,090.00	347,090.00	317,195.83	112,180.66	29,894.17	91.39
209-000-401-410	PERSONAL PROPERTY TAX	22,914.12	24,623.00	24,623.00	20,130.84	15,459.50	4,492.16	81.76
209-000-401-412	DELINQUENT TAXES-LEVY	616.78	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
209-000-401-437	ABATEMENT TAXES-LEVY	2,814.01	4,102.00	4,102.00	3,507.53	3,496.56	594.47	85.51
209-000-401-445	INTEREST & PENALTIES ON TAXES	60.90	75.00	75.00	0.00	0.00	75.00	0.00
209-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	16,694.72	12,521.00	12,521.00	0.00	0.00	12,521.00	0.00
209-000-665-000	INTEREST ON INVESTMENTS	2,175.67	500.00	500.00	(0.55)	(0.55)	500.55	(0.11)
209-000-665-408	INTEREST ON HOMEYER FUND	2,496.71	1,000.00	1,000.00	24.00	24.00	976.00	2.40
209-000-671-674	DONATIONS - HOMEYER	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000		386,050.28	390,911.00	390,911.00	340,857.65	131,160.17	50,053.35	87.20
TOTAL REVENUES		386,050.28	390,911.00	390,911.00	340,857.65	131,160.17	50,053.35	87.20
Expenditures								
Dept 751 - OPEN SPACE PRESERVATION								
209-751-921-000	ELECTRICITY	2,966.99	2,800.00	2,800.00	577.69	279.20	2,222.31	20.63
209-751-923-000	HEATING/UTILITY	987.69	1,000.00	1,000.00	319.24	319.24	680.76	31.92
209-751-927-000	WATER-SEWER	1,181.88	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
209-751-935-000	PARK MAINTENANCE	19,794.97	20,000.00	20,000.00	250.00	125.00	19,750.00	1.25
209-751-950-000	TAX REFUNDS	11.02	250.00	250.00	0.00	0.00	250.00	0.00
Total Dept 751 - OPEN SPACE PRESERVATION		24,942.55	25,050.00	25,050.00	1,146.93	723.44	23,903.07	4.58
Dept 901 - CAPITAL OUTLAY								
209-901-970-000	CAPITAL OUTLAY - FFE	25,455.94	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 901 - CAPITAL OUTLAY		25,455.94	0.00	0.00	0.00	0.00	0.00	0.00
Dept 990 - DEBT SERVICE								
209-990-991-201	BOND PRINCIPAL REFINANCE	274,000.00	279,000.00	279,000.00	0.00	0.00	279,000.00	0.00
209-990-992-201	BOND INTEREST REFINANCE	49,104.31	43,873.00	43,873.00	0.00	0.00	43,873.00	0.00
Total Dept 990 - DEBT SERVICE		323,104.31	322,873.00	322,873.00	0.00	0.00	322,873.00	0.00
TOTAL EXPENDITURES		373,502.80	347,923.00	347,923.00	1,146.93	723.44	346,776.07	0.33
Fund 209 - CCT OPEN SPACE:								
TOTAL REVENUES		386,050.28	390,911.00	390,911.00	340,857.65	131,160.17	50,053.35	87.20
TOTAL EXPENDITURES		373,502.80	347,923.00	347,923.00	1,146.93	723.44	346,776.07	0.33
NET OF REVENUES & EXPENDITURES		12,547.48	42,988.00	42,988.00	339,710.72	130,436.73	(296,722.72)	790.25

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 209 - CCT OPEN SPACE			
209-000-001-100	CASH -CHEM	726,383.62	
209-000-001-550	MI CLASS CASH - POOL ACCT/HOMEYER	380,183.14	
209-000-390-000	FUND BALANCE		397,896.44
209-000-391-004	FUND BALANCE - COMMITTTED HOMEYER 12/15		356,412.12
209-000-401-402	TAX LEVY		317,195.83
209-000-401-410	PERSONAL PROPERTY TAX		20,130.84
209-000-401-437	ABATEMENT TAXES-LEVY		3,507.53
209-000-665-000	INTEREST ON INVESTMENTS	0.55	
209-000-665-408	INTEREST ON HOMEYER FUND		24.00
209-751-921-000	ELECTRICITY	577.69	
209-751-923-000	HEATING/UTILITY	319.24	
209-751-935-000	PARK MAINTENANCE	250.00	
Total Fund 209 - CCT OPEN SPACE		1,107,714.24	1,107,714.24
NET OF REVENUES/EXPENDITURES - 2020			12,547.48

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 209 - CCT OPEN SPACE		
*** Assets ***		
209-000-001-100	CASH -CHEM	726,383.62
209-000-001-550	MI CLASS CASH - POOL ACCT/HOMEYER	380,183.14
	Total Assets	1,106,566.76
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
209-000-390-000	FUND BALANCE	397,896.44
209-000-391-004	FUND BALANCE - COMMITTED HOMEYER 12/1'	356,412.12
	Total Fund Balance	754,308.56
	Beginning Fund Balance - 2020	754,308.56
	Net of Revenues VS Expenditures - 2020	12,547.48
	*2020 End FB/2021 Beg FB	766,856.04
	Net of Revenues VS Expenditures - Current Year	339,710.72
	Ending Fund Balance	1,106,566.76
	Total Liabilities And Fund Balance	1,106,566.76

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020	2021	2021	YTD BALANCE		ACTIVITY FOR		AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	BUDGET	AMENDED BUDGET	02/28/2021	02/28/2021	MONTH 02/28/21	MONTH 02/28/21	BALANCE	
					NORM (ABNORM)		INCR (DECR)	NORM (ABNORM)		
Fund 211 - DAM MAJOR REPAIR FUND										
Revenues										
Dept 000										
211-000-665-000	INTEREST REVENUE	15,093.90	8,000.00	8,000.00	10.82		10.82		7,989.18	0.14
211-000-675-000	CONTRIBUTIONS	5,000.00	5,000.00	5,000.00	0.00		0.00		5,000.00	0.00
211-000-699-101	TRANSFER FROM GENERAL FUND	40,000.00	40,000.00	40,000.00	0.00		0.00		40,000.00	0.00
Total Dept 000		60,093.90	53,000.00	53,000.00	10.82		10.82		52,989.18	0.02
TOTAL REVENUES		60,093.90	53,000.00	53,000.00	10.82		10.82		52,989.18	0.02
Expenditures										
Dept 901 - CAPITAL OUTLAY										
211-901-980-000	EXPENSES/DAM MAJOR REPAIR	277,008.70	85,000.00	85,000.00	0.00		0.00		85,000.00	0.00
Total Dept 901 - CAPITAL OUTLAY		277,008.70	85,000.00	85,000.00	0.00		0.00		85,000.00	0.00
TOTAL EXPENDITURES		277,008.70	85,000.00	85,000.00	0.00		0.00		85,000.00	0.00
Fund 211 - DAM MAJOR REPAIR FUND:										
TOTAL REVENUES		60,093.90	53,000.00	53,000.00	10.82		10.82		52,989.18	0.02
TOTAL EXPENDITURES		277,008.70	85,000.00	85,000.00	0.00		0.00		85,000.00	0.00
NET OF REVENUES & EXPENDITURES		(216,914.80)	(32,000.00)	(32,000.00)	10.82		10.82		(32,010.82)	0.03

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 211 - DAM MAJOR REPAIR FUND			
211-000-001-510	MI CLASS CASH - POOL ACCOUNTS	169,883.14	
211-000-003-014	CD - LAKE MICH CR UN 3/10/2020	341,374.61	
211-000-390-000	FUND BALANCE		478,161.73
211-000-391-001	FUND BALANCE-COMMITTED/FUTURE REPAIRS12		250,000.00
211-000-665-000	INTEREST REVENUE		10.82
Total Fund 211 - DAM MAJOR REPAIR FUND		728,172.55	728,172.55
DEFICIENCY OF REVENUES/EXPENDITURES - 2020		216,914.80	

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 211 - DAM MAJOR REPAIR FUND		
*** Assets ***		
211-000-001-510	MI CLASS CASH - POOL ACCOUNTS	169,883.14
211-000-003-014	CD - LAKE MICH CR UN 3/10/2020	341,374.61
	Total Assets	<u>511,257.75</u>
*** Liabilities ***		
	Total Liabilities	<u>0.00</u>
*** Fund Balance ***		
211-000-390-000	FUND BALANCE	478,161.73
211-000-391-001	FUND BALANCE-COMMITTED/FUTURE REPAIRS1	250,000.00
	Total Fund Balance	<u>728,161.73</u>
	Beginning Fund Balance - 2020	<u>728,161.73</u>
	Net of Revenues VS Expenditures - 2020	(216,914.80)
	*2020 End FB/2021 Beg FB	511,246.93
	Net of Revenues VS Expenditures - Current Year	10.82
	Ending Fund Balance	511,257.75
	Total Liabilities And Fund Balance	<u>511,257.75</u>

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 216 - PATHWAYS FUND								
Revenues								
Dept 000								
216-000-401-402	TAX LEVY	510,958.42	530,414.00	530,414.00	484,748.78	171,426.08	45,665.22	91.39
216-000-401-410	PERSONAL PROPERTY TAX	35,024.13	37,626.00	37,626.00	30,762.19	23,623.68	6,863.81	81.76
216-000-401-412	DELINQUENT TAX LEVY	943.33	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00
216-000-401-437	ABATEMENT TAXES-LEVY	4,300.98	6,269.00	6,269.00	5,359.84	5,343.07	909.16	85.50
216-000-401-445	PENALTIES & INTEREST ON TAX	93.11	120.00	120.00	0.00	0.00	120.00	0.00
216-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	25,515.92	18,870.00	18,870.00	0.00	0.00	18,870.00	0.00
216-000-665-000	INTEREST REVENUE	55,630.39	10,500.00	10,500.00	19.75	19.75	10,480.25	0.19
216-000-699-216	TRANSFER FROM PATHWAYS	(181,176.91)	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000		451,289.37	604,999.00	604,999.00	520,890.56	200,412.58	84,108.44	86.10
TOTAL REVENUES		451,289.37	604,999.00	604,999.00	520,890.56	200,412.58	84,108.44	86.10
Expenditures								
Dept 758 - PATHWAYS								
216-758-728-000	OPERATING SUPPLIES	7,335.55	18,000.00	18,000.00	7,472.09	7,096.84	10,527.91	41.51
216-758-821-100	ENGINEERING	1,975.00	15,000.00	15,000.00	135,994.64	1,157.00	(120,994.64)	906.63
216-758-931-000	MAINT & REPAIR	112,793.70	100,000.00	100,000.00	(14,370.29)	(14,500.00)	114,370.29	(14.37)
216-758-931-200	PATHWAY MAINTENANCE	50,974.00	50,974.00	50,974.00	0.00	0.00	50,974.00	0.00
216-758-950-000	PROPERTY TAX REFUNDS	7.18	300.00	300.00	0.00	0.00	300.00	0.00
Total Dept 758 - PATHWAYS		173,085.43	184,274.00	184,274.00	129,096.44	(6,246.16)	55,177.56	70.06
Dept 901 - CAPITAL OUTLAY								
216-901-970-000	CAPITAL OUTLAY - FFE	13,669.26	34,000.00	34,000.00	0.00	0.00	34,000.00	0.00
216-901-974-000	CAPITAL OUTLAY - LANDIMP	1,622,598.76	0.00	0.00	39,583.22	33,694.55	(39,583.22)	100.00
Total Dept 901 - CAPITAL OUTLAY		1,636,268.02	34,000.00	34,000.00	39,583.22	33,694.55	(5,583.22)	116.42
TOTAL EXPENDITURES		1,809,353.45	218,274.00	218,274.00	168,679.66	27,448.39	49,594.34	77.28
Fund 216 - PATHWAYS FUND:								
TOTAL REVENUES		451,289.37	604,999.00	604,999.00	520,890.56	200,412.58	84,108.44	86.10
TOTAL EXPENDITURES		1,809,353.45	218,274.00	218,274.00	168,679.66	27,448.39	49,594.34	77.28
NET OF REVENUES & EXPENDITURES		(1,358,064.08)	386,725.00	386,725.00	352,210.90	172,964.19	34,514.10	91.08

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 216 - PATHWAYS FUND			
216-000-001-510	MI CLASS CASH - POOL ACCOUNTS	108,665.67	
216-000-003-016	CD- ADVENTURE CU M 4/09/20	563,499.08	
216-000-003-038	GRAND RIVER BANK M 10/4/19	518,170.99	
216-000-015-025	PATHWAYS M/M MACATAWA BANK		89,148.42
216-000-202-000	ACCOUNTS PAYABLE		88,939.25
216-000-390-000	FUND BALANCE		2,018,101.25
216-000-401-402	TAX LEVY		484,748.78
216-000-401-410	PERSONAL PROPERTY TAX		30,762.19
216-000-401-437	ABATEMENT TAXES-LEVY		5,359.84
216-000-665-000	INTEREST REVENUE		19.75
216-758-728-000	OPERATING SUPPLIES	7,472.09	
216-758-821-100	ENGINEERING	135,994.64	
216-758-931-000	MAINT & REPAIR		14,370.29
216-901-974-000	CAPITAL OUTLAY - LANDIMP	39,583.22	
Total Fund 216 - PATHWAYS FUND		2,731,449.77	2,731,449.77
DEFICIENCY OF REVENUES/EXPENDITURES - 2020		1,358,064.08	

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 216 - PATHWAYS FUND		
*** Assets ***		
216-000-001-510	MI CLASS CASH - POOL ACCOUNTS	108,665.67
216-000-003-016	CD- ADVENTURE CU M 4/09/20	563,499.08
216-000-003-038	GRAND RIVER BANK M 10/4/19	518,170.99
216-000-015-025	PATHWAYS M/M MACATAWA BANK	(89,148.42)
	Total Assets	1,101,187.32
*** Liabilities ***		
216-000-202-000	ACCOUNTS PAYABLE	88,939.25
	Total Liabilities	88,939.25
*** Fund Balance ***		
216-000-390-000	FUND BALANCE	2,018,101.25
	Total Fund Balance	2,018,101.25
	Beginning Fund Balance - 2020	2,018,101.25
	Net of Revenues VS Expenditures - 2020	(1,358,064.08)
	*2020 End FB/2021 Beg FB	660,037.17
	Net of Revenues VS Expenditures - Current Year	352,210.90
	Ending Fund Balance	1,012,248.07
	Total Liabilities And Fund Balance	1,101,187.32

* Year Not Closed

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
PRE-AUDIT

GL NUMBER	DESCRIPTION	2020	2021	2021	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	BUDGET	AMENDED BUDGET	02/28/2021 NORM (ABNORM)	MONTH 02/28/21 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 246 - IRF								
Revenues								
Dept 000								
246-000-630-000	HOOKUP FEES	370,576.00	200,000.00	200,000.00	8,800.00	4,400.00	191,200.00	4.40
246-000-665-000	INTEREST ON INVESTMENTS	26,255.82	20,000.00	20,000.00	201.57	201.57	19,798.43	1.01
246-000-669-000	INT & P S/A-ORDINANCE	6,645.57	1,000.00	1,000.00	5,924.56	1,881.72	(4,924.56)	592.46
246-000-672-008	S/A REVENUE-INACTIVE	0.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
246-000-672-010	S/A REVENUE - KRAFT WATER & 60TH	18,670.49	0.00	0.00	0.00	0.00	0.00	0.00
246-000-672-011	S/A REVENUE - OAK TERRACE	0.00	6,500.00	6,500.00	0.00	0.00	6,500.00	0.00
246-000-672-012	S/A REVENUE - TRD	18,374.24	12,500.00	12,500.00	0.00	0.00	12,500.00	0.00
Total Dept 000		440,522.12	241,000.00	241,000.00	14,926.13	6,483.29	226,073.87	6.19
TOTAL REVENUES		440,522.12	241,000.00	241,000.00	14,926.13	6,483.29	226,073.87	6.19
Expenditures								
Dept 295 - ADMINISTRATIVE								
246-295-821-000	ADMIN ENGINEERING COSTS	7,376.00	15,000.00	15,000.00	5,123.00	5,123.00	9,877.00	34.15
246-295-826-000	ADMIN LEGAL FEES	0.00	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
246-295-964-000	ADMIN 10%/HOOKUP TO GENERAL	37,167.60	20,000.00	20,000.00	0.00	0.00	20,000.00	0.00
246-295-980-000	ADMIN MISCELLANEOUS EXPENSE	0.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
Total Dept 295 - ADMINISTRATIVE		44,543.60	38,500.00	38,500.00	5,123.00	5,123.00	33,377.00	13.31
Dept 901 - CAPITAL OUTLAY								
246-901-974-000	CAPITAL OUTLAY - LANDIMP	30,581.54	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 901 - CAPITAL OUTLAY		30,581.54	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL EXPENDITURES		75,125.14	38,500.00	38,500.00	5,123.00	5,123.00	33,377.00	13.31
Fund 246 - IRF:								
TOTAL REVENUES		440,522.12	241,000.00	241,000.00	14,926.13	6,483.29	226,073.87	6.19
TOTAL EXPENDITURES		75,125.14	38,500.00	38,500.00	5,123.00	5,123.00	33,377.00	13.31
NET OF REVENUES & EXPENDITURES		365,396.98	202,500.00	202,500.00	9,803.13	1,360.29	192,696.87	4.84

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 246 - IRF			
246-000-001-510	MI CLASS CASH - POOL ACCOUNTS	851,387.77	
246-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	704,362.19	
246-000-003-018	CD - CHEMICAL BANK 1/5/20	532,500.72	
246-000-030-010	S/A RECEIVABLE- KRAFT & 60TH IMPRV 2014	253,918.66	
246-000-030-011	S/A RECEIVABLE- OAK TERRACE	4,656.52	
246-000-030-012	TRD SEWER	186,429.41	
246-000-040-006	ACCOUNTS RECEIVABLE-DELQ USAGE		188.22
246-000-202-000	ACCOUNTS PAYABLE		462.50
246-000-339-010	DEFERRED REVENUE- KRAFT & 60TH IMPROVEMT		253,918.66
246-000-339-011	DEFERRED REVENUE- OAK TERRRACE		6,984.76
246-000-339-012	DEFERRED REVENUE TRD SEWER		196,883.33
246-000-390-000	FUND BALANCE		1,699,617.69
246-000-630-000	HOOKUP FEES		8,800.00
246-000-665-000	INTEREST ON INVESTMENTS		201.57
246-000-669-000	INT & P S/A-ORDINANCE		5,924.56
246-295-821-000	ADMIN ENGINEERING COSTS	5,123.00	
Total Fund 246 - IRF		2,538,378.27	2,538,378.27
NET OF REVENUES/EXPENDITURES - 2020			365,396.98

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 246 - IRF		
*** Assets ***		
246-000-001-510	MI CLASS CASH - POOL ACCOUNTS	851,387.77
246-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	704,362.19
246-000-003-018	CD - CHEMICAL BANK 1/5/20	532,500.72
246-000-030-010	S/A RECEIVABLE- KRAFT & 60TH IMPRV 2014	253,918.66
246-000-030-011	S/A RECEIVABLE- OAK TERRACE	4,656.52
246-000-030-012	TRD SEWER	186,429.41
246-000-040-006	ACCOUNTS RECEIVABLE-DELQ USAGE	(188.22)
	Total Assets	2,533,067.05
*** Liabilities ***		
246-000-202-000	ACCOUNTS PAYABLE	462.50
246-000-339-010	DEFERRED REVENUE- KRAFT & 60TH IMPROVEM	253,918.66
246-000-339-011	DEFERRED REVENUE- OAK TERRRACE	6,984.76
246-000-339-012	DEFERRED REVENUE TRD SEWER	196,883.33
	Total Liabilities	458,249.25
*** Fund Balance ***		
246-000-390-000	FUND BALANCE	1,699,617.69
	Total Fund Balance	1,699,617.69
	Beginning Fund Balance - 2020	1,699,617.69
	Net of Revenues VS Expenditures - 2020	365,396.98
	*2020 End FB/2021 Beg FB	2,065,014.67
	Net of Revenues VS Expenditures - Current Year	9,803.13
	Ending Fund Balance	2,074,817.80
	Total Liabilities And Fund Balance	2,533,067.05

* Year Not Closed

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 248 - DDA								
Revenues								
Dept 000								
248-000-401-401	TAXES - CASCADE TOWNSHIP	289,975.01	311,182.00	311,182.00	305,780.31	305,780.31	5,401.69	98.26
248-000-401-402	TAXES - G.R.C.C.	157,547.56	159,934.00	159,934.00	(2,737.74)	(2,737.74)	162,671.74	(1.71)
248-000-401-403	TAXES-KENT COUNTY	543,392.74	559,777.00	559,777.00	168,124.58	168,124.58	391,652.42	30.03
248-000-401-406	KDL TAXES-DDA	106,038.58	113,574.00	113,574.00	111,601.70	111,601.70	1,972.30	98.26
248-000-665-000	INTEREST REVENUE	24,722.14	15,000.00	15,000.00	80.85	80.85	14,919.15	0.54
248-000-667-001	RENT-TUFFY	71,835.48	69,122.00	69,122.00	11,432.20	5,661.10	57,689.80	16.54
248-000-671-671	MISCELLANEOUS INCOME	8,111.30	0.00	0.00	3,063.94	3,063.94	(3,063.94)	100.00
248-000-675-300	DDACONTRIB & DONATION- METRO CRUISE V	0.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
248-000-699-000	TRANSFER IN	181,176.91	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000		1,382,799.72	1,233,589.00	1,233,589.00	597,345.84	591,574.74	636,243.16	48.42
TOTAL REVENUES		1,382,799.72	1,233,589.00	1,233,589.00	597,345.84	591,574.74	636,243.16	48.42
Expenditures								
Dept 170 - DDA OPERATIONS/CONSTRUCTION								
248-170-723-000	DDA - MEMBERSHIP AND DUES	1,568.60	1,220.00	1,220.00	0.00	0.00	1,220.00	0.00
248-170-724-000	DDA - EDUCATION	500.00	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00
248-170-787-000	MISCELLANEOUS	11,785.98	7,000.00	7,000.00	135.00	135.00	6,865.00	1.93
248-170-802-300	DDA ADMINISTRATIVE	99,426.00	99,426.00	99,426.00	0.00	0.00	99,426.00	0.00
248-170-821-000	ENGINEERING	(19,255.00)	75,000.00	75,000.00	3,308.00	3,308.00	71,692.00	4.41
248-170-826-265	LEGAL	2,185.00	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00
248-170-860-000	DDA - MILEAGE	40.83	400.00	400.00	0.00	0.00	400.00	0.00
248-170-861-100	BUS SERVICE 28TH ST	178,334.82	214,712.00	214,712.00	31,535.04	15,767.52	183,176.96	14.69
248-170-921-000	ELECTRICITY	23,802.22	20,000.00	20,000.00	4,944.23	2,382.44	15,055.77	24.72
248-170-922-000	STREETLIGHTS	0.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
248-170-924-100	CELL PHONES	792.20	850.00	850.00	70.02	70.02	779.98	8.24
248-170-927-000	WATER-SEWER	6,458.81	6,500.00	6,500.00	10.06	10.06	6,489.94	0.15
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	36,844.64	35,000.00	35,000.00	223.49	209.50	34,776.51	0.64
248-170-931-300	DDA REPAIR & MAINT- METRO CRUISE WU	0.00	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
248-170-950-000	DDA PROPERTY TAX REFUNDS	11,768.74	50,000.00	50,000.00	0.00	0.00	50,000.00	0.00
248-170-967-000	SPECIAL PROJECTS	19,887.06	71,700.00	71,700.00	0.00	0.00	71,700.00	0.00
248-170-981-000	OFFICE EQUIPMENT	1,103.58	1,000.00	1,000.00	1,138.86	0.00	(138.86)	113.89
Total Dept 170 - DDA OPERATIONS/CONSTRUCTION		375,243.48	600,308.00	600,308.00	41,364.70	21,882.54	558,943.30	6.89
Dept 901 - CAPITAL OUTLAY								
248-901-970-000	CAPITAL OUTLAY - FFE	0.00	230,000.00	230,000.00	0.00	0.00	230,000.00	0.00
248-901-974-000	CAPITAL OUTLAY - LANDIMP	395,807.84	0.00	0.00	3,913.35	3,913.35	(3,913.35)	100.00
Total Dept 901 - CAPITAL OUTLAY		395,807.84	230,000.00	230,000.00	3,913.35	3,913.35	226,086.65	1.70
Dept 990 - DEBT SERVICE								
248-990-992-003	MUN BOND 2010 /PRINCIPAL	103,000.00	0.00	0.00	0.00	0.00	0.00	0.00
248-990-992-007	LOAN PRINCIPAL	61,299.99	70,000.00	70,000.00	0.00	0.00	70,000.00	0.00
248-990-996-001	INTEREST AND FEES	20,366.68	24,050.00	24,050.00	0.00	0.00	24,050.00	0.00
248-990-996-003	MUN BOND 2010 / INT & FEES	3,832.60	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 990 - DEBT SERVICE		188,499.27	94,050.00	94,050.00	0.00	0.00	94,050.00	0.00
TOTAL EXPENDITURES		959,550.59	924,358.00	924,358.00	45,278.05	25,795.89	879,079.95	4.90
Fund 248 - DDA:								
TOTAL REVENUES		1,382,799.72	1,233,589.00	1,233,589.00	597,345.84	591,574.74	636,243.16	48.42
TOTAL EXPENDITURES		959,550.59	924,358.00	924,358.00	45,278.05	25,795.89	879,079.95	4.90
NET OF REVENUES & EXPENDITURES		423,249.13	309,231.00	309,231.00	552,067.79	565,778.85	(242,836.79)	178.53

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 248 - DDA			
248-000-001-510	MI CLASS CASH - POOL ACCOUNTS	829,391.52	
248-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	675,754.54	
248-000-003-035	ADVENTURE CU CD M 2/24/20	213,640.41	
248-000-003-040	CD - UNION BANK M 8/26/20	260,171.62	
248-000-015-010	OPTION 1 CR UN-MM	5.00	
248-000-202-000	ACCOUNTS PAYABLE		1,295.50
248-000-390-000	FUND BALANCE - UNASSIGNED		1,002,350.67
248-000-401-401	TAXES - CASCADE TOWNSHIP		305,780.31
248-000-401-402	TAXES - G.R.C.C.	2,737.74	
248-000-401-403	TAXES-KENT COUNTY		168,124.58
248-000-401-406	KDL TAXES-DDA		111,601.70
248-000-665-000	INTEREST REVENUE		80.85
248-000-667-001	RENT-TUFFY		11,432.20
248-000-671-671	MISCELLANEOUS INCOME		3,063.94
248-170-787-000	MISCELLANEOUS	135.00	
248-170-821-000	ENGINEERING	3,308.00	
248-170-861-100	BUS SERVICE 28TH ST	31,535.04	
248-170-921-000	ELECTRICITY	4,944.23	
248-170-924-100	CELL PHONES	70.02	
248-170-927-000	WATER-SEWER	10.06	
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	223.49	
248-170-981-000	OFFICE EQUIPMENT	1,138.86	
248-901-974-000	CAPITAL OUTLAY - LANDIMP	3,913.35	
Total Fund 248 - DDA		2,026,978.88	2,026,978.88
NET OF REVENUES/EXPENDITURES - 2020			423,249.13

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 248 - DDA		
*** Assets ***		
248-000-001-510	MI CLASS CASH - POOL ACCOUNTS	829,391.52
248-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	675,754.54
248-000-003-035	ADVENTURE CU CD M 2/24/20	213,640.41
248-000-003-040	CD - UNION BANK M 8/26/20	260,171.62
248-000-015-010	OPTION 1 CR UN-MM	5.00
	Total Assets	1,978,963.09
*** Liabilities ***		
248-000-202-000	ACCOUNTS PAYABLE	1,295.50
	Total Liabilities	1,295.50
*** Fund Balance ***		
248-000-390-000	FUND BALANCE - UNASSIGNED	1,002,350.67
	Total Fund Balance	1,002,350.67
	Beginning Fund Balance - 2020	1,002,350.67
	Net of Revenues VS Expenditures - 2020	423,249.13
	*2020 End FB/2021 Beg FB	1,425,599.80
	Net of Revenues VS Expenditures - Current Year	552,067.79
	Ending Fund Balance	1,977,667.59
	Total Liabilities And Fund Balance	1,978,963.09

* Year Not Closed

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 249 - BUILDING FUND								
Revenues								
Dept 000								
249-000-600-644	NSF FEES	0.00	50.00	50.00	0.00	0.00	50.00	0.00
249-000-607-483	CASCADE TWP BLDG COM PERMITS	98,351.00	155,000.00	155,000.00	2,490.00	1,610.00	152,510.00	1.61
249-000-607-484	CASCADE TWP BLDG RES PERMITS	93,806.00	85,000.00	85,000.00	11,205.00	6,352.00	73,795.00	13.18
249-000-607-485	CASCADE TWP ELECTRICAL PERMITS	61,566.00	80,000.00	80,000.00	11,531.00	4,979.00	68,469.00	14.41
249-000-607-486	CASCADE TWP MECHANICAL PERMITS	93,074.30	95,000.00	95,000.00	12,277.00	6,625.00	82,723.00	12.92
249-000-607-487	CASCADE TWP PLUMBING PERMITS	46,078.00	50,000.00	50,000.00	5,207.00	2,654.00	44,793.00	10.41
249-000-607-488	CASCADE - PR	33,830.00	35,000.00	35,000.00	960.00	735.00	34,040.00	2.74
249-000-607-490	CASCADE TWP CONTRACTOR REG	8,640.00	8,500.00	8,500.00	1,320.00	525.00	7,180.00	15.53
249-000-607-500	LOWELL TWP BUILDING PERMITS	49,630.00	55,000.00	55,000.00	13,876.00	8,042.00	41,124.00	25.23
249-000-607-501	LOWELL TWP ELECTRICAL PERMITS	16,338.00	25,000.00	25,000.00	4,747.00	1,748.00	20,253.00	18.99
249-000-607-502	LOWELL TWP MECHANICAL PERMITS	18,345.00	20,000.00	20,000.00	4,115.00	2,480.00	15,885.00	20.58
249-000-607-503	LOWELL TWP PLUMBING PERMITS	12,590.00	15,000.00	15,000.00	3,302.00	447.00	11,698.00	22.01
249-000-607-504	LOWELL TWP - PR	320.00	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00
249-000-607-511	VERGENNES TWP ELECTRICAL PERMITS	14,688.00	13,000.00	13,000.00	1,807.00	473.00	11,193.00	13.90
249-000-607-512	VERGENNES TWP MECHANICAL PERMITS	14,705.00	13,000.00	13,000.00	2,730.00	405.00	10,270.00	21.00
249-000-607-516	VERGENNES TWP PLUMBING PERMITS	9,371.00	9,000.00	9,000.00	707.00	334.00	8,293.00	7.86
249-000-607-520	ADA TWP BUILDING PERMITS	128,900.00	130,000.00	130,000.00	18,136.00	5,507.00	111,864.00	13.95
249-000-607-521	ADA TWP PLUMBING PERMITS	28,862.00	40,000.00	40,000.00	3,319.00	1,209.00	36,681.00	8.30
249-000-607-523	ADA TWP ELECTRICAL PERMITS	48,619.00	50,000.00	50,000.00	7,541.00	2,021.00	42,459.00	15.08
249-000-607-524	ADA TWP MECHANICAL PERMITS	62,077.50	55,000.00	55,000.00	8,316.00	4,631.00	46,684.00	15.12
249-000-607-525	ADA TWP - PR	24,715.00	20,000.00	20,000.00	3,483.00	397.00	16,517.00	17.42
249-000-607-531	GR TWP BUILDING PERMITS	207,670.00	120,000.00	120,000.00	9,598.00	4,908.00	110,402.00	8.00
249-000-607-532	GR TWP ELECTRICAL PERMITS	49,822.85	55,000.00	55,000.00	5,854.00	1,697.00	49,146.00	10.64
249-000-607-533	GR TWP MECHANICAL PERMITS	57,115.75	65,000.00	65,000.00	20,613.25	12,225.00	44,386.75	31.71
249-000-607-534	GR TWP PLUMBING PERMITS	35,356.00	40,000.00	40,000.00	4,607.00	2,022.00	35,393.00	11.52
249-000-607-535	GRT - PR	55,950.00	20,000.00	20,000.00	1,063.00	900.00	18,937.00	5.32
249-000-607-536	EAST GR BUILDING PERMITS	75,852.00	65,000.00	65,000.00	6,106.00	1,515.00	58,894.00	9.39
249-000-607-537	EAST GR ELECTRICAL PERMITS	32,461.00	35,000.00	35,000.00	8,287.00	3,552.00	26,713.00	23.68
249-000-607-538	EAST GR MECHANICAL PERMITS	43,400.00	40,000.00	40,000.00	6,560.00	3,090.00	33,440.00	16.40
249-000-607-539	EAST GR PLUMBING PERMITS	20,150.00	25,000.00	25,000.00	5,008.00	2,424.00	19,992.00	20.03
249-000-607-540	EGR - PR	5,631.00	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
249-000-607-541	EAST GR-RENTAL INSP	4,200.00	4,000.00	4,000.00	130.00	130.00	3,870.00	3.25
249-000-607-551	PLAINFIELD - ELECTRICAL PERMITS	83,587.00	90,000.00	90,000.00	15,911.00	6,330.00	74,089.00	17.68
249-000-607-552	PLAINFIELD MECHANICAL PERMITS	111,668.25	110,000.00	110,000.00	19,765.00	10,000.00	90,235.00	17.97
249-000-607-553	PLAINFIELD - PLUMBING PERMITS	60,426.00	60,000.00	60,000.00	8,246.00	3,953.00	51,754.00	13.74
249-000-607-555	PLAINFIELD INSPECTION FEES -NP	250.00	5,000.00	5,000.00	400.00	0.00	4,600.00	8.00
249-000-607-556	WYOMING INSPECTIONS	0.00	0.00	0.00	5,960.00	5,960.00	(5,960.00)	100.00
249-000-665-000	INTEREST REVENUE	69,229.12	35,000.00	35,000.00	20.58	20.58	34,979.42	0.06
249-000-671-671	MISCELLANEOUS INCOME	2,263.94	1,500.00	1,500.00	550.00	300.00	950.00	36.67
Total Dept 000		1,779,538.71	1,739,050.00	1,739,050.00	235,747.83	110,200.58	1,503,302.17	13.56
TOTAL REVENUES		1,779,538.71	1,739,050.00	1,739,050.00	235,747.83	110,200.58	1,503,302.17	13.56
Expenditures								
Dept 371 - BUILDING DEPARTMENT								
249-371-702-000	WAGES- FULL TIME	758,817.36	880,223.00	880,223.00	91,834.74	59,248.24	788,388.26	10.43
249-371-703-200	ASSIGNABLE SALARY	0.00	16,432.00	16,432.00	0.00	0.00	16,432.00	0.00
249-371-704-000	WAGES- PART TIME	3,954.77	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
249-371-707-000	WAGES- CASUAL	6,608.00	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
249-371-723-000	MEMBERSHIPS AND DUES	1,669.94	4,000.00	4,000.00	704.94	220.00	3,295.06	17.62
249-371-724-000	EDUCATION	708.75	6,000.00	6,000.00	500.50	450.50	5,499.50	8.34
249-371-727-000	SUPPLIES	5,833.12	8,000.00	8,000.00	455.82	216.87	7,544.18	5.70
249-371-757-000	BOOKS	400.04	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00
249-371-768-000	DEPARTMENT UNIFORMS	4,025.40	4,800.00	4,800.00	156.15	156.15	4,643.85	3.25
249-371-787-000	MISCELLANEOUS	231.58	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
249-371-787-200	CREDIT CARD FEES	21,114.37	20,000.00	20,000.00	4,418.10	2,148.35	15,581.90	22.09
249-371-807-000	AUDIT FEES & SERVICES	940.00	940.00	940.00	0.00	0.00	940.00	0.00
249-371-810-000	LIABILITY INSURANCE	9,878.55	10,867.00	10,867.00	11,890.65	0.00	(1,023.65)	109.42
249-371-821-000	BLDG ENGINEERING	0.00	1,500.00	1,500.00	0.00	0.00	1,500.00	0.00
249-371-860-000	MILEAGE	54,333.62	60,000.00	60,000.00	6,765.92	2,190.72	53,234.08	11.28
249-371-862-500	DEPT HEAD, SUPV EXPENSES	0.00	500.00	500.00	209.80	0.00	290.20	41.96
249-371-924-000	PHONES	1,530.46	2,000.00	2,000.00	297.95	115.73	1,702.05	14.90
249-371-924-100	CELL PHONES	10,041.93	9,950.00	9,950.00	716.42	716.42	9,233.58	7.20
249-371-932-000	OFFICE EQUIP & COMPUTER REPAIR	0.00	7,000.00	7,000.00	8,102.60	0.00	(1,102.60)	115.75
249-371-939-000	SERVICE CONTRACTS	19,886.22	18,413.00	18,413.00	5,240.36	5,106.55	13,172.64	28.46
249-371-940-000	BUILDING RENTAL-LEASE	114,065.47	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00
249-371-941-000	POSTAGE & MACHINE LEASE	900.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
249-371-957-000	BLDG PHYSICAL EXAMS	0.00	750.00	750.00	0.00	0.00	750.00	0.00
249-371-967-000	BLDG - SPECIAL PROJECTS	0.00	15,000.00	15,000.00	0.00	0.00	15,000.00	0.00
249-371-981-000	OFFICE EQUIPMENT	1,085.26	4,000.00	4,000.00	4,555.44	0.00	(555.44)	113.89
Total Dept 371 - BUILDING DEPARTMENT		1,016,022.84	1,102,375.00	1,102,375.00	135,849.39	70,569.53	966,525.61	12.32
Dept 850 - BENEFITS/INSURANCE								
249-850-715-000	FICA-EMPLOYER	55,825.08	70,667.00	70,667.00	8,425.09	4,247.66	62,241.91	11.92
249-850-716-000	DEFINED CONTRIBUTION PLAN	97,271.95	118,411.00	118,411.00	17,073.14	4,977.56	101,337.86	14.42
249-850-717-000	WORKERS COMP INSURANCE	24,222.62	23,323.00	23,323.00	0.00	0.00	23,323.00	0.00
249-850-718-000	VISION INSURANCE BENEFITS	1,322.04	1,858.00	1,858.00	256.88	0.00	1,601.12	13.83
249-850-718-200	OTHER BENEFITS	14,000.00	18,200.00	18,200.00	15,400.00	0.00	2,800.00	84.62
249-850-718-300	OTHER BENEFITS- PTO BUYBACK PROGRAM	8,083.72	0.00	0.00	0.00	0.00	0.00	0.00
249-850-719-000	HEALTH INSURANCE BENEFITS	117,626.21	155,626.00	155,626.00	33,362.07	10,486.43	122,263.93	21.44
249-850-719-100	OPT-OUT INSURANCE	5,000.00	4,000.00	4,000.00	0.00	0.00	4,000.00	0.00
249-850-720-000	LIFE & DISABILITY INSURANCE	9,874.15	12,447.00	12,447.00	1,637.48	818.74	10,809.52	13.16
249-850-721-000	DENTAL INSURANCE BENEFITS	9,070.34	13,105.00	13,105.00	1,584.76	792.38	11,520.24	12.09
249-850-722-000	PENSION PLAN BENEFITS	45,168.00	45,168.00	45,168.00	7,348.06	3,674.03	37,819.94	16.27
Total Dept 850 - BENEFITS/INSURANCE		387,464.11	462,805.00	462,805.00	85,087.48	24,996.80	377,717.52	18.39
Dept 901 - CAPITAL OUTLAY								
249-901-975-000	CAPITAL OUTLAY - BLDGIMP	267,367.95	41,250.00	41,250.00	32,820.85	23,066.48	8,429.15	79.57
Total Dept 901 - CAPITAL OUTLAY		267,367.95	41,250.00	41,250.00	32,820.85	23,066.48	8,429.15	79.57

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
PRE-AUDIT

GL NUMBER	DESCRIPTION	2020	2021	2021	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	BUDGET	AMENDED BUDGET	02/28/2021 NORM (ABNORM)	MONTH 02/28/21 INCR (DECR)	BALANCE NORM (ABNORM)	
Dept 964 - PAYMENTS TO OTHER TOWNSHIPS								
249-964-964-100	PERMITS DUE TO LOWELL TWP	22,637.60	24,000.00	24,000.00	2,686.80	2,686.80	21,313.20	11.20
249-964-964-200	PERMITS DUE TO VERGENNES TWP	8,612.80	7,000.00	7,000.00	755.80	755.80	6,244.20	10.80
249-964-964-300	PERMITS DUE TO GR TWP	85,497.40	60,000.00	60,000.00	4,090.85	4,090.85	55,909.15	6.82
249-964-964-400	PERMITS DUE TO ADA TWP	62,256.50	59,000.00	59,000.00	5,491.80	5,491.80	53,508.20	9.31
249-964-964-500	PERMITS DUE TO EAST GR	39,915.40	35,000.00	35,000.00	3,110.00	3,110.00	31,890.00	8.89
249-964-964-600	PERMITS DUE PLAINFIELD	55,615.75	52,000.00	52,000.00	4,809.80	4,809.80	47,190.20	9.25
249-964-964-800	PERMITS DUE CASCADE TWP	99,135.36	100,000.00	100,000.00	4,227.00	4,227.00	95,773.00	4.23
Total Dept 964 - PAYMENTS TO OTHER TOWNSHIPS		373,670.81	337,000.00	337,000.00	25,172.05	25,172.05	311,827.95	7.47
TOTAL EXPENDITURES		2,044,525.71	1,943,430.00	1,943,430.00	278,929.77	143,804.86	1,664,500.23	14.35
Fund 249 - BUILDING FUND:								
TOTAL REVENUES		1,779,538.71	1,739,050.00	1,739,050.00	235,747.83	110,200.58	1,503,302.17	13.56
TOTAL EXPENDITURES		2,044,525.71	1,943,430.00	1,943,430.00	278,929.77	143,804.86	1,664,500.23	14.35
NET OF REVENUES & EXPENDITURES		(264,987.00)	(204,380.00)	(204,380.00)	(43,181.94)	(33,604.28)	(161,198.06)	21.13

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 249 - BUILDING FUND			
249-000-001-111	-CASH-RECEIVING - FLAGSTAR	20,164.75	
249-000-001-510	MI CLASS CASH - POOL ACCOUNTS	7,178.42	
249-000-002-001	CASH/SAVINGS- FLAGSTAR BANK		475.56
249-000-002-003	CONSUMERS CR UN SAVINGS	317,703.78	
249-000-003-001	CD - INDEPENDENT BANK M 6/19/21	321,327.11	
249-000-003-018	CD - CHEMICAL BANK M 4/30/21	307,919.91	
249-000-003-021	FNB OF MI M 2/11/20	556,467.53	
249-000-003-024	FIRST NATIONAL BANK OF AMERICA	654,398.37	
249-000-003-037	CHEMICAL BANK CD M 10/28/19	569,753.35	
249-000-202-000	ACCOUNTS PAYABLE		3,778.21
249-000-214-000	DUE TO OTHER FUNDS		34,236.71
249-000-237-000	DUE TO IRF SW CONNECTIONS		4,400.00
249-000-390-000	FUND BALANCE		2,020,191.68
249-000-391-001	FUND BAL- COMMITTED FUTURE FAC IMP 2018		1,000,000.00
249-000-607-483	CASCADE TWP BLDG COM PERMITS		2,490.00
249-000-607-484	CASCADE TWP BLDG RES PERMITS		11,205.00
249-000-607-485	CASCADE TWP ELECTRICAL PERMITS		11,531.00
249-000-607-486	CASCADE TWP MECHANICAL PERMITS		12,277.00
249-000-607-487	CASCADE TWP PLUMBING PERMITS		5,207.00
249-000-607-488	CASCADE - PR		960.00
249-000-607-490	CASCADE TWP CONTRACTOR REG		1,320.00
249-000-607-500	LOWELL TWP BUILDING PERMITS		13,876.00
249-000-607-501	LOWELL TWP ELECTRICAL PERMITS		4,747.00
249-000-607-502	LOWELL TWP MECHANICAL PERMITS		4,115.00
249-000-607-503	LOWELL TWP PLUMBING PERMITS		3,302.00
249-000-607-511	VERGENNES TWP ELECTRICAL PERMITS		1,807.00
249-000-607-512	VERGENNES TWP MECHANICAL PERMITS		2,730.00
249-000-607-516	VERGENNES TWP PLUMBING PERMITS		707.00
249-000-607-520	ADA TWP BUILDING PERMITS		18,136.00
249-000-607-521	ADA TWP PLUMBING PERMITS		3,319.00
249-000-607-523	ADA TWP ELECTRICAL PERMITS		7,541.00
249-000-607-524	ADA TWP MECHANICAL PERMITS		8,316.00
249-000-607-525	ADA TWP - PR		3,483.00
249-000-607-531	GR TWP BUILDING PERMITS		9,598.00
249-000-607-532	GR TWP ELECTRICAL PERMITS		5,854.00
249-000-607-533	GR TWP MECHANICAL PERMITS		20,613.25
249-000-607-534	GR TWP PLUMBING PERMITS		4,607.00
249-000-607-535	GRT - PR		1,063.00
249-000-607-536	EAST GR BUILDING PERMITS		6,106.00
249-000-607-537	EAST GR ELECTRICAL PERMITS		8,287.00
249-000-607-538	EAST GR MECHANICAL PERMITS		6,560.00
249-000-607-539	EAST GR PLUMBING PERMITS		5,008.00
249-000-607-541	EAST GR-RENTAL INSP		130.00
249-000-607-551	PLAINFIELD - ELECTRICAL PERMITS		15,911.00
249-000-607-552	PLAINFIELD MECHANICAL PERMITS		19,765.00
249-000-607-553	PLAINFIELD - PLUMBING PERMITS		8,246.00
249-000-607-555	PLAINFIELD INSPECTION FEES -NP		400.00
249-000-607-556	WYOMING INSPECTIONS		5,960.00

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
249-000-665-000	INTEREST REVENUE		20.58
249-000-671-671	MISCELLANEOUS INCOME		550.00
249-371-702-000	WAGES- FULL TIME	91,834.74	
249-371-723-000	MEMBERSHIPS AND DUES	704.94	
249-371-724-000	EDUCATION	500.50	
249-371-727-000	SUPPLIES	455.82	
249-371-768-000	DEPARTMENT UNIFORMS	156.15	
249-371-787-200	CREDIT CARD FEES	4,418.10	
249-371-810-000	LIABILITY INSURANCE	11,890.65	
249-371-860-000	MILEAGE	6,765.92	
249-371-862-500	DEPT HEAD, SUPV EXPENSES	209.80	
249-371-924-000	PHONES	297.95	
249-371-924-100	CELL PHONES	716.42	
249-371-932-000	OFFICE EQUIP & COMPUTER REPAIR	8,102.60	
249-371-939-000	SERVICE CONTRACTS	5,240.36	
249-371-981-000	OFFICE EQUIPMENT	4,555.44	
249-850-715-000	FICA-EMPLOYER	8,425.09	
249-850-716-000	DEFINED CONTRIBUTION PLAN	17,073.14	
249-850-718-000	VISION INSURANCE BENEFITS	256.88	
249-850-718-200	OTHER BENEFITS	15,400.00	
249-850-719-000	HEALTH INSURANCE BENEFITS	33,362.07	
249-850-720-000	LIFE & DISABILITY INSURANCE	1,637.48	
249-850-721-000	DENTAL INSURANCE BENEFITS	1,584.76	
249-850-722-000	PENSION PLAN BENEFITS	7,348.06	
249-901-975-000	CAPITAL OUTLAY - BLDGIMP	32,820.85	
249-964-964-100	PERMITS DUE TO LOWELL TWP	2,686.80	
249-964-964-200	PERMITS DUE TO VERGENNES TWP	755.80	
249-964-964-300	PERMITS DUE TO GR TWP	4,090.85	
249-964-964-400	PERMITS DUE TO ADA TWP	5,491.80	
249-964-964-500	PERMITS DUE TO EAST GR	3,110.00	
249-964-964-600	PERMITS DUE PLAINFIELD	4,809.80	
249-964-964-800	PERMITS DUE CASCADE TWP	4,227.00	
Total Fund 249 - BUILDING FUND		3,298,829.99	3,298,829.99
DEFICIENCY OF REVENUES/EXPENDITURES - 2020		264,987.00	

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 249 - BUILDING FUND		
*** Assets ***		
249-000-001-111	-CASH-RECEIVING - FLAGSTAR	20,164.75
249-000-001-510	MI CLASS CASH - POOL ACCOUNTS	7,178.42
249-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	(475.56)
249-000-002-003	CONSUMERS CR UN SAVINGS	317,703.78
249-000-003-001	CD - INDEPENDENT BANK M 6/19/21	321,327.11
249-000-003-018	CD - CHEMICAL BANK M 4/30/21	307,919.91
249-000-003-021	FNB OF MI M 2/11/20	556,467.53
249-000-003-024	FIRST NATIONAL BANK OF AMERICA	654,398.37
249-000-003-037	CHEMICAL BANK CD M 10/28/19	569,753.35
	Total Assets	2,754,437.66
*** Liabilities ***		
249-000-202-000	ACCOUNTS PAYABLE	3,778.21
249-000-214-000	DUE TO OTHER FUNDS	34,236.71
249-000-237-000	DUE TO IRF SW CONNECTIONS	4,400.00
	Total Liabilities	42,414.92
*** Fund Balance ***		
249-000-390-000	FUND BALANCE	2,020,191.68
249-000-391-001	FUND BAL- COMMITTED FUTURE FAC IMP 2018	1,000,000.00
	Total Fund Balance	3,020,191.68
	Beginning Fund Balance - 2020	3,020,191.68
	Net of Revenues VS Expenditures - 2020	(264,987.00)
	*2020 End FB/2021 Beg FB	2,755,204.68
	Net of Revenues VS Expenditures - Current Year	(43,181.94)
	Ending Fund Balance	2,712,022.74
	Total Liabilities And Fund Balance	2,754,437.66

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 270 - LIBRARY FUND								
Revenues								
Dept 000								
270-000-401-402	TAX LEVY	218,084.09	226,358.00	226,358.00	206,882.29	73,110.75	19,475.71	91.40
270-000-401-410	PERSONAL PROPERTY TAX	14,938.74	16,047.00	16,047.00	13,120.04	10,075.23	2,926.96	81.76
270-000-401-412	DELINQUENT TAX LEVY	403.27	600.00	600.00	0.00	0.00	600.00	0.00
270-000-401-437	ABATEMENT TAXES-LEVY	1,834.57	2,674.00	2,674.00	2,286.02	2,278.87	387.98	85.49
270-000-401-445	PENALTIES & INTEREST ON TAX	39.59	60.00	60.00	0.00	0.00	60.00	0.00
270-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	10,884.36	8,163.00	8,163.00	0.00	0.00	8,163.00	0.00
270-000-587-587	KENT DISTRICT LIBRARY PAYMENT	32,869.52	32,870.00	32,870.00	8,217.38	8,217.38	24,652.62	25.00
270-000-665-000	INTEREST REVENUE	58,248.20	16,000.00	16,000.00	128.27	128.27	15,871.73	0.80
Total Dept 000		337,302.34	302,772.00	302,772.00	230,634.00	93,810.50	72,138.00	76.17
TOTAL REVENUES		337,302.34	302,772.00	302,772.00	230,634.00	93,810.50	72,138.00	76.17
Expenditures								
Dept 790 - LIBRARY								
270-790-727-000	LIBRARY SUPPLIES	933.86	6,600.00	6,600.00	0.00	0.00	6,600.00	0.00
270-790-729-000	LIB ELECTRONIC SUBSCRIPTIONS	0.00	900.00	900.00	0.00	0.00	900.00	0.00
270-790-787-000	MISCELLANEOUS	126.00	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
270-790-802-200	JANITORIAL & MAINTENANCE	2,099.71	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00
270-790-810-000	LIABILITY INSURANCE	16,464.25	18,110.00	18,110.00	19,817.75	0.00	(1,707.75)	109.43
270-790-921-000	LIBRARY ELECTRICITY	46,305.09	55,000.00	55,000.00	6,985.34	3,548.39	48,014.66	12.70
270-790-923-000	LIBRARY HEATING	9,331.94	12,000.00	12,000.00	2,033.74	2,033.74	9,966.26	16.95
270-790-924-000	LIBRARY PHONES	1,787.46	1,800.00	1,800.00	174.00	102.05	1,626.00	9.67
270-790-927-000	LIBRARY WATER-SEWER	5,658.13	8,000.00	8,000.00	1,029.58	1,029.58	6,970.42	12.87
270-790-931-000	LIBRARY MAINTENANCE	66,916.72	65,000.00	65,000.00	6,220.26	5,179.52	58,779.74	9.57
270-790-931-100	LIBRARY MAINTENANCE	76,461.00	76,461.00	76,461.00	0.00	0.00	76,461.00	0.00
270-790-950-000	PROPERTY TAX REFUNDS	21.99	200.00	200.00	0.00	0.00	200.00	0.00
270-790-981-000	OFFICE EQUIPMENT	2,475.27	1,000.00	1,000.00	0.00	0.00	1,000.00	0.00
Total Dept 790 - LIBRARY		228,581.42	256,071.00	256,071.00	36,260.67	11,893.28	219,810.33	14.16
Dept 901 - CAPITAL OUTLAY								
270-901-970-000	CAPITAL OUTLAY - FFE	0.00	25,000.00	25,000.00	0.00	0.00	25,000.00	0.00
Total Dept 901 - CAPITAL OUTLAY		0.00	25,000.00	25,000.00	0.00	0.00	25,000.00	0.00
TOTAL EXPENDITURES		228,581.42	281,071.00	281,071.00	36,260.67	11,893.28	244,810.33	12.90
Fund 270 - LIBRARY FUND:								
TOTAL REVENUES		337,302.34	302,772.00	302,772.00	230,634.00	93,810.50	72,138.00	76.17
TOTAL EXPENDITURES		228,581.42	281,071.00	281,071.00	36,260.67	11,893.28	244,810.33	12.90
NET OF REVENUES & EXPENDITURES		108,720.92	21,701.00	21,701.00	194,373.33	81,917.22	(172,672.33)	895.69

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 270 - LIBRARY FUND			
270-000-001-510	CASH - MI CLASS	466,389.59	
270-000-003-014	CD - LAKE MICH CR UN #40 M3/27/2020	445,585.17	
270-000-003-026	CD - WEST MI COMMUNITY BANK M 6/1/2020	272,905.68	
270-000-003-027	CD - NORTHPOINTE BANK MM 4/7/2020	570,033.64	
270-000-015-023	LIBRARY M/M UNITED BANK	606,645.40	
270-000-202-000	ACCOUNTS PAYABLE		603.93
270-000-390-000	FUND BALANCE		1,657,861.30
270-000-391-001	FUND BALANCE - COMMITTED/MAJOR REPAIRS11		400,000.00
270-000-401-402	TAX LEVY		206,882.29
270-000-401-410	PERSONAL PROPERTY TAX		13,120.04
270-000-401-437	ABATEMENT TAXES-LEVY		2,286.02
270-000-587-587	KENT DISTRICT LIBRARY PAYMENT		8,217.38
270-000-665-000	INTEREST REVENUE		128.27
270-790-810-000	LIABILITY INSURANCE	19,817.75	
270-790-921-000	LIBRARY ELECTRICITY	6,985.34	
270-790-923-000	LIBRARY HEATING	2,033.74	
270-790-924-000	LIBRARY PHONES	174.00	
270-790-927-000	LIBRARY WATER-SEWER	1,029.58	
270-790-931-000	LIBRARY MAINTENANCE	6,220.26	
Total Fund 270 - LIBRARY FUND		2,397,820.15	2,397,820.15
NET OF REVENUES/EXPENDITURES - 2020			108,720.92

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 270 - LIBRARY FUND		
*** Assets ***		
270-000-001-510	CASH - MI CLASS	466,389.59
270-000-003-014	CD - LAKE MICH CR UN #40 M3/27/2020	445,585.17
270-000-003-026	CD - WEST MI COMMUNITY BANK M 6/1/2020	272,905.68
270-000-003-027	CD - NORTHPOINTE BANK MM 4/7/2020	570,033.64
270-000-015-023	LIBRARY M/M UNITED BANK	606,645.40
	Total Assets	2,361,559.48
*** Liabilities ***		
270-000-202-000	ACCOUNTS PAYABLE	603.93
	Total Liabilities	603.93
*** Fund Balance ***		
270-000-390-000	FUND BALANCE	1,657,861.30
270-000-391-001	FUND BALANCE - COMMITTED/MAJOR REPAIRS:	400,000.00
	Total Fund Balance	2,057,861.30
	Beginning Fund Balance - 2020	2,057,861.30
	Net of Revenues VS Expenditures - 2020	108,720.92
	*2020 End FB/2021 Beg FB	2,166,582.22
	Net of Revenues VS Expenditures - Current Year	194,373.33
	Ending Fund Balance	2,360,955.55
	Total Liabilities And Fund Balance	2,361,559.48

* Year Not Closed

REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
 PERIOD ENDING 02/28/2021

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.
 PRE-AUDIT

GL NUMBER	DESCRIPTION	2020 PRE-AUDIT BALANCE	2021 BUDGET	2021 AMENDED BUDGET	YTD BALANCE 02/28/2021 NORM (ABNORM)	ACTIVITY FOR MONTH 02/28/21 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 282 - CARES ACT								
Revenues								
Dept 000								
282-000-528-001	PSPHPR GRANT	171,542.00	0.00	0.00	0.00	0.00	0.00	0.00
282-000-528-002	FRHPP GRANT	30,000.00	0.00	0.00	0.00	0.00	0.00	0.00
282-000-528-003	CRLGG GRANT	15,701.00	0.00	0.00	0.00	0.00	0.00	0.00
282-000-528-004	KENT COUNTY PROGRAM	217,352.09	0.00	0.00	0.00	0.00	0.00	0.00
282-000-528-005	KENT COUNTY WIFI	20,800.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 000		455,395.09	0.00	0.00	0.00	0.00	0.00	0.00
Dept 345 - 345								
282-345-528-000	OTHER FEDERAL GRANTS	0.00	0.00	0.00	49,146.72	49,146.72	(49,146.72)	100.00
Total Dept 345 - 345		0.00	0.00	0.00	49,146.72	49,146.72	(49,146.72)	100.00
TOTAL REVENUES		455,395.09	0.00	0.00	49,146.72	49,146.72	(49,146.72)	100.00
Expenditures								
Dept 345 - 345								
282-345-702-000	WAGES- FULL TIME	100,379.63	0.00	0.00	0.00	0.00	0.00	0.00
282-345-702-100	HAZARD PAY- CARES ACT	30,000.00	0.00	0.00	0.00	0.00	0.00	0.00
282-345-702-200	FIRE DEPARTMENT SALARIES & BENEFITS	91,997.23	0.00	0.00	0.00	0.00	0.00	0.00
282-345-707-000	WAGES- CASUAL	23,092.16	0.00	0.00	0.00	0.00	0.00	0.00
282-345-713-000	OVERTIME	12,928.48	0.00	0.00	0.00	0.00	0.00	0.00
282-345-715-000	FICA-EMPLOYER	16,318.21	0.00	0.00	0.00	0.00	0.00	0.00
282-345-718-000	VISION INSURANCE BENEFITS	401.88	0.00	0.00	0.00	0.00	0.00	0.00
282-345-719-000	HEALTH INSURANCE BENEFITS	35,776.30	0.00	0.00	0.00	0.00	0.00	0.00
282-345-720-000	LIFE & DISABILITY INSURANCE	674.74	0.00	0.00	0.00	0.00	0.00	0.00
282-345-721-000	DENTAL INSURANCE BENEFITS	2,121.58	0.00	0.00	0.00	0.00	0.00	0.00
282-345-722-000	PENSION PLAN BENEFITS	14,197.28	0.00	0.00	0.00	0.00	0.00	0.00
282-345-752-000	ELECTION SUPPLIES	44,925.61	0.00	0.00	0.00	0.00	0.00	0.00
282-345-755-000	COVID 19 EXPENSES	15,701.00	0.00	0.00	0.00	0.00	0.00	0.00
282-345-755-100	COVID EQUIPMENT & SUPPLIES	6,417.51	0.00	0.00	0.00	0.00	0.00	0.00
282-345-755-200	COVID REMOTE WORK EXPENSES	25,274.94	0.00	0.00	0.00	0.00	0.00	0.00
282-345-850-000	CARES ACT COMMUNICATIONS	14,388.54	0.00	0.00	0.00	0.00	0.00	0.00
282-345-852-000	INTERNET CARES ACT	20,090.79	0.00	0.00	0.00	0.00	0.00	0.00
Total Dept 345 - 345		454,685.88	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL EXPENDITURES		454,685.88	0.00	0.00	0.00	0.00	0.00	0.00
Fund 282 - CARES ACT :								
TOTAL REVENUES		455,395.09	0.00	0.00	49,146.72	49,146.72	(49,146.72)	100.00
TOTAL EXPENDITURES		454,685.88	0.00	0.00	0.00	0.00	0.00	0.00
NET OF REVENUES & EXPENDITURES		709.21	0.00	0.00	49,146.72	49,146.72	(49,146.72)	100.00
TOTAL REVENUES - ALL FUNDS								
		13,914,549.54	13,160,341.00	13,160,341.00	6,312,820.60	3,226,136.11	6,847,520.40	47.97
TOTAL EXPENDITURES - ALL FUNDS								
		15,806,596.09	12,712,211.00	12,712,211.00	1,707,452.09	821,282.77	11,004,758.91	13.43
NET OF REVENUES & EXPENDITURES								
		(1,892,046.55)	448,130.00	448,130.00	4,605,368.51	2,404,853.34	(4,157,238.51)	1,027.69

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 282 - CARES ACT			
282-000-001-100	CASH -CARES ACT	709.21	
282-000-084-000	DUE FROM OTHER TWP FUNDS	49,146.72	
282-345-528-000	OTHER FEDERAL GRANTS		49,146.72
Total Fund 282 - CARES ACT		49,855.93	49,855.93
NET OF REVENUES/EXPENDITURES - 2020			709.21

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 02/28/2021
PRE-AUDIT

GL Number	Description	Balance
Fund 282 - CARES ACT		
*** Assets ***		
282-000-001-100	CASH -CARES ACT	709.21
282-000-084-000	DUE FROM OTHER TWP FUNDS	49,146.72
	Total Assets	49,855.93
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
	Total Fund Balance	0.00
	Beginning Fund Balance - 2020	0.00
	Net of Revenues VS Expenditures - 2020	709.21
	*2020 End FB/2021 Beg FB	709.21
	Net of Revenues VS Expenditures - Current Year	49,146.72
	Ending Fund Balance	49,855.93
	Total Liabilities And Fund Balance	49,855.93

* Year Not Closed

TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 701 - TRUST AND AGENCY			
701-000-003-002	HENRY KRAMER ESCROW	15,389.76	
701-000-003-004	JACK SMITH ESCROW	23,138.23	
701-000-003-018	CD - CHEMICAL BANK JAMES TIMMONS	12,400.00	
701-000-015-004	MONEY MARKET - CHEMICAL BANK	131,760.67	
701-000-202-000	ACCOUNTS PAYABLE		1,786.00
701-000-214-000	DUE TO GENERAL FUND		4.63
701-000-230-004	T&A INTERST DUE GF		1,571.80
701-000-250-080	CASCADE POINTE-PATHWAY BOND		10,054.62
701-000-250-173	PATHWAYS-WOLVERINE BLDG GROUP- 6010 28TH		1,800.00
701-000-250-175	PATHWAYS - CASCADE TRAILS SENIOR LIVING		3,000.00
701-000-250-176	PATHWAYS- KANAAN COMMUNICATIONS		500.00
701-000-252-050	WALMART S/W INSP GR 3/2013		826.83
701-000-252-166	REDWOOD LIVING/WHITE WATER S/W 4/2014		3,413.30
701-000-252-167	RIDGES OF CASCADE S/W 4/2014		948.12
701-000-252-168	STONESHIRE PHASE II S/W 4/2014		1,559.25
701-000-252-205	GROOTERS DEV./ 5400 INTERNATIONAL PKWAY		500.00
701-000-252-227	CASCADE MARKETPLACE 5/08		8,858.33
701-000-252-230	FORD AIRPORT PK LOT S/W		8,468.75
701-000-252-231	DRURY DEVELOPMENT S/W 9/2015		4,201.08
701-000-252-232	FORD AIRPORT VIEWING PARK		32.00
701-000-252-236	LACKS TRIM DIV S/W 1/2016		4,518.05
701-000-252-237	LEISURE LIVING MGT 5/2018	4,020.35	
701-000-252-238	LANTERNS OF CASCADE JUNE 2019		9,296.95
701-000-252-239	NATIONAL TIRE SEPTEMBER 2019		256.50
701-000-252-240	EDWARD ROSE/ GARDEN APARTMENTS	18,091.35	
701-000-252-751	GLENWOOD HILLS S/W BOND		23,211.72
701-000-253-221	UNIVERSAL SIGN SYSEMS 17-3397 7/2017		48.34
701-000-253-328	MIEDEMA METAL BUILDING SYSTEM 11/14		26.00
701-000-253-360	WOLVERING BLDG GROUP 16-3318 6/2016		500.00
701-000-253-373	ROBERT GROOTER 17-3386 5/2017		500.00
701-000-253-375	WATERFALL SHOPPES LLC 17-3389 6/2017		500.00
701-000-253-376	TOWN CENTER INN & SUITES 17-3391 6/2017		500.00
701-000-253-377	JAMNBEAN/FREEDOM REINS FARM 17-3392 7/17		500.00
701-000-253-378	PARADIGM DESIGN INC 17-3395 7/17		500.00
701-000-253-379	2771 ORANGE AVE LLC 17-3401 8/2017		500.00
701-000-253-382	RJP CONSULTING INC 17-3407 9/2017		500.00
701-000-253-385	INNOVATIVE DESIGN PC 17-3419 10/2017		500.00
701-000-253-386	LACK ENTERPRISES INC 17-3421 10/2017		500.00
701-000-253-387	NEDERVELD 17-3423 10/2017		500.00
701-000-253-388	BENITEAU RESIDENTIAL LLC 17-3424 11/2017		500.00
701-000-253-389	ALPHA LIMA VENTURES LLC 17-3425 11/2017		500.00
701-000-253-390	QUAIL RIDGE GOLF COURSE 17-3428 12/2017		500.00
701-000-253-391	THORNAPPLE EVANGELICAL 17- 3429 12/17		500.00
701-000-253-392	THORNAPPLE RIVER NURSERY 18-3433 1/18		500.00
701-000-253-394	THE EAGLE PROPERTIES 18-3438 2/2018		500.00
701-000-253-395	KAMMINGA & ROODVOETS 18-3444 2/2018		500.00
701-000-253-397	DYKEMA EXCAVATORS INC 18:3450		500.00
701-000-253-398	SIBSCO LLC 18-3456 5/2018		500.00

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
701-000-253-399	GREEN CASTLE PROPERTIES 18-3458 5/2018		1,000.00
701-000-253-401	THORNAPPLE ENTERPRISES 18-3464 5/2018		500.00
701-000-253-404	NEDERVELD 18-3471 6/2018		500.00
701-000-253-405	NEWCO DESIGN BUILD LLC 18:3477		500.00
701-000-253-407	LANTERS 18:3488		500.00
701-000-253-408	PARADIGM DESIGN INC 18-3492 9/2018		500.00
701-000-253-409	LACKS TRIM SYSTEMS 18:3501 11/2018		500.00
701-000-253-411	BUFFUM HOMES LLC 18:3507		500.00
701-000-253-412	ROGUE LLC 18:3508		408.00
701-000-253-413	ROGUE LLC 18:3509		406.75
701-000-253-414	BDR EXECUTIVE HOMES PATHWAY BOND		1,000.00
701-000-253-415	GLENWOOD DEVELOPMENT PARTNERS 19:3516		500.00
701-000-253-416	GOLDEN VALLEY DEVELOPMENT 19:3519		500.00
701-000-253-417	ROBERT GROOTERS DEVELOPMENT CO 19:3526		380.50
701-000-253-418	TOM GIUSTI/ ROUND HILL 19:3527		15,862.25
701-000-253-419	CASCADE TLC DAYCARE 19:3534		500.00
701-000-253-420	NATIONAL TIRE WHOLESAL 19:3538		500.00
701-000-253-421	WATERMARK PROPERTIES LLC 19:3542		500.00
701-000-253-422	WALMART 19:3541		494.10
701-000-253-423	BRAD HARMON/ BKBE HOLDINGS LLC 19:3550		500.00
701-000-253-424	SARAH HOTCHKISS 19-3558		363.50
701-000-253-425	AUGUSTA TOWER 19-3570		1,000.00
701-000-253-426	EDWARD ROSE DEV CO., LLC		500.00
701-000-253-427	TARGET 20-3576 ZONING VARIANCE		500.00
701-000-253-431	GOLDEN VALLEY SITE CONDO #20-3593-ESCROW		500.00
701-000-253-432	GOLDEN VALLEY SITE CONDO #20-3594- PLAN		500.00
701-000-253-433	LIVE SPACE 4995 STARR ST SE		500.00
701-000-253-434	VENTURE ENGINEERING, PLLC		500.00
701-000-253-435	MOORE & BRUGGINK, INC		500.00
701-000-255-000	CASCADE THORN RIVER ASSOC 16:3303		500.00
701-000-255-741	JAMES TIMMONS TRUST		12,400.00
701-000-255-742	JACKS SMITH (IRF) M 10/16/2015		23,138.23
701-000-255-743	CUSTOMER DEPOSITS- SOLICITATION BONDS		1,075.00
701-000-283-004	REDWOOD LIVING PERFORMANCE BOND 13-3139		10,000.00
701-000-283-168	RON DYKSTRA 2769 TRD		500.00
701-000-283-169	CHICK-FIL-A PUD AMEND 19:3533		500.00
701-000-283-170	LANDSCAPE BOND - 5354 HALL		10,000.00
701-000-283-171	PATHWAY BOND - 1990 SPAULDING		500.00
701-000-283-740	HENRY KRAMER PERFORMANCE BOND		15,389.76
701-000-283-741	PERFORMANCE BOND 5801 KRAFT		5,000.00
Total Fund 701 - TRUST AND AGENCY		204,800.36	204,800.36

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 703 - CURRENT TAX COLLECTION FUND			
703-000-001-001	CASH (CASH DRAWER)	150.00	
703-000-001-103	CASH- CHEM /TAX WIRE	33.49	
703-000-001-110	FLAGSTAR BANK - CASH	1,130,689.59	
703-000-001-111	CASH RECEIVING & WIRE - FLAGSTAR	337,012.83	
703-000-001-112	CASH DELINQUENT - FLAGSTAR	37,968.40	
703-000-214-100	CCT-PATHWAYS		35,059.57
703-000-214-105	CCT-POLICE		45,797.29
703-000-214-110	CCT - OPERATING TAXES		96,930.48
703-000-214-111	CCT-INTEREST & PENALTY		521.47
703-000-214-112	CCT - OVER/SHORT	2.58	
703-000-214-115	CCT - FIRE		131,207.01
703-000-214-116	CCT OPEN SPACE		22,942.87
703-000-214-120	CCT - LIBRARY		14,952.42
703-000-214-135	CCT- SPECIAL ASSESSMENTS		67.41
703-000-214-140	CCT - STREET LIGHTS		3,927.78
703-000-214-155	CCT - ADMIN		14,394.93
703-000-214-200	CCT - IFT PATHWAYS		634.60
703-000-214-205	CCT - IFT POLICE		828.95
703-000-214-210	CCT - IFT OPERATING TAXES		1,754.48
703-000-214-215	CCT - IFT FIRE		2,374.91
703-000-214-216	CCT OPEN SPACE IFT		415.28
703-000-214-220	CCT-IFT LIBRARY		270.63
703-000-222-110	KENT COUNTY - OPERATING		12,934.32
703-000-222-111	KENT COUNTY - INTEREST		1,861.20
703-000-222-160	KENT COUNTY - JAIL		77,658.60
703-000-222-165	KENT COUNTY - ZOO/MUSEUM		43,281.50
703-000-222-170	KENT COUNTY - SENIOR		49,188.75
703-000-222-172	KENT COUNTY - VETERAN'S MILLAGE		4,898.85
703-000-222-175	KENT COUNTY - DOG LICENSE		930.60
703-000-222-180	KENT COUNTY DRAIN		3,964.71
703-000-222-185	KENT COUNTY - EARLY CHILDHOOD		24,794.60
703-000-222-260	KENT COUNTY - IFT JAIL		1,405.65
703-000-222-265	KENT COUNTY - IFT ZOO/MUSEUM		783.42
703-000-222-270	KENT COUNTY - IFT SENIOR		890.34
703-000-222-272	KENT COUNTY - IFT VETERAN'S MILLAGE		88.66
703-000-222-285	KENT COUNTY - IFT EARLY CHILDHOOD		448.80
703-000-223-110	KDL - TAXES		126,607.99
703-000-223-111	KDL - TAX INTEREST		143.28
703-000-223-210	KDL - IFT TAXES		2,291.66
703-000-225-110	FHPS - OPERATING		149,342.32
703-000-225-111	FHPS - INTEREST		2,194.87
703-000-225-120	FHPS - DEBT		257,364.03
703-000-225-130	FHPS - RECREATION		38,313.13
703-000-225-220	FHPS - IFT DEBT		644.72
703-000-225-230	FHPS - IFT RECREATION		95.96
703-000-225-410	CALEDONIA - OPERATING		138,518.95
703-000-225-411	CALEDONIA - INTEREST		65.65
703-000-225-420	CALEDONIA - DEBT		85,435.44

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 02/28/2021
PRE-AUDIT**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
703-000-225-520	CALEDONIA - IFT DEBT		5,696.77
703-000-226-110	LOWELL - OPERATING		4,879.09
703-000-226-111	LOWELL - INTEREST		18.70
703-000-226-120	LOWELL - DEBT		6,595.49
703-000-226-130	LOWELL BLDG/SITE		904.47
703-000-228-001	SET & OPERATING TAX (COUNTY)		18,371.34
703-000-228-201	IFT SET & OPER TAX (STATE)		4,756.36
703-000-230-001	TAX INT- DUE TO OTHER UNIT GOVT		3,139.93
703-000-230-002	DELQ TAX - DUE TO OTHER UNIT OF GOVT		37,931.38
703-000-230-003	WIRE ACCT-DUE TO OTHER UNIT GOVT		1.00
703-000-230-012	DELQ TAX INT- DUE OTHER UNIT GOVT		25.92
703-000-230-013	WIRE ACCT INT - DUE TO OTHER GOVT		584.88
703-000-230-032	DELQ TAX OVER AND SHORT	7.10	
703-000-230-043	WIRE- ONLINE SERVICE FEES	91.91	
703-000-230-044	TAX NSF FEES		312.89
703-000-234-110	KENT ISD - TAXES		17,049.79
703-000-234-111	KENT ISD - TAXES INTEREST		890.47
703-000-235-110	GRCC - TAXES		5,349.69
703-000-235-111	GRCC - TAXES INTEREST		279.41
703-000-274-000	UNDISTRIBUTED TAX COLLECTION		371.87
703-000-275-000	DUE TO TAXPAYERS		2,568.37
Total Fund 703 - CURRENT TAX COLLECTION FUND		1,505,955.90	1,505,955.90
Total - All Funds:		33,278,244.85	33,278,244.85



CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE Grand Rapids, Michigan 49546

Date: April 14, 2021
To: Supervisor Lesperance and Township Board Members
From: Ben Swayze, Township Manager
Subject: Contract with Hamilton Helicopter Inc. for Gypsy Moth Suppression Services

FACTS:

In the fall of 2020 Cascade Township contracted with Aquatic Consulting Services LLC to conduct gypsy moth egg mass surveys to determine areas that require aerial spraying for 2021. As a result of that survey, it has been recommended that approximately 755 acres of the Township be sprayed for gypsy moth suppression. It should be noted that the recommended acreage is similar to what was sprayed in 2020 but significantly lower than years previous to that. In 2018 the Township sprayed 1,115 acres and 1,889 acres in 2019. 2020 brought a significant reduction in the spray area to 736 acres. Our biologist, Aquatic Consulting Services, indicates "...Cascade Township is in much better shape than the rest of the state. Gypsy moth populations are still on a downward trend in Cascade, but ...other areas in the state (including West Michigan) populations are on a marked upward trend. Even some areas immediately adjacent to Cascade are starting to see population rebound."

The Township had utilized Mid-Michigan Helicopter Inc. for Gypsy Moth Suppression services since the onset of our program until 2015. In 2015 Mid-Michigan Helicopter was bought by Hamilton Helicopter, and they have overseen our spraying program for the last six years. Our spray program last year was successful with no known issues reported from the contractor or residents in the affected areas. The Township last sprayed for gypsy moths in spring of 2020, when we sprayed 736 acres. The follow up report from Aquatic Consulting Services in summer of 2020 indicated the spray program was successful in suppressing the gypsy moth population in a majority of the indicated spray areas.

2020 was the last year of a 3-year spray contract with Hamilton Helicopter. The 2020 contract rate was \$61.75. The 2021 spray contract proposal from Hamilton Helicopter calls for spraying 755 acres at a cost of \$62.20 per acre, an increase of less than 1%. The anticipated cost of the 2020 spray program is \$46,961.

The program will take place in the time period between May 1st and June 15th, with a more specific date to be available when the weather breaks. The Township is required to notify all residences in the spray block areas of the program. Any objectors to the spray program are eligible to be removed from the spray block at the discretion of the Township.

Attached for your review are:

- Proposed agreement with Hamilton Helicopter Inc. for Gypsy Moth Suppression Services.
- Communication from Aquatic Consulting Services regarding spray program
- Map of the proposed spray blocks for 2021
- Gypsy Moth information brochure published by the MSU Extension
- Information regarding Bacillus Thuringiensis pesticide.

ANALYSIS & CONCLUSIONS:

The Township has participated in the gypsy moth spray program in conjunction with Mid-Michigan Helicopter Inc/Hamilton Helicopter and Aquatic Consulting Services going on 23 years. The Township has participated in the program because of the acknowledgement of the devastating effect the gypsy moth population could have on the tree canopy cover of the Township.

During the onset of the program it was not uncommon for the Township to spray 1000 – 2000 acres per year. The continued treatment has allowed the program to be successful and our gypsy moth populations to be controlled. The partnership with both Aquatic Consulting Resources and Hamilton Helicopters Inc. has allowed us to efficiently allocate our financial resources to this program. The survey ensures that the aerial spray program effectively targets areas of infestation above the set thresholds, and on several occasions has saved us from unnecessarily spraying, as was the case in 2013 and 2010-11

The Infrastructure Committee reviewed the gypsy moth program at their March meeting. Based on the report from Aquatic Consulting Services the committee has recommended the Board approve the contract with Hamilton Helicopters to spray the full 755 acres recommended by Aquatic Consulting Services.

FINANCIAL CONSIDERATIONS:

The proposed agreement with Hamilton Helicopter Inc. is for a rate of \$62.20 per acre, which is \$0.45 per acre more than the 2020 contract and represents the increased cost of *Bacillus Thuringiensis*. The total cost of the program will come to \$46,961. The Township has budgeted \$50,000 for this program in 2021

RECOMMENDED ACTION:

Approve the agreement with Hamilton Helicopter Inc. for Gypsy Moth Suppression Services.

GYPSY MOTH SUPPRESSION SERVICE AGREEMENT

This agreement is made as of _____, 2021, between Cascade Charter Township, a Michigan municipal corporation at 2865 Thornhills Ave. SE, Grand Rapids Michigan. 49546. (Hereafter referred to as the Township), and Hamilton Helicopter Inc.(hereafter referred to as Hamilton Helicopters).

Whereas the Township desires to control the gypsy moth population within its boundaries, and Hamilton Helicopters is interested in and capable of participating in a Gypsy moth suppression program with the Township.

NOW, therefore, the parties agree as follows.

A With regard to the gypsy moth suppression program, the Township shall provide or arrange for the following to be performed.

- (1) Determination of spray blocks.
- (2) Provide homeowner notification of the spraying program, and make all public notices required, and make sure there are no objectors in the spray blocks.
- (3) Provide location of all objectors in and outside the spray blocks, and exclude and defend Hamilton Helicopters from any action, legal or otherwise, that should arise from the "no exclusion policy".
- (4) Provide digitized maps of the spray blocks.
- (5) Provide traffic and crowd control at the time of spraying, in the spray blocks and at the load site if deemed necessary by the parties.
- (6) Provide a central loading site.

B With regard to the gypsy moth suppression program, Hamilton Helicopters shall.

- (1) Have and maintain insurance coverage during the term of this agreement in the amount of \$1,000,000.00 single limit bodily injury and property damage. The Township and its employees shall be named as "additional insured". All liability for Hamilton Helicopters and its employees will be limited to the insurance policy provided.
- (2) Will apply to the F.A.A. for a (workable) congested area spray plan for the time period from May 1, 2021 to June 15, 2021.
- (3) Provide Bacillus Thuringiensis 'BT' at the rate of 19 B.I.U. per acre to cover 755 acres for the Township in 2021.
- (4) Coordinate the spray timing with Aquatic Consulting Services.

C For providing the services in paragraph A above, the Township shall pay Hamilton Helicopters a fee of \$62.20 per acre for providing the services in paragraph. This shall be within 30 days of billing.

D In the event Hamilton Helicopters is prevented from spraying as a result of legal action, court injunction, terrorist related problems or any problems beyond the control of Hamilton Helicopters, the Township will pay \$15.00 per acre to cover some of the costs incurred.

E For the purposes of this contract, the contractor and its employees shall be considered Independent contractors.

F This agreement may be amended by mutual consent of the parties.

IN WITNESS THERE OF, the parties here have executed this agreement by and through their authorized representatives as of the date written above.

Cascade Charter Township

Hamilton Helicopters Inc.

_____ DATE _____

Kurt Houbert DATE 3/29/21

Its _____

Its PH-



Aquatic Consulting Services

P.O. Box 530, Sanford, MI 48657
www.aquaticremedies.com

989-689-0223

January 14, 2021

**Mr. Ben Swayze, Manager
Cascade Charter Township
2865 Thornhills, S.E.
Grand Rapids, MI 49546**

Dear Mr. Swayze:

We have completed the gypsy moth egg mass surveys, maps, and report for the 2021 season in Cascade Charter Township. I have included JPG and PDF map files of the results for you to review and to post on the city website as needed. Both JPG and PDF files are printable for your purposes although the PDF file will be more user friendly on your website. I have also included a short report on the conditions in each recommended spray block. An 18 x 24-inch map may be sent in a separate package for display purpose if desired.

Overall, I have somewhat good news for Cascade Township. Gypsy moth egg mass numbers continue to trend downward on average across much of the township, but a few areas where our suppression efforts have been paying off have started to show signs of rebound already. In the attached report, you will see the conditions in each spray block explained as well as an explanation of how Integrated Pest Management (IPM) programs operate from a monitoring standpoint. Largely, we feel we were correct in holding off on unnecessary spraying as indicated by low resident complaints and low defoliation observed in our 2020 post-spray survey. Unfortunately, weather conditions in summer 2020 appear to have allowed the gypsy moths to regain a foothold. Egg mass densities are still way down overall, but we must recommend an increase of 19 acres for a total of 755 acres for spring 2021. We should continue to see much reduced nuisance and defoliation, but we may need to be prepared for an uptick in residential complaints in summer 2021. Judging from observations this fall, Cascade Township is still in **much** better shape than other areas in Michigan, but we will need to maintain an intensive monitoring protocol to avoid losing the ground we have gained so far.

I will hold off on digitizing the spray blocks for the pilot's use until you have had a chance to review the maps. Once we get closer to spray time and you have selected an aerial applicator, I will provide the pilot with spray maps and digitized files.

Thank you for the opportunity to work for Cascade Township again this season. Please let me know if I can help with anything further, 989-689-0223 or gypsymoth@aquaticremedies.com.

Sincerely,

Neal Swanson
Owner/Biologist

Cascade Charter Township
Recommended Gypsy Moth Spray Areas 2021

By
Aquatic Consulting Services
January 2021

Block #	Acres	Reason for Spray
Cas01	59	An established population in good habitat. Population has been largely suppressed for a few years but does show signs of rebound. Population is continuous with untreated Ada Township, so reinfestation is a concern. Nuisance is primary concern due to successive years of infestation. Spray to inhibit reinfestation and mitigate potential nuisance.
Cas02	17	A persistent remnant population in good habitat. Population does show some signs of rebound. Tree damage is primary concern due to successive years of infestation. Spray to limit further tree damage, further suppress population, and inhibit rebound.
Cas03	69	A persistent remnant population in prime habitat. Nuisance is primary concern and was confirmed by resident reports. Tree damage is a secondary concern, particularly in heavily previously heavily infested trees along Thornapple River Dr. Some spreading to uninfested habitat is also notable. Spray to contain spreading and limit further tree damage and nuisance.
Cas04	16	A persistent remnant population in prime habitat. Population has been largely suppressed but does show signs of rebound. Nuisance has been high in past years and tree damage is a concern in previously stressed trees. Spray to inhibit rebound, further tree damage, and mitigate potential nuisance.
Cas05	67	A persistent remnant population in prime habitat. Population has been suppressed over most of the area but does show signs of rebound throughout. Nuisance was very high at peak infestation, and tree damage is also a concern in previously stressed trees. Spray to inhibit rebound, mitigate potential nuisance, and limit further tree damage.
Cas06	17	A remnant population in very good habitat. Rebound in population is evident. Some trees in the area were heavily defoliated in successive years, so tree damage is primary concern, particularly along 30 th St. Spray to limit further tree damage and inhibit rebound.
Cas07	24	A rising population in good habitat. Tree damage is primary concern particularly in trees overhanging 28 th St. Nuisance is secondary concern but is low according to resident reports. Spray to suppress population and limit tree damage.
Cas08	38	A rising population in very good habitat. Nuisance is primary concern but is currently low confirmed by resident reports. Potential for nuisance in coming seasons is much higher according to egg mass densities in the area. Spray to limit potential nuisance and suppress population.

Cas09	30	A persistent sustained population in very good habitat. Nuisance has been an issue in past years, and historical tree damage was quite high, especially in heavily infested trees along Cascade Rd. Population does show some signs of rebound in a few areas. Spray to inhibit population rebound and limit further tree damage and potential nuisance.
Cas10	69	A persistent remnant population in prime habitat. Population was largely suppressed but does show some signs of rebound. Tree damage is primary concern, especially in previously heavily infested trees along Cascade Rd. Spray to inhibit rebound and limit further tree damage.
Cas11	156	Habitat quality and population trends are very similar to block Cas10, however the western portion of block shows signs of more dramatic upward trend. Tree damage is primary concern, particularly in previously heavily infested trees. Spray to inhibit population rebound, mitigate potential nuisance, and limit further tree damage.
Cas12	23	A sustained population in very good habitat. Nuisance is primary concern and is confirmed by resident reports. Tree damage in stressed trees along Whitneyville Rd is a secondary concern. Spray to limit further tree damage and nuisance.
Cas13		A persistent remnant population in very good habitat. Population was largely suppressed but does show some signs of rebound. Tree damage is primary concern, particularly in previously stressed trees. Population is adjacent to untreated Caledonia Township, so reinfestation is a concern. Spray to inhibit rebound, reduce chances of reinfestation, and limit further tree damage.
Cas14		A sustained population in good habitat. Population does show some signs of rebound, particularly in northwestern portion of block. Nuisance is primary concern and is confirmed by resident reports. Spray to inhibit rebound and reduce nuisance.
Cas15	116	A persistent remnant population in prime habitat. Nuisance is primary concern, but tree damage is also a concern especially in previously heavily infested trees. Population is continuous with populations in adjacent Lowell and Caledonia Townships, so reinfestation is possible. Spray to inhibit reinfestation, mitigate nuisance, and limit further tree damage.

Total Acreage = **755 acres**

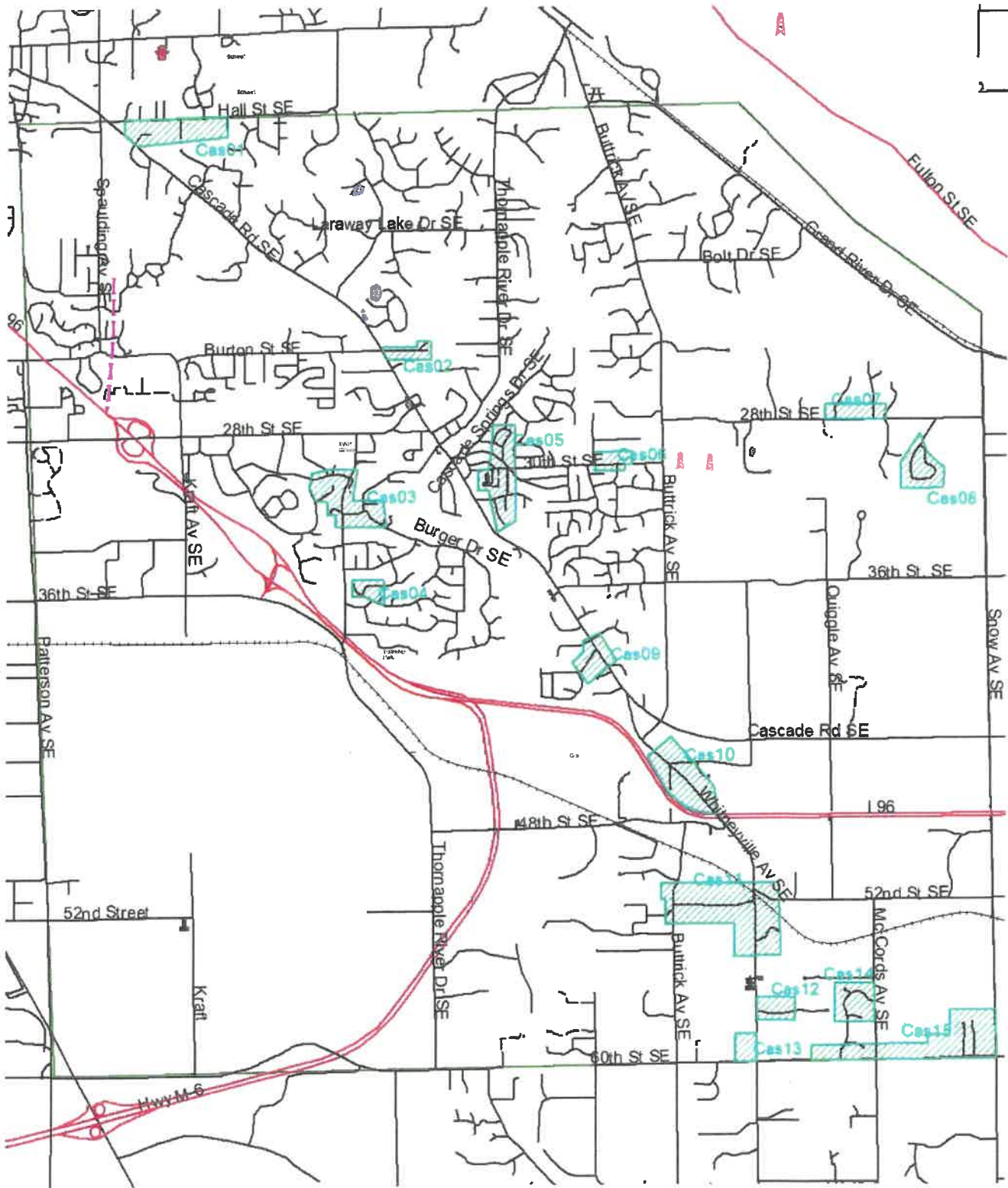
As stated in previous reports to Cascade Township, gypsy moth suppression programs in Michigan generally follow an Integrated Pest Management (IPM) strategy which is focused on low environmental impact and economic awareness. Further, an IPM strategy intends to mitigate exponential population growth with treatment only until latent environmental controls begin to limit populations sufficiently. This approach requires that a monitoring period be commenced once environmental controls begin to act on populations sufficiently where tree damage is expected to be minimal and nuisance levels will be tolerable in the coming season. Egg mass surveys for the 2020 season (fall 2019) showed that environmental controls had begun to act in various areas, so monitoring activities commenced in lieu of suppressive efforts. Considering the low number of complaints, and low defoliation levels observed in the 2020 post-spray survey, we are confident this was the correct approach. Several of these monitoring areas have continued a downward trend, but frustratingly a few have already started to rebound in number. In addition, some areas where environmental controls were not sufficiently active in the 2020 survey

continue to show high enough egg mass densities to warrant treatment in spring 2021. We have also found a few rising populations scattered around the township. When we combine all of these scenarios, **we feel we must recommend an increase of 19 acres for a total of 755 acres indicated above.** The current population cycle continues to be challenging, but we are headed the right direction (downward). We will just have to continue to stay on top of monitoring and treating remnant populations and small rebounds as we continue to reduce numbers in wait of mother nature's assistance. Accordingly, we advise that all recommended areas are treated with *Bacillus thuringiensis kurstaki* (B.t.k.) in Spring 2021.

The term "nuisance" is subjective and relates to the likelihood that the feeding behavior and number of caterpillars in the area will impact a property owner's quality of life. Some property owners may experience heavy infestation yet go unbothered. Other property owners may view 5-10 caterpillars visible on a barn door as a nuisance. Field experience during gypsy moth infestation suggests that the number of egg masses found in an area may yield a widespread nuisance situation. The term "tree damage" is more literal, but relative to environmental and historical factors as well. Any level of defoliation should be considered damaging, but otherwise healthy trees are generally much more resilient, even after consecutive years of defoliation. Other environmental stressors such as drought or disease are additive factors that will contribute to greater risk of tree degradation and/or mortality. Defoliation levels of >60% are also very stressful to trees, although most trees can survive 3+ years of >60% defoliation if few other stressors are present. Habitat quality relates to the species composition, density, distribution, understory, and topography of an area. Mixed forest type consisting primarily of oaks, neatly groomed understory, mixed age-class, and low topographic variability are the ideal conditions for persistent infestation, and so this habitat is designated as "prime" with very good, good, and marginal habitat in decreasing suitability. Trends in populations are designated by the egg mass residues in the area. Rising populations show a high new/old egg mass ratio, with established, sustained, and remnant populations extending toward a high old/new egg mass ratio.

Spray areas are recommended based on historical data, habitat suitability, population dynamics, and field experience in gypsy moth management. Other areas within the township may also contain some level of gypsy moth infestation, but such areas are either show a significant downward trend or habitat conditions do not exhibit high likelihood of a vigorous infestation. The level of damage and/or nuisance can be difficult to predict given the interaction of unpredictable environmental factors. Additionally, gypsy moth suppression program managers are often tasked with balancing high potential for damaging gypsy moth numbers with high community benefit. Areas where these considerations overlap are generally the areas that are treated first with available funds and areas of diminishing return are treated as funds are depleted. Our treatment recommendations take this into account, and we try to limit recommended spray areas to these top-tier areas. Accordingly, it is possible that some residents may observe low level gypsy moth activity outside of recommended treatment areas. These areas may have simply not met the requirements to warrant treatment this season but may qualify for treatment in coming seasons.

Cascade Township Gypsy Moth Survey Report Map for 2021 Season



Shaded areas are recommended for
aerial B.t. spray in Spring 2021



— Township Border
2021 Aquatic Consulting Services

Gypsy Moth in Michigan

Michigan State University Extension & Michigan State University Department of Entomology
& the Michigan Department of Agriculture

The following information was taken from the
Gypsy Moth in Michigan Homeowner's Guide

**MICHIGAN STATE
UNIVERSITY
EXTENSION**



WASHTENAW COUNTY

**Michigan State University
Extension**

705 N. Zeeb Road
P.O. Box 8645
Ann Arbor, Michigan
48107-8645

734/997-1MSU
Fax: 734/222-3990

msuextension@ewashtenaw.org
<http://extension.ewashtenaw.org>



Contents:

Gypsy Moth Management Starts at Home	2--3
Trees and shrubs defoliated by gypsy moth	4
Be careful about quick fixes for your gypsy moth problem	5
Be Careful with Pesticides!	5
Gypsy Moth Life Cycle.....	6
Comparison of Eastern Tent Caterpillar, Forest Tent Caterpillar and Gypsy Moth.....	7-8
A Natural Enemy of Gypsy Moth	9-10
Gypsy Moth Populations Growing	11

Michigan State University is an affirmative-action, equal opportunity employer. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status or veteran status.

Gypsy Moth Management Starts At Home

You are the first line of defense for protecting your trees and shrubs from damage by gypsy moth, other insects, nematodes and diseases. Being knowledgeable about the life cycle of the gypsy moth will pay off in money saved, labor expended and peace of mind.

Depending upon where you live in Michigan, gypsy moth outbreaks may last from two to several years or may never occur. Why gypsy moth populations explode from time to time is not entirely clear. Outbreaks will eventually collapse, usually from natural causes.

Until a local gypsy moth population crashes, however, there are several techniques that homeowners can employ to keep damage and nuisance to an affordable minimum.

Monitoring

Hopefully, the mind set of dragging the sprayer out of the garage and spraying insecticide on trees and shrubs just because something might be out there lurking is no longer a part of the Michigander mentality. Years ago this was called "insurance spraying" when everybody was spraying chlorinated hydrocarbon insecticides (e.g., DDT) on everything that moved. We all know where that got us!

Take time to inspect your trees and shrubs periodically for the various life forms of gypsy moth. Especially look for the caterpillars when they begin to hatch, usually in early May.

Contrary to popular belief, population explosions in a locality do not happen suddenly! An area will undergo a gradual population buildup for a time before the population goes into a phase of rapid release. This gives vigilant homeowners, neighborhoods and communities time to assess local conditions and take appropriate action.

The gypsy moth is in the egg mass form for nearly nine months, plenty of time to find and destroy them before they hatch in the spring. While it may not be possible to find and destroy all of the egg masses in and around your backyard, this activity will complement management activity taken in the spring.

Management Non-Pesticide Techniques:

Water and Fertilize

We often take trees and shrubs for granted, figuring that they are indestructible and meant to last forever. Trees and shrubs have specific nutrient and water requirements. Take the time to determine what they need, and water and fertilize properly. There are bulletins available at all county extension offices and garden centers. Most insects and diseases select trees and shrubs that are being stressed. Keeping your trees and shrubs healthy will reduce the pests and diseases attracted to your foliage and lessen the damage done if they are attacked.

Sanitation

Keep your yard as clean as possible. Remove discarded items, dead branches (from the ground and out of the trees), stumps, etc., where the adult female moth is likely to lay egg masses. It is very important that homeowners be watchful when obtaining firewood from areas infested by the gypsy moth. A good rule of thumb is to never get more firewood in the summer or fall than you can burn by spring.

Each fall, check recreation vehicles (boats, trailers, campers, etc.) for gypsy moth egg masses. Vehicular movement is how gypsy moth came to Michigan.

Destroy Egg Masses

As mentioned, gypsy moth egg masses are around for nearly nine months before they hatch. Homeowners can help reduce gypsy moth population on their property and in their neighborhood by seeking out and destroying egg masses each year.

When a gypsy moth caterpillar is about to pupate, it will look for a protected area such as a loose flap of bark, something flat nailed to a tree, woodpile of the underside of branches, etc. Once a suitable location is found, it weaves a loose net of silk around itself and

transforms into a pupa. This is the resting state where the caterpillar undergoes the miracle transformation from caterpillar to moth. This takes about two weeks.

Upon emergence, the female gypsy moth is creamy white and has a wingspan of about two inches. The male moth is smaller in size and camouflage brown with black mottling. Both have a distinguishing mark on their forewings: an inverted black V often referred to as a chevron marking.

The female generally deposits egg masses from early July to mid-August depending upon local weather conditions. The female cannot fly, so she will lay egg masses near where she was in the pupal (cocoon) stage.

The adult female lives about a week. Her only purpose in life is to breed as quickly as possible and lay her eggs. She cannot fly, so she emits a chemical odor to attract the nearest male for mating, the male flies off to mate several more times before dying. After mating, the female spends about a day depositing her egg mass, falls to the ground and dies. Neither the male or female moth feed.

Each egg mass can contain from 50-1,000 eggs. The eggs are intertwined in a matting of hair from the body of the female. The hair is a tan-buff color and helps insulate eggs.

The egg masses begin hatching the following May. Hatching coincides with the bud break of aspen and the flowering of serviceberry.

Homeowners are encouraged to search out and destroy egg masses. This is accomplished by scraping them from the surface to which they are attached into a coffee can or similar receptacle. They can be buried or burned. Remember that each egg mass destroyed probably eliminated 400-500 caterpillars. Destroying egg masses is not a cure all. Many times egg masses are overlooked or inaccessible. However, it is a very good and certainly very cheap way to significantly impact the gypsy moth population in your yard and neighborhood.

Continued on page 3

Barrier Bands

Sticky, or slippery bands can be placed around tree trunks to help curtail, though not necessarily prevent, the caterpillars movement into and out of the tree canopy.

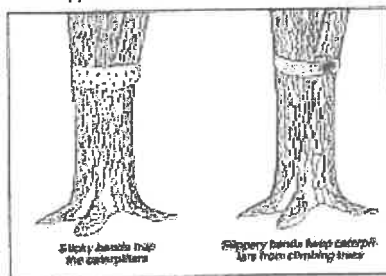
Sticky bands can be purchased or made using a nonporous material that can be wrapped around a tree trunk, then coated with a commercially made, vegetable-based sticky material. **Never put sticky material directly on the tree trunk.** This will permanently stain the bark and may harm the tree.

Sticky bands should not be put on the tree until the caterpillars are about an inch long. Smaller caterpillars usually stay in the tree canopy. Sticky bands eventually lose their effectiveness due to rain and other weather factors, the sticky material has to be reapplied periodically. Bands covered completely with caterpillars need to be cleaned or replaced.

Slippery bands are also intended to interrupt the daily migration of the caterpillar. They prevent the caterpillar from climbing up into the canopy.



Gypsy moth caterpillars use cloth bands to hide during daylight hours. Scrape the caterpillars into a bucket of soapy water



Hiding Bands

Cloth, or hiding bands, can be homemade from medium weight dark cloth about 12 to 18 inches wide and long enough to completely wrap

around the tree. Fasten each band at chest height around the tree with twine, cord or wire about midway from the bottom of the cloth. Then fold the top part of the cloth down over the bottom half.

Caterpillars descending the tree in the morning in search of a secluded daytime resting spot will hide under the flap of the band. Remove and destroy caterpillars each day by scraping them into a bucket of soapy water.

Pesticide Techniques

Biological Pesticide

Many pesticides are registered for use against gypsy moth in Michigan. A biological pesticide commonly used on gypsy moth is *Bacillus thuringiensis* var. *kurstaki*. B.t. is a common soil bacteria. It is commercially formulated and sold under various labels (e.g., Dipel, Foray, Thuricide and Bactur to name a few). B.t. can be applied from the ground or by aerial spraying.

B.t. formulations are quite safe to humans. There is no apparent human toxicity, although there have been rare cases of allergic reaction by humans to certain formulations of B.t. In fact, B.t. is only known to be toxic to the caterpillars of moths and butterflies. While there are many species of caterpillars affected by B.t., this pesticide is the most "selective" product available.

To be effective in minimizing defoliation, B.t. must be applied when caterpillars are less than one inch long. As caterpillars get larger, the efficacy of B.t. diminishes. B.t. has a reported residual activity (i.e. how long it remains potent) of about a week. It is broken down by sunlight. In instances where there are very high gypsy moth populations, two applications five days apart might be needed.

Most chemical pesticides are 95% - 99% effective. B.t.k. is probably is 80% - 85% efficient in field applications. This is a desirable attribute of B.t.k.. That may sound like a contradiction, but it isn't. Pesticides that are highly efficient will eventually work against the pest manager. Insects, through natural selection, will develop resistance to the pesticide. By

leaving 15% of the population intact, selection for resistance is slowed. B.t.k. has been used against gypsy moth for over twenty-five years and no resistance has been discovered. There is, quite naturally, a trade off. When B.t.k. is applied there are still some caterpillars crawling around. However, nuisance is reduced to a minimum, defoliation lowered below damaging levels.

Soap and Water

In addition to destroying egg masses, homeowners can use other non-pesticide methods to reduce defoliation of their yard trees.

Watch for the appearance of the small caterpillars in the spring. A garden hose has sufficient water pressure to knock them off the foliage. Spraying them with water under pressure kills many of them.

Garden centers carry various brands of "insecticidal soap." An insecticidal soap is not a soap with a synthetic insecticide but instead refers to the ability of the soap to kill certain insects. Spraying gypsy moth caterpillars with a hose with an attachment to dispense soap can be effective. Always follow label directions on the insecticidal soap container. Small and large caterpillars can be drowned when submerged into a bucket of soapy water.

Chemical Insecticides

A number of chemical pesticides are registered against gypsy moth in Michigan. Many are available at your local garden center or nursery. Some of the most common are formulations of acephate, carbaryl, and malathion.

If you choose to use chemical insecticides, apply them judiciously and wisely. Besides gypsy moth they can have a potential impact on a variety of beneficial insects, including valuable predators, parasites and honeybees.

Regardless of what insecticide you choose, read the label instructions and follow them exactly. If you have any potential personal health concerns regarding pesticides, discuss them with a physician or contact your local health department.

Trees and shrubs defoliated by gypsy moth

Although gypsy moth caterpillars feed primarily on deciduous tree species such as oak or aspen, this insect is known for its wide-ranging appetite. When populations of gypsy moth are very high, the caterpillars quickly devour the leaves of their preferred host tree species. Once their favored food source disappears, the hungry caterpillars do not hesitate to seek out new sources of food. When this occurs, almost any deciduous or conifer tree, shrub or other landscape plant may be at risk of suffering some amount of defoliation.

Consequently, it is difficult to state exactly how susceptible a tree or shrub species is to defoliation by gypsy moth caterpillars. Therefore, the following list is offered only as a guide to homeowners. This list does not guarantee that any species listed as minimally at risk will never be defoliated by the gypsy moth.

More importantly, homeowners need to recognize that gypsy moth caterpillars do have preferences for certain types of trees and thrive best on those species. Typically these favored food sources are usually the first ones attacked in a homeowner's yard, especially tall, large crowned trees. These are the trees most likely at risk to defoliation.

Generally speaking, when gypsy moth caterpillars move into less preferable food sources, the caterpillars do not thrive as well and often only cause minor damage.

However, regardless of this insect's food preferences, close inspection of yard trees and outdoor fixtures and prompt action by the homeowner to destroy egg masses and small caterpillars is crucial. This is the real key to minimizing the discomfort and, to some degree, the defoliation caused by large numbers of gypsy moth caterpillars.

If a homeowner is able to minimize the amount of defoliation from the gypsy moth, it will lessen the overall impact on tree health. When a hardwood tree is heavily defoliated, the needed energy to regrow a new set of leaves causes stress. This stress often weakens a tree which may lead

to additional tree health problems.

Moreover, conifer species, such as spruce or pine, are at greater risk than hardwoods because conifers are not able to regrow needles lost to defoliation. Thus complete defoliation of conifers by gypsy moth is usually fatal.

Trees and Shrubs Most at Risk to Defoliation

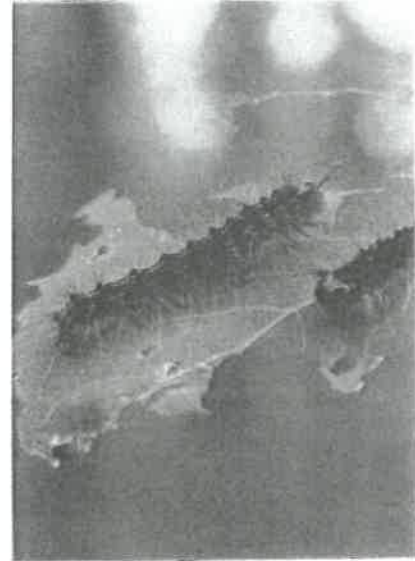
All Oak (*Quercus*).
All aspen and poplar (*Populus*).
Gray, paper (white), and river birch (*Betula*).
All willow (*Salix*).
All apple and crabapple (*Malus*).
All thornapple and hawthorne (*Craetagus*).
White pine (*Pinus*).
Blue spruce (*Picea*).
American beech (*Fagus*).
Basswood (*Tilia*).
Sweetgum (*Liquidambar*).
Juneberry or serviceberry (*Amelanchier*).
Witch hazel (*Hamamelis*).
Hazelnut (*Corulus*).
Mountain ash (*Sorbus*).

Trees and Shrubs Somewhat at Risk to Defoliation

Black walnut and butternut (*Juglans*).
All cherry and plum (*Prunus*).
Norway, red and sugar maple (*Acer*).
Hophornbeam or ironwood (*Ostrya*).
Alder (*Alnus*).
Elm (*Ulmus*).
Hickory (*Carya*).
Eastern redbud (*Cercis*).
Sassafras (*Sassafras*).
Paw paw (*Asimina*).
White and Norway spruce (*Picea*).
Balsam fir (*Abies*).
Eastern hemlock (*Tsuga*).
Red, jack, scotch and Austrian Pine (*Pinus*).

Trees and Shrubs at Minimal Risk to Defoliation

Ash (*Fraxinus*).
Tulip tree or yellow poplar (*Liriodendron*).
Sycamore and London plane tree (*Plantanus*).
Northern catalpa (*Catalpa*).
Honey locust (*Gleditsia*).
Black locust (*Robinia*).
Horsechestnut (*Aesculus*).
Dogwood (*Cornus*).



Gypsy moth caterpillars prefer to eat leaves of certain tree species, including poplar.

Eastern redcedar (*Juniperus*).
Juniper (*Juniperus*).
Yew (*Taxus*).
Lilac (*Syringa*).
Azalea (*Azalea*).
Rhododendron (*Rhododendron*).
Arborvitae (*Thuja*).
Viburnum (*Viburnum*).

Homeowners considering planting trees or shrubs in areas prone to high gypsy moth population build-ups should choose species that are at minimal risk to defoliation. Contact your local MSU Extension office for bulletins and information on tree selection, planting and care.



Be careful about quick fixes for your gypsy moth problem

Struggling with the effects of the gypsy moth can be frustrating enough without unscrupulous people trying to take advantage of the homeowner by offering quick fixes.

There are no quick fixes, declares Russell Kidd, MSU Extension district forestry agent in Roscommon County.

He advises homeowners to be wary of products or services that promise or imply they can end gypsy moth problems in the backyard or woodlot.

Be careful of salespeople who want to spray your trees with chemicals that are "guaranteed" to control the gypsy moth. In some cases, these may be worthless or even dangerous.

Homeowners should ask what chemical is to be used, its hazard, what its effect will be and what precautions will be taken to minimize spray drift to nearby objects.

Homeowners should also ask to see proof that the company and the individual are certified and licensed to

apply such a material. Michigan law requires that commercial pesticide spraying companies be certified and licensed by the Michigan Department of Agriculture.

Remember that chemical sprays are effective only during the caterpillar stage of the gypsy moth. Spraying trees before the eggs hatch or after the caterpillars have pupated or emerged as adults moths is worthless. (See the gypsy moth life cycle chart).

Be wary of unrealistic claims about products or techniques to rid your property of the gypsy moth by themselves.

Some products, such as sticky bands, are indeed useful, but they will not control the gypsy moth completely, especially when used alone. Only a combination of control treatments, used diligently by the homeowner, will achieve satisfactory control of the gypsy moth.

Other products may not do what their names imply. Take, for instance, the gypsy moth trap. The

purpose of the trap is to attract and capture the adult gypsy moth.

Traps are used to monitor gypsy moth populations. They will not control or eliminate next year's gypsy moth problem in your yard because one adult male moth can mate with many female moths and one or two traps will not capture enough males to interfere with mating or cause the population to decline significantly next year.

Be very careful about timber buyers who offer to buy standing trees that have been defoliated. Unscrupulous timber buyers may use gypsy moth infestations in an area as a scare tactic to persuade people to sell valuable timber at low prices before the tree die.

Timber owners should always consult with professional foresters before they decide to sell any standing timber.

Your county MSU Extension office can provide the names of professional foresters in your area.



Be careful with pesticides!



Use proper recycling procedures for disposing of pesticide containers.

This publication contains pesticide recommendations based on research and pesticide regulations. However, changes in pesticide regulations occur constantly. Some pesticides mentioned may no longer be available, and some may no longer be legal. If you have questions about the legality and/or registration status for using pesticides, contact your MSU Extension county office.

To protect yourself and others and the environment, always read the label before applying any pesticide. For information about pesticide labels see Extension Bulletin E-2182 *Reading a Pesticide Product Label*.

For more information about pesticide safety, see Extension Bulletin E-2215, *Using Pesticides Safely: A Guide for the Applicator*. Extension Bulletin E-1546 *Take Cover! Protect Yourself from Exposure (Pesticides)*.

For more information about safe disposal of pesticide containers see Extension Bulletin AM-95 *Rinsing and Recycling Pesticide Containers*.

Dozens of other Extension bulletins on safe application of pesticides are also available.

Gypsy Moth Life Cycle

1) Small Larvae. This stage lasts for 7-10 days after eggs hatch in early May (or sooner in warmer weather). Larvae are less than 1.2 inch long and usually black. They linger around the egg cluster for several days if the weather is cool or rainy, then climb trees or other objects, trailing silken threads as they move. When the larvae reach the top of the tree, they do not feed but drop on silken threads and are dispersed by the wind.

2) Large Larvae. Feeding at night for 4 to 6 weeks, large larvae generally rest during the day unless populations are very large, then they wander constantly. They grow until they are about 2 inches long.



1. Small Larvae—May



2. Large Larva—June



3. Pupae—July



4. Adults—August

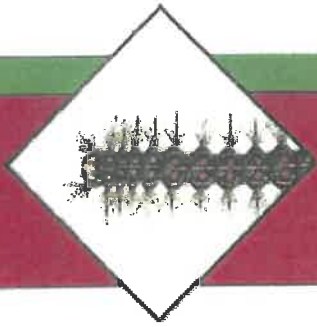


5. Egg masses—August

3) Pupae. During this stationary stage the larvae are changing into moths. This generally occurs from the end of July until early August. After about 10 days in the dark colored pupal cases, the adult moths emerge, leaving the pupal cases behind.

4) Adults. The female moth is creamy white and does not fly but emits a chemical called a pheromone to attract a male moth. The male is brownish and flies in a zigzag pattern looking for the female. A single male can mate with many females. Both sexes have chevron markings (V or notch-shaped marking) on each forewing.

5) Egg masses. The buff-colored egg masses contain between 50 and 1,500 eggs. The female deposits the eggs on any convenient surface. The masses are usually covered with hairs from the female's abdomen. The egg masses are quite cold resistant and can survive temperatures as low as -20 degrees F. Egg masses hatch during May.



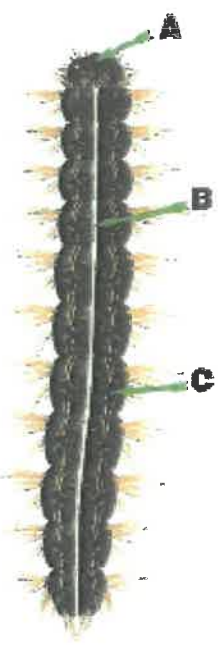
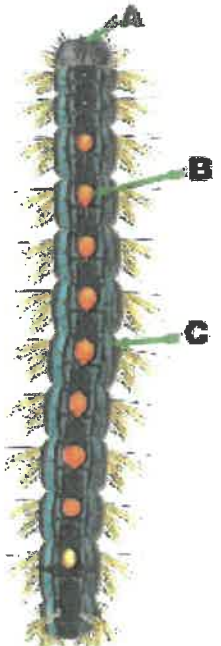
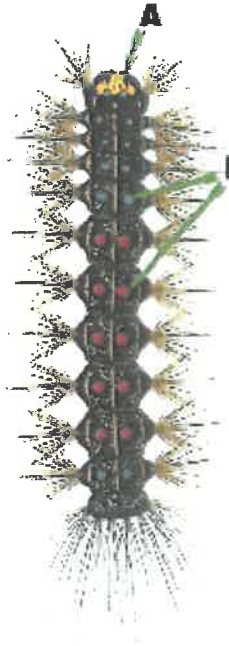
Comparison of the Eastern Tent Caterpillar, Forest Tent Caterpillar and Gypsy Moth

Michigan State University Extension

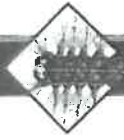
These three insects are often found feeding on the leaves of hardwood trees early in the summer. They can be easily confused with one another. The illustrations and information here will help you to identify which caterpillar is feed-

ing on your trees. Contact your local MSU Extension office or regional Dept. of Natural Resources office for more information on the biology and management of these insects.


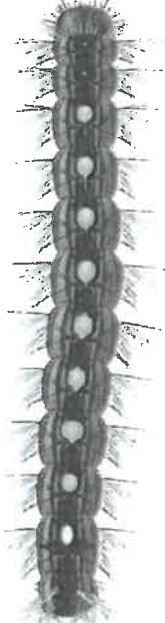
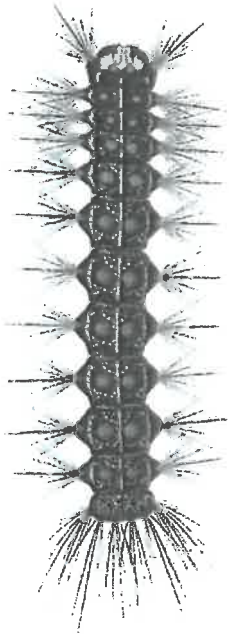



Illustration by Peter Castrogiovanni

			
	<p>Eastern Tent Caterpillar <i>(Malacosoma americanum)</i></p>	<p>Forest Tent Caterpillar <i>(Malacosoma disstria)</i></p>	<p>Gypsy Moth Caterpillar <i>(Lymantria dispar)</i></p>
Markings	<p>A) Dark head; B) prominent white or yellow stripe down the center of the body; C) small blue spots to the side.</p>	<p>A) Blue head; B) prominent central row of white or yellow markings in keyhole or footprint shape; C) bluish on sides of body.</p>	<p>A) Yellow head with black markings; B) prominent blue and red spots.</p>
Tents	<p>Prominent silk tent: in branch junction.</p>	<p>They do not spin silk tents; rasping sites on leaves may have small silk layer.</p>	<p>No silk tents.</p>

(2007)



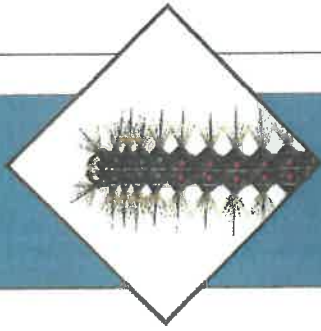
Comparison of the Eastern Tent Caterpillar, Forest Tent Caterpillar and Gypsy Moth

			
	Eastern Tent Caterpillar <i>(Malacosoma americanum)</i>	Forest Tent Caterpillar <i>(Malacosoma disstria)</i>	Gypsy Moth Caterpillar <i>(Lymantria dispar)</i>
Egg Mass	Dark, spindle-shaped mass wrapped around twigs; rough varnished texture. 	Similar to eastern tent caterpillar. 	Tan color; covered with fine hairs; 1 to 3 inches long; usually on tree bark. 
Preferred Host Trees	Black cherry, apple, crabapple.	Aspen, sugar maple, oaks, birch, black gum.	Oaks, aspen, birch, willow and more than 250 other species.
Populations	Native insect; silk tent is unattractive, but feeding rarely harms trees; common pest of ornamental trees in urban settings.	Native insect; outbreaks occur at roughly 10-year intervals and usually last 2 to 4 years; most common in forests, especially where aspen is abundant.	Exotic pest; severe defoliation during outbreaks can occur for 2 to 3 years in urban and forested areas, especially where oaks are abundant.

MICHIGAN STATE UNIVERSITY EXTENSION

MSU is an affirmative-action, equal-opportunity institution. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, marital status, or family status. * Issued in furtherance of Extension work in agriculture and home economics, acts of May 8 and June 30, 1914. In cooperation with the U.S. Department of Agriculture. Margaret A. Bethel, Extension director, Michigan State University, E. Lansing, MI 48824. * This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by MSU Extension or bias against those not mentioned. This bulletin becomes public property upon publication and may be printed verbatim with credit to MSU. Reprinting cannot be used to endorse or advertise a commercial product or company.

Revised 6:02 - 10M - KMF - JP -- Price: 30¢, single copy free to Michigan residents. File 27.35 (Pests and Pest Management)



Entomophaga maimaiga - A Natural Enemy of Gypsy Moth

Michigan State University Extension

Lyle Buss
M.S. Research Assistant
Dept. of Entomology
Dept. of Forestry
Michigan State University

Dr. Deborah McCullough
Assistant Professor
Dept. of Entomology
Dept. of Forestry
Michigan State University

Dr. David R. Smitley
Associate Professor
Dept. of Entomology
Michigan State University

The gypsy moth (*Lymantria dispar* L.) is an exotic pest of urban and forest trees. Gypsy moth caterpillars feed on the leaves of oaks, aspens, and many other hardwood and conifer trees. During gypsy moth outbreaks, trees may be completely stripped of leaves. Although gypsy moth caterpillars rarely kill trees by themselves, trees weakened by heavy defoliation may become more susceptible to drought, disease or other insect pests. In addition, the large hairy caterpillars annoy people living or recreating in outbreak areas.

Managing gypsy moth requires the integration of a variety of control tactics. Biological control, the use of natural enemies to control a pest, can be an important part of an integrated pest management program for gypsy moth. One biocontrol agent that has recently shown much promise is a fungal pathogen, *Entomophaga maimaiga*.

Origin of *Entomophaga maimaiga*

Entomophaga maimaiga is a common disease in gypsy moth populations in its native country of Japan. The fungus was first released into the United States near Boston in 1910 as part of a program to introduce natural enemies of gypsy moth. Scientists could find no evidence that the fungus had become established and the project was abandoned a few years later. However, the fungus appeared unexpectedly in several northeastern states in 1989 and caused high mortality in many gypsy moth populations. Although scientists have several theories, the strange reappearance of the fungus is still a mystery.

Entomophaga maimaiga was first brought into Michigan in 1991 by scientists at Michigan State University and the USDA Forest Service. It was released in three sites in northern lower Michigan and monitored closely.

Additional introductions have since occurred and the fungus also is spreading naturally. *Entomophaga maimaiga* has now been found throughout most of Lower Michigan.

Life history of *Entomophaga maimaiga*

Entomophaga maimaiga passes the winter as a tough, thick-walled "resting spore" in the soil and on tree bark. In May and June, resting spores germinate and produce sticky spores at the end of a stalk that grows just above the soil surface. Gypsy moth caterpillars come into contact with these spores in the spring as they search for suitable leaves to feed on. The fungus digests its way through the exoskeleton of the caterpillar and grows inside the body of the caterpillar. Infected caterpillars may die within one week.

When young caterpillars are affected early in the summer, the fungus will produce a second type of spore called conidia. These microscopic spores are spread by the wind and can infect other caterpillars. The cycle of conidia production and infection may occur four to nine times during the summer. When the fungus develops in large caterpillars, it produces the overwintering resting spores.

Weather plays an important role in determining how effective *Entomophaga maimaiga* will be. Like most fungi, its spores need moisture and high humidity to germinate. Frequent rainfall during May and June contributes to the start and spread of *Entomophaga maimaiga* through a gypsy moth population. Temperatures of 50 to 80 degrees F enhance fungal growth.



Entomophaga maimaiga – A Natural Enemy of Gypsy Moth



Figure 1. Gypsy moth larva killed by NPV hanging in an inverted "V" position.



Figure 2. Dead larva covered with conidia of *Entomophaga maimaiga*.

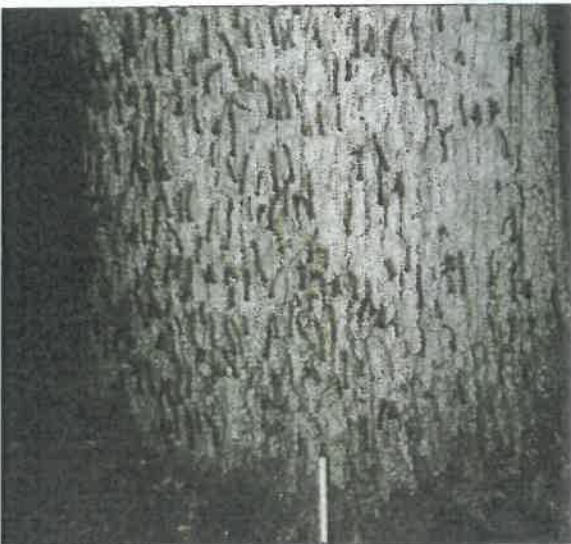


Figure 3. Larvae killed by *Entomophaga maimaiga* often remain attached to trees.

Distinguishing *Entomophaga maimaiga* from NPV

Another disease is common in outbreak populations of gypsy moth. NPV (nuclearpolyhedrosis virus) is a virus disease that often causes gypsy moth outbreak populations to collapse. One important difference between the two diseases is that NPV is seldom prevalent until gypsy moth populations reach very high levels. In contrast, *Entomophaga maimaiga* may be found even when gypsy moth populations are low.

Caterpillars killed by NPV often remain attached to the stem or branches of trees. The bodies of the dead caterpillars are soft, filled with a brown liquid and disintegrate rapidly. Usually they hang limply in an upside-down "V" position (Fig. 1).

Caterpillars killed by *Entomophaga maimaiga* will also remain attached to tree stems or branches. However, the bodies tend to be stiff and straight, and the legs extend stiffly from the body. Some of the dead caterpillars may have tiny white conidia attached to the hairs on the body (Fig. 2). The cadavers may remain on the stem well into autumn (Fig. 3).

The future of *Entomophaga maimaiga*

Entomophaga maimaiga may become an important biological control of gypsy moth in both low and high populations. Infections may be more common in years with rainy spring weather than in years with dry spring weather. Scientists have found that the fungus is established in a number of areas in Michigan. Laboratory and field studies have shown that *Entomophaga maimaiga* is host specific and poses little risk to other insect populations. It will not affect other animals or humans. Introductions and evaluation will continue. Although there is not likely to be any "silver bullet" for gypsy moth, *Entomophaga maimaiga* should improve our ability to manage this pest in Michigan.

MICHIGAN STATE UNIVERSITY EXTENSION

MSU is an Affirmative-Action Equal-Opportunity Institution. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, marital status, or family status.

Issued in furtherance of MSU Extension work in agriculture and home economics, acts of May 8, and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Margaret A. Bethel, acting Extension director, Michigan State University Extension, E. Lansing, MI 48824.

This information is for educational purposes only. Reference to commercial products or trade names does not imply endorsement by the MSU Extension or bias against those not mentioned. This bulletin becomes public property upon publication and may be reprinted verbatim as a separate or within another publication with credit to MSU. Reprinting cannot be used to endorse or advertise a commercial product or company.

Rep. 5:01-5M-KMF-CP-Price \$.50. Single copy free to Michigan residents. File 27.35 (Pests and Management)

Gypsy Moth Populations Growing

Robert Bricault, MSU Horticulture Educator

One of the hardest lessons I learned over the years is that information taught in the past may not be remembered tomorrow. Gypsy Moth management was the central focus of my career from 1985 through 1999. I worked in landscaping in Midland and Isabella Counties when Gypsy Moths caused the first defoliation in Michigan in 1985. During the 1990's the insect moved into Southeast Michigan where it continued it's destructive pattern of ravenous eating, stripping thousands of trees of their leaves.



By 1994, Extension worked with the Michigan Department of Agriculture mapping out areas with large Gypsy Moth egg mass counts for aerial spraying with the bacteria, Bt (*Bacillus thuringiensis*). Bt did not kill the caterpillars quickly, but made them sick by changing the pH in their stomachs. Eventually they stopped eating and starved to death.

Bt helped to reduce the population not eliminate it, giving parasites, predators and pathogens a chance to develop. A pathogen called NPV, nucleopolyhedrosis virus, began killing large number of caterpillars leaving them hanging in an upside down V on tree trunks. Unfortunately, NPV only worked well when populations of the insect were very high. A real break came when a soil borne fungus, *Entomophaga maimaiga* started to kill off large numbers of caterpillars in midsummer leaving them hanging straight down on tree trunks. The fungus was effective even in sites with low numbers of Gypsy Moths present. The fungus spreads during periods of consistent rainfall in late spring and early summer. Gypsy Moth populations have been at very low numbers for the past eight years in Washtenaw County mostly due to the *Entomophaga* fungus.

The drought of 2007 reduced the development of the fungus allowing more caterpillars to survive, change into moths and lay eggs. The increasing population of caterpillars led to localized defoliation of trees. The worst damage was on Blue Spruces. Fortunately, we did experience good rainfall in June 2008, allowing the *Entomophaga* fungus to spread and kill many caterpillars. Enough Gypsy Moth did survive in 2008 to produce larger numbers of egg masses than we have seen in over six years. This may cause some localized defoliation of trees again this coming summer, increasing the need to educate residents on managing this pest.

Gypsy moth eggs hatch in mid spring usually about the time serviceberry is in bloom. People often confuse Gypsy Moth with other caterpillars that make tents or webs in trees. Gypsy Moth can hang from silk like strands from a branch but do not make webbed tents. They can spread by wind while hanging from this thread. At this early stage they are susceptible to Bt. Bt works well on young caterpillars, but is ineffective once they get beyond an inch long. Trees can be banded with burlap to trap caterpillars that seek shelter under the burlap during the day. Unfortunately, in blue spruces it is

hard to manage them through banding. Once in the moth stage Gypsy Moth does not feed. The brown male moths can be seen flying around searching for the white female moths that do not fly. The female leaves behind buff colored egg masses that are easy to see.



Fall and winter are great times to go hunting for the buff colored egg masses in trees. If you have spruces check under the branches for the egg masses. If you find egg masses on structures, outdoor furniture or trees, knock them off into soapy water. This sanitation practice greatly reduces the number of caterpillars the following year. Some of their favorite trees include oak, birch, apple, willow, hawthorn, white pine, blue spruce, serviceberry and poplars, but they will eat leaves from maples and other trees that are not their most preferred species. If large populations are found damaging trees it may become necessary to treat the trees with an insecticide. The greatest risk is to evergreens like blue spruces and white pines that do not come back from defoliation as well as deciduous trees will. If using a pesticide make sure it is labeled for control of Gypsy Moth.



We are often asked why the county is not still part of the state's suppression program. The need for the program in Washtenaw and across Michigan declined as Gypsy Moth levels dropped very low across the state. The State's Suppression program actually ended in 2006 and also the availability of federal dollars to assist communities in aerial spray programs. The suppression program did what it was supposed to do, reducing the insects population long enough for other forces that help control Gypsy Moth to develop in our ecosystem.

Through careful monitoring, sanitation practices, banding as well as localized pesticide treatment, you can help to keep Gypsy Moth in check while allowing natural pathogens, predators and parasites to gain back a balance of control. Our hope is that nature will continue to keep Gypsy Moth populations at low levels in most years and eliminate the need for large scale spray programs. If you find large local Gypsy Moth infestations please share this information with the Horticulture staff at the MSU Extension office: 734 997-1678 or contact the Master Gardener Hotline from mid April through October at 734 997-1819.

**Gypsy moth and gardening questions phone:
Washtenaw County, MSU Extension
Master Gardening Hotline at: 734 997-1819**

**Master Gardener Volunteers are available:
mid April through October
Monday through Thursday
9:00 a.m. – 12:00 noon
1:00 p.m. – 4:00 p.m.**

At other times phone the MSU Extension office at 734 997-1678



Gypsy moth caterpillar feeding on oak leaf.
Photo by Clifford Sadof, Purdue University.

Btk: One management option for gypsy moth

Authors: Deborah G. McCullough, Ph.D., Professor, Dept. of Entomology and Dept. of Forestry, Michigan State University

Leah S. Bauer, Ph.D., Research Entomologist, Northern Research Station, U.S. Dept. of Agriculture, Forest Service

Update MSU Extension bulletin E-2421 - May 16, 2019

Gypsy moth (*Lymantria dispar* L.), an invasive pest native to Europe, was introduced into Massachusetts in 1869 by a well-meaning, but clearly misguided, amateur naturalist. Despite many efforts to contain this pest, gypsy moth populations have continued to expand. People can accidentally move gypsy moth egg masses or other life stages into new areas, which greatly increases the rate of spread. Populations of gypsy moth are now found across much of the eastern United States and Canada.

Gypsy moth was first discovered in central Lower Michigan in the 1950s, and the first outbreaks occurred in this area in the mid-1980's. By the late 1990's, much of Lower Michigan and areas in the Upper Peninsula had experienced a major gypsy moth outbreak. Today, gypsy moth is present in all Michigan counties. During most years, gypsy moth populations are low and few people even notice them. Occasionally, however, the density of a local gypsy moth population builds to outbreak levels.

Gypsy moth outbreaks typically last two to four years, then collapse, usually because the caterpillars die from viral and fungal diseases. Parasitoids, predators, starvation and unfavorable weather may also help reduce gypsy moth numbers. Once an outbreak collapses, the population will remain low for some time, often several years.

A gypsy moth outbreak can be unpleasant for people who live, work or enjoy outdoor recreation in affected areas. Large hairy caterpillars can be abundant in forests, campgrounds and parks, and in residential areas. The caterpillars often wander in search of cool, shady areas, often resting on the sides of houses and trees during the day. Frass (insect feces) produced by the caterpillars feeding on leaves in the tree canopies can rain down on driveways, sidewalks and picnic tables. Oaks and other favorite host trees can be heavily defoliated, usually between late June and mid-July.

Gypsy moth completes one generation each year. Tiny gypsy moth caterpillars hatch from eggs sometime between late April and mid to late May. Newly hatched caterpillars disperse by hanging from a silk strand and waiting to be carried in the wind. The caterpillars feed for six to eight weeks on the leaves of trees in forested, rural, suburban and urban areas. By the time caterpillars finish feeding, they may be 2 to 3 inches long.

Oak trees are usually their favorite hosts, but gypsy moth caterpillars can feed on many other hardwood trees including aspen, basswood (linden), willow, birch and crabapple. When populations are high, caterpillars sometimes feed on spruce, pines or other conifer trees. In fact, gypsy moth caterpillars can feed on at least 300 different species of trees and woody shrubs.

Hardwood trees (those that lose their leaves in fall) can tolerate two or three years of severe or even complete defoliation if they are reasonably healthy. Often, severely defoliated hardwood trees produce a second set of leaves in midsummer, which allows the trees to build up energy for the next year. Producing the second set of leaves, however, can stress the trees, slowing growth and sometimes making the trees more vulnerable to other pests.

Unfortunately, conifers (evergreens) such as spruce, fir and pine trees cannot produce a second set of buds during the summer. If caterpillars consume all or nearly all the needles on conifer trees, the trees will die.

Though gypsy moth is here to stay, there are several options to help control this pest during outbreaks. One option involves spraying Bt to protect tree foliage and reduce the annoyance caused by gypsy moth caterpillars. Bt refers to a microorganism called *Bacillus thuringiensis*. Bt is widely used to control gypsy moth and certain other caterpillar pests

because of its effectiveness, ease of use and its low toxicity to other animals, including other insects. This publication is designed to answer some frequently asked questions (FAQs) about Bt.

What is Bt?

Bt is the abbreviation for *Bacillus thuringiensis*, a native bacterium commonly found in soil and on plants. Thousands of Bt varieties exist in nature, each with its own unique characteristics. Most Bt varieties are insect pathogens that cause disease in specific groups of insects, and several are registered with the U.S. Environmental Protection Agency (EPA) as microbial insecticides. Though Bt products can be highly effective in controlling specific insects, they have little impact on other animals. Therefore, sprays made with Bt pose much less risk of affecting non-target organisms than conventional chemical insecticide sprays.

The Bt products used to control gypsy moth during outbreaks are made from a strain known as *Bacillus thuringiensis* var. *kurstaki* HD-1, or more simply, as Btk. Btk has been used for gypsy moth control in the northeastern U.S. since 1961 and in Michigan since 1985.

The Btk formulation used for gypsy moth spray programs in Michigan is certified by the Organic Materials Review Institute (OMRI), a national nonprofit organization that approves products for organic growers, as regulated by the USDA National Organic Program. Btk is commonly used by organic gardeners and farmers, as well as some conventional farmers, to control caterpillar pests of fruits and vegetables.

How does Btk control the gypsy moth?

When Btk grows, it produces spores and non-living protein crystals. When gypsy moth caterpillars eat leaves that have been sprayed with Btk, the protein crystals dissolve in their digestive system and become toxic. This can occur only in caterpillars because of the many unique conditions present in their digestive system. For example, caterpillars have an alkaline digestive system, while humans and many other animals have acidic digestive systems.

Soon after caterpillars feed on leaves sprayed with Btk, they stop feeding. If the caterpillars consume enough Btk, they die after a few days from a combination of starvation, damage to their digestive system and bacterial growth within their bodies.



Newly hatched gypsy moth caterpillars on egg mass. Photo: Steven Katovich, USDA Forest Service, Bugwood.org.

There are a few unusual but important things to remember about the way Btk works:

- Btk must be eaten by caterpillars to be effective. Therefore, the leaves of trees or shrubs must be well coated with Btk.
- Young gypsy moth caterpillars are usually more sensitive to Btk than older, larger caterpillars. This is one reason why Btk should be applied soon after gypsy moth caterpillar eggs hatch. Timing of Btk applications depends on spring weather conditions and varies by location (see MSU's [Enviroweather's gypsy moth treatment guidelines](#)). Older, larger caterpillars may become ill, but can often survive a Btk application.

What are the ingredients in a Btk product?

Commercially available Btk products are composed of two major components: the active ingredients and the inert ingredients. The active ingredients in products used to control gypsy moth are Bt *kurstaki* HD-1 spores and protein crystals. Bt *kurstaki* HD-1 is a naturally occurring bacterium in the environment.

Inert (non-active) formulation ingredients are added to the Btk spores and crystals. These ingredients make it easier to mix, spray and store the product. These ingredients are food-grade additives that appear on the U.S. Food and Drug Administration's "[Generally Recognized As Safe](#)" list.

How does Btk differ from conventional chemical insecticides?

In contrast to Btk, conventional chemical insecticides are man-made or synthetic chemicals that usually affect the nervous systems of insects and other animals. These products can kill insects on contact or when eaten. This means conventional insecticides are capable of killing most non-target insects, including beneficial parasitoids and predators, and pose greater health hazards to humans and other animals.

How long does Btk last?

Most of the Btk sprayed on tree foliage is destroyed by sunlight and microbial activity within a few days. To help reduce gypsy moth populations and defoliation during an outbreak, tree foliage must be sprayed each year, ideally soon after gypsy moth eggs hatch.

Does Btk harm other insects?

Btk is much more selective than conventional

chemical insecticides, but it can affect other kinds of foliage-feeding caterpillars if they are also feeding on treated leaves. This is a good reason to use Btk only when gypsy moth populations are high. Some caterpillar species are more sensitive to Btk than gypsy moth, while others are less sensitive. Scientists have studied non-target species of caterpillars following Btk sprays for gypsy moth suppression. They found that populations of native caterpillar species tend to recover by re-colonizing areas relatively quickly.

Btk has little or no effect on the large majority of insects, including bees, lacewings, ladybird beetles and other beneficial species. This is a significant benefit of using Btk rather than conventional chemical insecticide products, which are toxic to many kinds of insects.

How safe is Btk for humans?

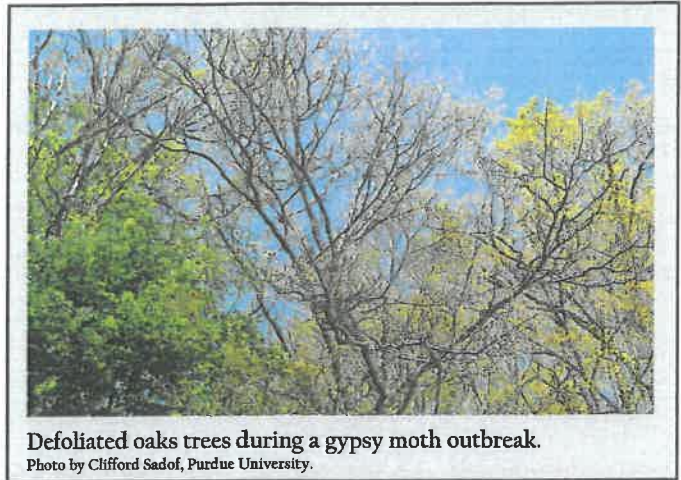
After 50 years of testing and widespread use, Btk has demonstrated minimal hazards to people and other mammals, birds, fish, beneficial insects and other non-target organisms. To ensure the continued safety of Btk for the public, the EPA administers an extensive system of regulatory safeguards. These include requirements for mammalian and environmental toxicology testing of the Btk active ingredients and formulated products. Quality control procedures are also in place to ensure the safety of each batch of Btk products.

As part of its regulatory function, a reassessment of Btk safety conducted by the EPA confirmed earlier findings, including: "...the lack of any reports of significant human health hazards of the various *Bacillus thuringiensis* strains..." (EPA document #EPA 738-R-98-004, available at: <https://archive.epa.gov/pesticides/reregistration/web/pdf/0247.pdf>).

Major studies were conducted in New Zealand when populated areas were repeatedly sprayed with Btk to eradicate another introduced pest, the white-spotted tussock moth¹. A key citation in a report on the New Zealand study stated: "...The data support the belief that they [*Bt kurstaki* products] can be safely used in environments in which human exposure is likely to occur." However, if you are concerned about your exposure to Btk, remaining indoors during the spray application is a good, common-sense strategy.

This publication was produced in part with support by the Crop Protection and Pest Management Program 2017-70006-27175 from the USDA National Institute of Food and Agriculture. Any opinions, findings, conclusions or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.

MSU is an affirmative-action, equal-opportunity employer, committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status or veteran status. Issued in furtherance of MSU Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Jeffrey W. Dwyer, Director, MSU Extension, East Lansing, MI 48824. This information is for educational purposes only. Reference to commercial products or trade names does not imply endorsement by MSU Extension or bias against those not mentioned.



Will Btk get rid of ALL my gypsy moth caterpillars?

It's important to realize that a Btk spray will not kill every gypsy moth caterpillar on your property. When Btk is applied properly, however, it can help protect your trees from serious defoliation and reduce the annoyance caused by high numbers of gypsy moth caterpillars during an outbreak.

Is it possible to buy Btk to spray caterpillars in my own garden?

Yes, several commercially available Btk products can be used to control caterpillars on shade trees, fruit trees or plants in the garden. Both liquid formulations and wettable powders are available from local garden stores. Be sure to follow the directions on the label.

Where can I get more information on Bt?

More detailed information on the use of Btk to control gypsy moth caterpillars during an outbreak is available from:

- The U.S. Forest Service's "[Bacillus thuringiensis for managing gypsy moth: A review.](#)"
- The Entomological Society of America's "[Is Bt safe for humans to eat?](#)"

¹1998 Report to the Ministry of Forestry prepared by Jenner Consultants Ltd., Parnell Auckland, New Zealand, to address issues raised in 1995 by Diane Wharton, Society Targeting Overuse of Pesticides, North Vancouver.



CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE, Grand Rapids, Michigan 49546

Date: April 14, 2021
To: Cascade Charter Township Board
From: Supervisor Grace Lesperance
Subject: Consider Appointments to Various Boards and Commissions

I ask that the Township Board confirm the following appointment to the Boards, Commissions and Committees of Cascade Charter Township:

Parks Committee

Matthew Douglas, PhD – Dr. Douglas holds a Bachelors Degree from the University of Michigan in Premedical Studies and English/Creative Writing, a Masters Degree in Aquatic Biology from Eastern Michigan University and a Doctorate in Evolutionary Biology and Biophysical Ecology from the University of Kansas. He currently serves as a Professor of Zoology and Anatomy and Physiology at Grand Rapids Community College and an Adjunct Professor in the Department of Entomology at Michigan State University. Please find his resume attached for more details on his qualifications.

Dr. Matthew M. Douglas
7131 Oran SE

Grand Rapids, Michigan, 49546
mdouglas@grcc.edu

Colleges and Universities Attended:

University of Michigan, BA (Premedical Studies; English/Creative Writing) 1971
Eastern Michigan University, MS (Aquatic Biology) 1974
University of Kansas, PhD (Evolutionary Biology and Biophysical Ecology) 1978

Institutional Teaching

Courses Taught

University of Kansas:	Introductory Biology, Advanced Population Ecology
California State University:	Entomology, Economic Entomology, Medical Entomology
Boston University and Woods Hole Marine Bio Station:	Physiological Ecology, Introductory Biology, and Invertebrate Zoology (interim BUMP Marine program)
Boston University Med School:	Epidemiology of Arthropod-Borne Diseases
Harvard University:	Zoology
Michigan State University:	Entomology (graduate school)
Grand Valley State University:	Creative Writing, Aquatic Biology (graduate school)
Grand Rapids Community College:	Technical Writing, Creative Writing, Introductory Biology, Zoology, Botany, Anatomy and Physiology

Current Academic and Consulting Positions:

Grand Rapids Community College: Professor of Zoology and Anatomy and Physiology
University of Kansas: Senior Adjunct Research Scientist, Snow Entomological Museum
Michigan State University: Adjunct Professor, Department of Entomology
John Ball Zoological Society: Board Member
Grand Rapids Ballet Company: Member-at-Large for *En Pointe* Board
Pierce Cedar Creek Institute: Research Associate
Frederick Meijer Garden: Organizer/Consultant for annual "Butterflies are Blooming" Exhibit
Grand Rapids Public Museum: Consultant for Biology Exhibits (e.g., Whales Exhibit)
University of Michigan Press: Series Editor (The Great Lakes Environmental Series)

Former Academic Positions:

California State University, Fresno, Assistant Professor of Entomology (1978-1979)
Boston University, Assistant Professor of Biophysical Ecology (1979-1981)
Woods Hole Marine Biological Program at Boston University (1979 interim term)
Harvard University, Assistant Professor of Zoology (summer term, 1979)
Aquinas College: Bridges Program for Minority Students (1992-1993)
Grand Valley State University: Adjunct Professor of English and Biology (1993-current)

Professional Awards, Honors, and Previous Consulting Experience:

University Award for Outstanding Dissertation, University of Kansas, 1971
Arthur D. Little, Inc., Boston: Federal Consultant for Solar Powered Satellite System (1979)
Boston Museum of Science: Consultant for first public butterfly greenhouse (1979)
National Science Foundation (NSF) Research Grant Recipient (1981-1984)
Newspaper Columnist (Boston Herald American, biweekly, 1979-1983)
Vice President and President-Elect, Cambridge Entomological Club, Harvard University, 1979
Award for scientific writing, U. Maryland, 1986
Professional Video Consultant (e.g., BBC video productions: consultant)
Professional Writer and Screenwriter (e.g., Desperate Voyage, Hybrid, etc.)
Consultant, Good Morning America, ABC Science Editor Michael Guillen, 1997-1998.
Technical Writer (e.g., Steelcase, Upjohn, Dow Chemical, Ford, Safeway, etc.)
Who's Who Among America's Teachers, 1998

Professional and Lay Journal Papers:

I have published professional, peer-reviewed science papers (Science, Evolution, Psyche, etc.), as well as lay person articles in many newspapers (e.g., syndicated biweekly column for the Boston Herald and West Michigan newspapers) and magazines (e.g., Audubon, Sierra, Natural History, Science Digest, etc.). My scientific work with Monarch butterflies has aired on NPR, the BBC, and regional television. I continue to publish in both scientific, lay journals, and newspapers, often with student coauthors. (See a more complete list beginning on the next page).

Books/Screenplays/Chapters Published:

The Lives of Butterflies, University of Michigan Press. 1986
Introduction to Animal Behavior (Intro Chapter), (McGraw-Hill Books) 2003
The Butterflies of the Great Lakes Region (University of Michigan Press) 2005
Mary's Voyage (Sheridan House Press, NY, 2008)
The One-Arm Bandit, Monarch Communications, 2008. Self-published.
The Image Makers, (M.M. Douglas *aka* Salvador de la Cruz) 2001; 2nd printing: 2008)
Desperate Voyage (screenplay optioned for major motion picture; production: 2011)
Essentials of Anatomy and Physiology (co-author); Elsevier, 2011)
The Ark of Polaris (M.M. Douglas *aka* Salvador de la Cruz, 2012)

Mattie the Monarch (children's science book, M.M. Douglas, 2014)
Buddy the Buzzbomber (children's science book, M.M. Douglas, 2016)
Zoe the Blue (children's science book, M.M. Douglas, 2016)
Velcro Three Toes (children's science book, M.M. Douglas, 2016)
Carlota and ZoomZoom (children's science book, M.M. Douglas, fall, 2018)
Biology (Open Stax, Senior Content Editor, 2017-2019)

Research and Academic Awards:

Herbert Hungerford Award, University of Kansas, 1976 Outstanding PhD Dissertation
National Science Foundation 1979-1981. with Gillian Cooper-Driver, \$150,000.
Boston University Research Award \$15,000
Grand Rapids Community College: \$35,000 for Monarch Butterfly Research (7 years).
Grand Rapids Community College: \$11,000 Development Grant

Academic Publications:

Douglas, M.M. 1974. *Changes in the Diversity and Abundance of Aquatic Insect Immatures as Indicators of Organic Pollution*. **MS Thesis**, Eastern Michigan University.

Douglas, M.M. 1976. Evidence of Breeding Populations of *Leptotes cassius* (Lycaenidae) in Kansas. *Lepidopterist*, August, Gal 47.

Douglas, M.M. 1976. Thermoregulatory Mechanisms in *Hemaris thysbe* (Sphingidae). **Central States Entomological Society**, Fort Hays State University (5.1.1976).

Douglas, M.M. 1978. Thermal Niche Partitioning in the Sphingidae (Abstract of **Annual Meeting of the American Society of Zoologists Society of Systematic Zoology**, December 27-80, Richmond, Virginia).

Douglas, M.M. 1978. The Behavioral and Biophysical Strategies of Thermoregulation in Temperate, Arctic, and Alpine Butterflies. Seminar Boston University.

Douglas, M.M. and J. W. Grula. 1978. Thermoregulatory Adaptations Allowing Ecological Range Expansion by the Pierid Butterfly, *Nathalis iole* Boisduval. **Evolution**. 32(4): 776-783

Douglas, M.M. 1980. Thermal Niche Partitioning in Sphinx Moths. **Cambridge Entomological Club, Harvard University**, Faculty Meeting, April 8, 1980.

Douglas, M.M. 1981. Thermoregulatory Significance of Thoracic Lobes in the Evolution of Insect Wings. **Science** 211 (4477): 84-86

Douglas, M.M. 1982. Are They Making Molehills Out of the Bridgman Dunes? *West Michigan Magazine*. 31-34.

Argus Source Book: 356 essays by M. M. Douglas (examples from 1980):

Douglas, M.M. 1983. Underground Living: Back to the Ways of Cro-Magnon Man? *Argus Source Book*, essay

Douglas, M.M. 1983. Why Teach Johnny to Write After he Learns to Print? *Argus Source Book*, essay

Douglas, M.M. 1983. Defense of Bracken Fern by Arthropods Attracted to Axillary Nectaries. *Psyche, Harvard University*. Vol. 90. No 3. Pages 313-320.

Douglas, M.M. 1983. Butterfly-Ant Connection. *Argus Source Book*, essay.

Douglas, M.M. 1983. Speculations: The Butterfly Connection. *Science Digest*. April: 50

Douglas, M.M. 1983. Will Cloning Replace the Baby Boom? *West Michigan Magazine* (42) 5: 24-26

Douglas, M.M. 1984. A Dubious Tradeoff: Mining Bridgman Dunes. *Sierra* (69) 1: January/February page 16-18.

Douglas, M.M. 1986. Insects of Winter. January-February. *Michigan Natural Resources Magazine*. 44-47.

Douglas, M.M. 1986. Thermoregulatory Strategies of Butterflies. *Natural History Magazine*, August 2nd, 1986.

Douglas, M.M. (Citation by Bruno, M.). 1986. *On the Wings of Butterflies*. July/August (16) 4: 14-18.

Douglas, M.M. 1993. Butterflies and Skippers of Ohio *Review*. *J. Lepidopterists' Society*. 47(4): 347-348.

Douglas, M.M. 1990. Masters of the Macabre. *Birder's World* (aka *Birdwatching*), December, (4) 6: 10-14.

Douglas, M.M. 2006. The Thermoregulatory Significance of Biophysical and Behavioral Characters Convergence in Arctic and Alpine Butterflies. *Lepidopterists' Society 57th Meeting*, University of Florida.

Douglas, M.M. 2007. Thermal niche partitioning in the Sphingidae. *Newsletter of the Michigan Entomological Society*. 52(3 and 4).

Douglas, M.M. and R. Oldenkamp. 2010. Arthropod Defense Communities of the Bracken Fern (*Pteridium aquilinum*). *Great Lakes Entomologist* pages 34-42.

Douglas, M. M. and R. Oldenkamp. 2010. Measuring the Effects of “Opportunistic Defense” of the Bracken Fern, (*Pteridium aquilinum*) by Patrolling Ants (Hymenoptera: Formicidae) at **Pierce Cedar Creek Institute** in South Central Michigan, *PCCI online publication*

Douglas, M.M. 2014. **Poetry: Islands, Vagus, All Powerful, Certainty.**

Douglas M.M. and M. Grady. 2014. Biodiversity Survey of Spiders at PCCI and Study of Sexual Size Dimorphism in Order Araneae. **Pierce Cedar Creek Institute**, online publication.

Douglas, M.M. 2014. Where have all the Monarchs gone? Frederik Meijer Garden, invited keynote seminar.

Douglas, M.M. 2015. Monarch Butterflies and Design Flaws. *C3 Exchange*. April 12, 2015.

Douglas, M.M. 2018. Use of Spotted Knapweed/Star Thistle (*Centaurea maculosa*) as the Primary Source of Nectar by Early Migrating Monarch Butterflies from Beaver Island, Michigan. *Great Lakes Entomologist*, online publication.

Douglas, M.M. 2021. Stereotypical Orientation and Pre-migratory Flight Behavior May Integrate the Biological Compass Systems of the North American Monarch Butterfly, (*Danaus plexippus*, L.) Submitted to *American Naturalist*, University of Chicago.)

Community Projects Consulting and Interviews:

Douglas, M.M. Butterfly Consultant and procurer for Butterflies are Blooming, Frederik Meijer Garden Exhibit (1998-2000).

Douglas, M.M. 2013, 2015, 2018. *Community Science Day*. Butterfly Exhibits.

Douglas, M.M. 2014, 2016, 2017. *Darwin Day*. Coevolution Exhibits.

Douglas, M. M. 1985. How to Attract, Find Winged Wonders. *Grand Rapids Press*, front page.

Douglas, M.M. 1997. Flight of Fancy, *Grand Rapids Press, Home/Garden*.

Douglas, M.M. 1998. A Butterfly Gaze. *Grand Rapids Press, FLAIR*

Douglas, M.M. 1998. Monarch Migration. *Bluebird Festival*, Jackson CC. March 14/15

Douglas, M.M. 1998. Butterflies are Blooming Exhibit. Monarch Migration to Mexico. March 2, 1998. *Frederik Meijer Garden*, Grand Rapids, Michigan.

Douglas, M.M. 2000. Costa Rica Trip Immerses Students in Tropical Ecotourism and Culture. *Grand Rapids Press*, front page.

Douglas, M.M. 2002. Butterflies at Risk? GRCC Biologist Assesses Monarch Loss. *Grand Rapids Press, Metro*, front page.

Douglas, M.M. 2007. How to Plant a Migration Station. *Grand Rapids Press, Region*, front page.

Douglas, M.M. 2007. "Don't Touch that" isn't in their vocabulary lesson. *Grand Rapids Press*, front page.

Academic, Technical, and Business-to-Business Writing and Editing:

Douglas, 1989. Prairie Wildflowers (booklet). *Steelcase Corporate Development Center*, WBDC Group, Grand Rapids, Michigan.

Business Clients:

Academic, Business-to-Business, Technical and Scientific Writing/Editing/Publishing:

The University of Michigan Press
McGraw-Hill Books
Morton Publishing
Elsevier Publishing
Boston Herald
Dow Chemical
Amway Corporation
Steelcase
Herman Miller
General Motors
Mannesmann-Demag
Phillip Morris
Safeway Foods
Arthur D. Little, Inc.
The U.S. Department of Energy
The Boston Museum of Science
The National Science Foundation



CASCADE CHARTER TOWNSHIP

5920 Tahoe Dr. SE, Grand Rapids, Michigan 49546

Date: April 14, 2021
To: Cascade Charter Township Board
From: Supervisor Grace Lesperance
Subject: Appointments to the Citizen PFAS Advisory Committee

The establishment of the Citizen PFAS Advisory Committee affirms the Township's commitment to engaging and supporting all residents impacted by PFAS groundwater contamination. The Committee will work directly with Township leadership and staff to ensure that impacted residents:

1. Are kept apprised of all initiatives and issues related to PFAS remediation;
2. Play a direct role in all stages of the remediation process (e.g. planning and installation of city water service); and
3. Are able to provide meaningful input on behalf of affected residents.

In addition to having PFAS-contaminated groundwater, each of the residents listed below has demonstrated the willingness and ability to represent their impacted neighbors.

The Cascade Charter Township Citizen PFAS Advisory Committee appointments are as follows:

Cascade Township Board of Trustee Member

- **Supervisor Grace Lesperance**

Cascade Township Planning Commission Member

- **Commissioner Chris Noordyke**

Cascade Resident/Property Owner Members

- **Patti Baldwin:** Ms. Baldwin has lived in Cascade for twenty years. She and her husband have four sons, with the youngest now a Freshman at Forest Hills Central. Ms. Baldwin has a Master's degree in Public Administration with an emphasis on non-profit management. She has volunteered her time assisting neighbors and other residents in staying up-to-date on the ongoing PFAS situation.
- **John Lipford:** Mr. Lipford and his family have lived in Cascade for three years. He is a Professor of Hospitality Law at Grand Valley State University. Before becoming a Professor at GVSU, Mr. Lipford practiced law in both Saginaw and Grand Rapids, representing both individuals and corporations in a variety of areas of law.

- **Kevin Flannery:** Mr. Flannery has lived in Cascade for over twenty years. His property abuts Trout Creek, and he is very familiar with the past contamination of Trout Creek and surrounding areas. In addition to owning his own business, Mr. Flannery performs with the Grand Rapids Symphony.
- **Kristine White:** Ms. White has lived in Cascade for over thirty years. She has a long career in health care (from critical care nurse to health care executive). Ms. White currently owns her own business and is working on a doctorate degree from Vanderbilt in Leadership, Organizational Performance and Learning/Design.

(Note: One appointment is pending and will be offered at the April 28, 2021 meeting.)

Cascade Township Staff Liason

- **Manager Ben Swayze**