CHARTER TOWNSHIP OF YPSILANTI BOARD OF TRUSTEES

Supervisor

BRENDA L. STUMBO

Clerk

HEATHER JARRELL ROE

Treasurer

STAN ELDRIDGE

Trustees

JOHN P. NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON, JR.

September 20, 2022

Work Session – 5:00 pm
Regular Meeting – 7:00 p.m.

Ypsilanti Township Civic Center
7200 S. Huron River Drive
Ypsilanti, MI 48197

DEPARTMENTAL REPORTS

CHARTER TOWNSHIP OF YPSILANTI FIRE DEPARTMENT

222 South Ford Boulevard, Ypsilanti, MI 48198

MONTHLY REPORT FOR AUGUST, 2022

Fire Department staffing levels are as follows:

1 Fire Chief	3 Shift Captains	16 Fire Fighters
1 Fire Marshal	3 Shift Lieutenants	1 Clerk III/Staff Support

All fire department response personnel are licensed as Emergency Medical Technicians by the State of Michigan Public Health. During the month, the fire department responded to requests **514** for assistance. Of those requests, **270** were medical emergency service calls, with the remaining **244** incidents classified as non-medical and/or fire related.

Department activities for the month of August 2022:

1) Smoke Alarms
    a) 597 Eugene (2)
    b) 1953 Chevrolet (2)

2) Fire fighters received training in the following areas:
    a) Hazmat Training
    b) Swift Water Training

Training for the three new hires:

SCBA Familiarization, Search & Rescue, SCBA/RIT/Mayday, Hose Advancement, Pumps,
Blood borne pathogens, Fire Fighter Rights to Know, Hands on training on extrication techniques and tools, went to HVA to familiarize with their apparatus & driving.

3) Pub Ed
    a) Truck Demo @Ypsilanti Township Community Center
    b) Truck Demo @1070 McCartney

The Fire Marshal had these activities / events for the month of August 2022:

1. Fire Investigations: 5
2. Building Inspections: 11
3. Building Re-inspections: 4
4. Plan Reviews: 4
5. Hood / Fire Suppression Inspections:
6. Meetings: 1
7. Fire Alarm Inspections:
8. Occupant Load Certificates:
9. Burn Permit: 1
10. Burn Complaints: 2
11. Knox Box: 2
12. Fire Department Site Tours:
13. Training: 2
14. Hydro Test:
15. Addressing within the Township: 2
16. Fire Lane Violation:
17. Hydrant Flow Testing:
18. Liquor Inspections: 1
19. Funeral Leave
20. Truck pre-construction in South Dakota

The Fire Chief attended these meetings / events for the month of August 2022:

1. Addressed Ordinance Violation for unauthorized burning on Martz Road
2. New hires Tyler Shaw & Madison Kleinhenz started on September 15th and Ben Clarke started on September 22nd
3. Met with contractor. RE: painting of garage floors at Station1
4. Civic Service Meeting, one was cancelled to non-attendance
   Approved Officer Testing & to obtain a New hire list
5. Took new hire Firefighter Clarke to Human Resources
6. Met with Hutzel Plumbing. RE: Survey for Sump pump at Station 1
7. Completed and distributed new hires Shift letters
8. Authorizing bids for Station 1 for painting
9. Post for Officer's Test
10. Met with Zach Roland, Union President RE: labor talk

There was 0 injuries and 0 deaths reported this month for civilians.
There was 0 injuries and 0 deaths reported this month for fire fighters.

This month the total fire loss, including vehicle fires, is estimated at ***$117,550.00.*** All occurred at the following locations:

	DATE OF LOSS	ADDRESS		ESTIMATED LOSS	
1)	8/02/2022	Ecorse Rd WB	$	5,000.00	(passenger vehicle fire)
2)	8/05/2022	900 Parkwood	$	0.00	(fire, other)
3)	8/06/2022	8100 Geddes	$	0.00	(mutual aid-Superior)
4)	8/09/2022	1391 Harry Street	$	500.00	(vehicle fire)
5)	8/11/2022	1931 Ridgeview	$	0.00	(mutual aid-Superior)
6)	8/11/2022	6988 McKean	$	25,000.00	(building fire)
7)	8/13/2022	3375 E Michigan	$	0.00	(fire-other)
8)	8/15/2022	1378 Harry	$	23,000.00	(building fire)
9)	8/16/2022	720 N. Redwood	$	500.00	(dumpster fire)
10)	8/18/2022	639 Kennedy	$	60,000.00	(building fire)
11)	8/23/2022	9709 Knollwood	$	0.00	(mutual aid-Superior)
12)	8/24/2022	1950 Spruce Lane	$	0.00	(mutual aid-Superior)
13)	8/26/202	6871 Bemis Road	$	3,500.00	(off-road vehicle fire)
14)	8/31/2022	Coleman Street	$	0.00	(vehicle fire)

Respectfully submitted,

Maria Batianis
Charter Township of Ypsilanti Fire Department

Attachment: Image Trend Incident Type Report (Summary): 08/01/2022 – 08/31/2022

2022 Incident Type Report

Basic Incident Type Code And Description (FD1.21)	Total Incidents	Total Incidents Percent of Incidents	Total Property Loss	Total Content Loss	Total Loss	Total Loss Percent of Total
Incident Type Category (FD1.21): 1 - Fire						
100 - Fire, other	2	0.39%				
111 - Building fire	7	1.36%	85000.00	23000.00	108000.00	91.88%
131 - Passenger vehicle fire	3	0.58%	5500.00		5500.00	4.68%
138 - Off-road vehicle or heavy equipment fire	1	0.19%	3000.00	50.00	3050.00	2.59%
151 - Outside rubbish, trash or waste fire	1	0.19%				
154 - Dumpster or other outside trash receptacle fire	2	0.39%	500.00	0.00	500.00	0.43%
	Total: 16	**Total: 3.11%**	**Total: 94000.00**	**Total: 23050.00**	**Total: 117050.00**	**Total: 99.57%**
Incident Type Category (FD1.21): 2 - Overpressure Rupture, Explosion, Overheat (No Fire)						
251 - Excessive heat, scorch burns with no ignition	1	0.19%				
	Total: 1	**Total: 0.19%**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00%**
Incident Type Category (FD1.21): 3 - Rescue & Emergency Medical Service Incident						
300 - Rescue, EMS incident, other	7	1.36%				
311 - Medical assist, assist EMS crew	78	15.18%				
320 - Emergency medical service, other	40	7.78%				
321 - EMS call, excluding vehicle accident with injury	108	21.01%				
322 - Motor vehicle accident with injuries	12	2.33%				
323 - Motor vehicle/pedestrian accident (MV Ped)	3	0.58%				
324 - Motor vehicle accident with no injuries.	22	4.28%				
	Total: 270	**Total: 52.53%**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00%**
Incident Type Category (FD1.21): 4 - Hazardous Condition (No Fire)						
412 - Gas leak (natural gas or LPG)	2	0.39%				
424 - Carbon monoxide incident	5	0.97%				
440 - Electrical wiring/equipment problem, other	2	0.39%				
442 - Overheated motor	1	0.19%				
444 - Power line down	18	3.50%				
445 - Arcing, shorted electrical equipment	5	0.97%				
463 - Vehicle accident, general cleanup	1	0.19%				
	Total: 34	**Total: 6.61%**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00%**
Incident Type Category (FD1.21): 5 - Service Call						
500 - Service call, other	2	0.39%				
510 - Person in distress, other	11	2.14%				
522 - Water or steam leak	1	0.19%				
531 - Smoke or odor removal	3	0.58%	500.00		500.00	0.43%
541 - Animal problem	1	0.19%				
542 - Animal rescue	1	0.19%				
550 - Public service assistance, other	5	0.97%				
551 - Assist police or other governmental agency	1	0.19%				
552 - Police matter	1	0.19%				
553 - Public service	2	0.39%				
554 - Assist invalid	19	3.70%				
561 - Unauthorized burning	3	0.58%				
	Total: 50	**Total: 9.73%**	**Total: 500.00**	**Total: 0.00**	**Total: 500.00**	**Total: 0.43%**
Incident Type Category (FD1.21): 6 - Good Intent Call						
600 - Good intent call, other	4	0.78%				

Basic Incident Type Code And Description (FD1.21)	Total Incidents	Total Incidents Percent of Incidents	Total Property Loss	Total Content Loss	Total Loss	Total Loss Percent of Total
611 - Dispatched and cancelled en route	97	18.87%				
622 - No incident found on arrival at dispatch address	8	1.56%				
651 - Smoke scare, odor of smoke	1	0.19%				
	Total: 110	**Total: 21.40%**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00%**
Incident Type Category (FD1.21): 7 - False Alarm & False Call						
700 - False alarm or false call, other	7	1.36%				
733 - Smoke detector activation due to malfunction	4	0.78%				
735 - Alarm system sounded due to malfunction	5	0.97%				
736 - CO detector activation due to malfunction	3	0.58%				
743 - Smoke detector activation, no fire - unintentional	8	1.56%				
744 - Detector activation, no fire - unintentional	1	0.19%				
745 - Alarm system activation, no fire - unintentional	5	0.97%				
	Total: 33	**Total: 6.42%**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00**	**Total: 0.00%**
	Total: 514	**Total: 100.00%**	**Total: 94500.00**	**Total: 23050.00**	**Total: 117550.00**	**Total: 100.00%**

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Charter Township of Ypsilanti
Hydro Station

7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 544.3690
Fax: (734) 544.3626

www.ytown.org

Date: September 2, 2022
To: **Clerk's Office**
CC: **Brenda Stumbo, Supervisor**
From: Michael Saranen, Operation Manager

Subject: Department Report (activities in August 2022)

Activities:

Ford Lake Dam (Hydro Station)

General Operation Summary:
The Hydro Station continues to operate safely and continues to get routine safety inspections and preventive maintenance. Covid-19 has not impacted operations. Operators had 3 after hour call-ins for the month.

Average precipitation for the month of is around 3.26", this year it was about 2.32".

On August 31st, our full time operator left the organization, the open spot has caused the department to shift priorities to cover the gap. HR has posted the position.

Regulatory Notes

The FERC is revamping the Commission's Safety Program. Due to recent events in California and Michigan, the FERC has implemented some changes to ensure projects are safe. Deep dives into the engineering and technical backgrounds on dams have been eye opening. Changes to documentation requirements, reevaluation of engineering calculation dating back 40+ years and other safety topics. For our Hydro Station, these FERC driven activities has required the Township to work on list of technical reviews, update plans and improve public safety. This work is on-going and will not likely be complete for 2 to 3 years. As the process progresses, additional work may be needed to be address the finding and to satisfy FERC.

During this time of FERC review, the expenses are going to abnormally higher and will likely exceed the annual revenue the Hydro Station makes from DTE. It is possible that additional funds will be needed to cover the expenses that are incurred. Staff is looking for grants to help with these tasks.

Regulatory:

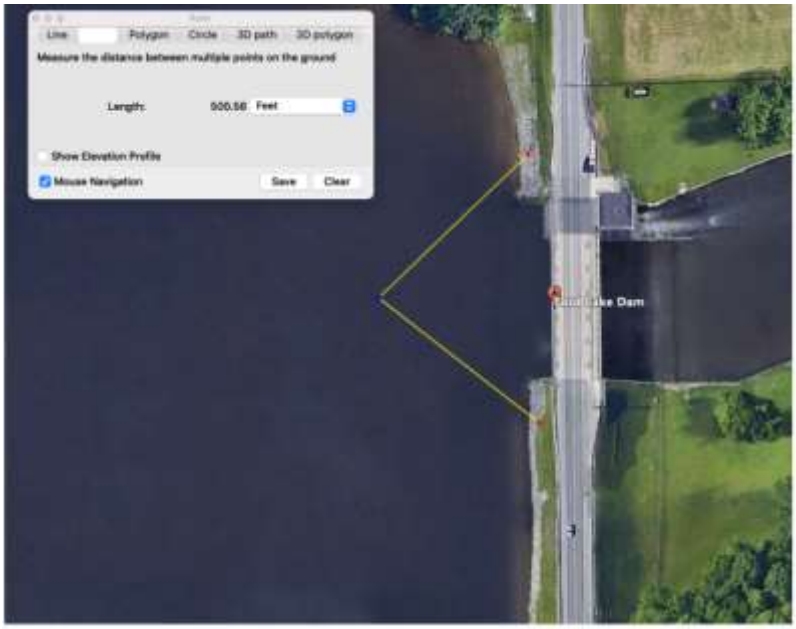
For 2022-

- Reprint STID, **Started- completion due 12/22**
- update DSSMP, planned by 12/22
- DSSMR, **Complete, Filed with FERC**
- Owners Dam Safety Program Review – **Complete filed with FERC**
- EAP annual update and test-
- EAP Training-
- Part 12 Inspection- next inspection 2025
- WQ Report – **Started**
- Nuisance Plant Plan Report – **Started**
- Wildlife Plan Report –
- Historical Activity Report –
- Gate Certification –
- Security Review – **Started**
- FERC Security Inspection- **Postponed (COVID)**
- FERC Annual Dam Safety Inspection **– Complete, follow-up letter filed with FERC**
- Annual DEQ Lake Operation Monitoring Report- **Complete, Filed**
- Spillway Assessment Action Plan- **Filed, addressing comments by FERC**
- Public Safety Plan- Update due by 12/22

Projects:

Concrete Repairs- **in planning phase**, putting together bid documents to address spalling concrete on crest of the concrete spillway. Construction is now planned for 2023. Field inspection was conducted on 5/6/21, an assessment report was provided by Barr. Report outlines areas that need repairs within 5 to 10 years.

Buoy Lines- A new buoy lines near the Hydro Station is moving forward. This will add more safety to boater and recreationists on the lake and river. The buoys and material are in. In order to get the new buoy line installed, large concrete anchors are needed on the shoreline. Installation is planned for September 2022.



New buoy line layout for the lake near the dam

Sluice Gate Stress Analysis- in planning phase, the FERC has requested a detail study of the spillway gates. This is common industry request from FERC as they continuously look at safety involving dams. We are currently working with engineering to develop a procedure to complete this task. This task is planned for 2023.

Powerhouse Service Power Upgrades- the high voltage cable from the house transformer to the transfer switch needs to be replaced due to inadequate sizing for the load. This is planned for Jan/Feb 2023 during a system outage by DTE.

Turbine Inspections and Maintenance- Conduct cleaning, inspection and maintenance on turbine equipment and associated spaces. This is planned for Jan/Feb 2023 during a system outage by DTE.

Operation Summary

2022	**August**	**YTD**	**5 Year Ave.**
Precipitation total (inches)[1]	2.32	19.31	42.0
Days Online	31.0	242.0	359.2
Generation MWH (estimated)	386.492	7,736.668	11,040.8
Generation MWH **lost** (estimated)*	112.852	349.784	564.3
After Hour Call In			
Water levels	2	33	43
Mechanical/Electrical	0	0	5
Other	1	2	2
Totals	3	35	50

Recent History	**2017**	**2018**	**2019**	**2020**	**2021**
Precipitation total (inches)	40.8	42.2	45.4	41.4	40.0
Days Online	362.0	364.2	350.6	359.7	360.0
Generation MWH (estimated)	10,744.9	10,635.0	12,576.7	10,722.7	10,524.5
Generation MWH **lost** (estimated)*	269.6	552.9	1,005.8	570.2	423.2
After Hour Call In					
Water levels	31	26	30	69	33
Mechanical/Electrical	4	5	3	4	9
Other	2	3	0	2	0
Totals	37	34	33	75	42

[1] Preliminary totals from NOAA for Detroit

*losses related to scheduled & unscheduled maintenance and water quality discharges.

Gate Spilling Summary:

Releasing water from the sluice gates is primary done to maintain lake level when flow exceeds the powerhouse. At certain times, we can use the gates to help keep the lake mixing to maintain oxygen levels (effectiveness depends on a number of factors) at the bottom of the lake.

The water quality monitoring begins on June 1st and will end on September 30th; operators monitor the water quality conditions and take readings as outline in the WQ Plan. The dam releases water from the bottom gates to maintain run of river and/or help with water quality in Ford Lake. The Federal License requires we pass water with a minimum of 5mg/l of dissolved oxygen all the time. Therefore, spilling from the bottom gates in the summer for improving the lake is not always possible.

Sluice Gate Usage Summary:

Current Year **2022**	Current Year Days Spilled	Current Year Lost KWh*	Current Year Lost KW$*	Prior Yr. Lost KW$*
January	19	0	0	0
February	9.8	0	0	0
March	21.6	0	0	0
April	15.1	0	0	0
May	12.7	2,614	58	$ 5,852
June	16.6	145,085	7,495	$ 6,624
July	5.3	36,564	2,054	$ 6,147
August	9.5	112,852	6,303	$ 3,070
September			0	0
October			0	0
November			0	0
December			0	0
Totals	110.2	297,115	$ 15,910	$ 21,690

*estimated losses from diverting water away from generators for the **purpose improving WQ**.

Sargent Charles Dam

This dam continues to get routine safety inspections and appropriate maintenance.

CHARTER TOWNSHIP OF YPSILANTI

OFFICE OF COMMUNITY STANDARDS

Building Safety • Planning & Zoning • Ordinance Enforcement

To: Board of Trustees

From: Belinda Kingsley, Community Compliance Director
Dave Bellers, Chief Building Official
Jason Iacoangeli, Planning Director
Tom Greenwood, Executive Coordinator

Re: OFFICE OF COMMUNITY STANDARDS ACTIVITY REPORT – August 2022

Date: 9/13/2022

Attached are reports for the following areas of activity within the Office of Community Standards for the period of August 1, 2022 thru August 31, 2022.

1. ACTIVE LITIGATION CASES
2. NEW CODE ENFORCEMENT CASES
3. NEW RENTAL HOUSING CERTIFICATIONS
4. NEW VACANT STRUCTURE APPLICATIONS
5. BUILDING DEPARTMENT PERMITS ISSUED
6. BUILDING CERTIFICATES OF OCCUPANCY ISSUED
7. PLANNING & DEVELOPMENT PROJECTS

CHARTER TOWNSHIP OF YPSILANTI
APRIL 2022
ACTIVE LAWSUITS

Date: September 13, 2022

Staff and legal counsel are actively engaged in working to resolve the following authorized lawsuits in Washtenaw County Circuit Court:

COURT CASE REVIEW									
0	Dir	Address	Defendant	Nature of Case	Status	Updated Notes	Date Last Reviewed	Next Court Date	Case No.:
1005		Emerick	GV, LLC (Robert Hull) Gault Village Shopping Center	Public Nuisance	AUTHORIZED AND FILED	Review hearing 9/23/22. Demo bids from both sides to be submitted to Judge.	9/7/2022	9/23/22 @ 1:30	16-437-CZ
2355		Wiard	D&G Auto Salvage & Randy Clark	Public Nuisance	AUTHORIZED AND FILED	On hold for WCHD septic approval. TG meet Lewis on-site for photos. Denny will file Contempt Motion	9/7/2022	9/30/22 @ 9:00	17-96-CZ
924-940		Minion	Circular Investments LLC (Issa)	Zoning/Woodland Protection/Soil Erosion	AUTHORIZED AND FILED	Site plan submitted to Planning. PC on 9/27	9/7/2022	10/7/22 @ 1:30	17-809-CZ
1405		Ecorse	Elks Club	Public Nuisance	AUTHORIZED AND FILED	Order entered - members only use to prep meals for fundraising.	9/7/2022		18-1259-CZ

1503		E. Michigan	Malek& Jenias Mohammed-KH Hamami	Public Nuisance	AUTHORIZED AND FILED	Site Plan approved. Moving forward with dumpster enclosure. Fence is completed. Still over on vehicle parking.	9/7/2022	9/22/22 @ 9:00	
670		Onandaga	Greater Faith Church	Public Nuisance	Authorized, not filed	Fire suppression completed. Pending zoning & building code compliance.	9/7/2022		
1474		Ecorse	Ypsi Motown Properties - Township Plaza	Public Nuisance	AUTHORIZED AND FILED	Underground clean out, inspection 8/24/22. Façade changes will follow underground work.	9/7/2022	9/22/22 @ 9:00 a.m.	
3775		Golfisde	Issa	Fire	AUTHORIZED AND FILED	18 months from order 7/28/2020 to get new C-of-O for rebuild, or demo the garage (1/28/22). Want to build a house on the site.	9/7/2022		
399		Elder	Dabney	Public Nuisance	AUTHORIZED AND FILED	Last clean-up of property on 10/8/21, next potential will be 9/6/22. Denny will file a lien against the property for costs.	9/7/2022	9/16/22 @ 9:00	
568		Onandaga	Massey	Public Nuisance	AUTHORIZED AND FILED	Permit issued, six months to perform work (exp 2/20/22). Vacant and registered. Nicole is daughter. Next inspection 9/13.	9/7/2022	9/14/22 @ 1:30	
		Paint Creek Plaza	Paint Creek South LLC	Public Nuisance	AUTHORIZED AND FILED	Plan approved 8/9/22. New trees and plants to be planted. Sept/Oct installation planned.	9/7/2022	9/28/2022 @ 1:30	

281		Ohio	Estate of Michael Belcher	Public Nuisance	AUTHORIZED AND FILED ESTATE	Denny met with Andy Eggan 2/9/22. Taxes paid - plan is to sell.	9/7/2022		
1448		Nash	Bruce Cooper Trust	Public Nuisance	AUTHORIZED AND FILED ESTATE	Denny met with Andy Eggan 2/9/22. Needs demo, in rough shape. Foreclosed	9/7/2022		
885		Parkwood	Lee Roy Payne Estate	Public Nuisance	AUTHORIZED AND FILED ESTATE	Denny met with Andy Eggan 2/9/22. Needs demo, in rough shape. Foreclosed	9/7/2022		
9607		Harbour Cove	Joseph Amador	Public Nuisance	AUTHORIZED AND FILED	PO in jail - Contempt service in jail. Request code inspection at hearing. 60 days to rehab unit after release May 9. Review 9/30. Secured and vacant.	9/7/2022	9/29/22 @ 9:00	
7941		Lakecrest	Joseph Amador	Public Nuisance	AUTHORIZED AND FILED	PO in jail - Contempt service in jail. Secured and vacant.	9/7/2022	9/29/22 @ 9:00	
1175		Nash	Jones / Bank of NY Melon	Fire	AUTHORIZED AND FILED	Potential new owner will need to sign an affidavit accepting responsibility for violations. Denny will advise their attorney. Dismissal order being entered	9/7/2022		
2835		Coolidge Ave	Jason Bombrisk	Junkyard Licensing	AUTHORIZED	No business to be conducted on-site. Towing business operating on-site. Process application.	9/7/2022		

8950/9070		Charlotte Ct	Oaks of Ypsilanti, LLC and Oaks of Golden Pond, LLC	Blight	AUTHORIZED AND FILED	TG did exterior inspection - sign, sidewalks and trash. Email sent maintenance.	9/7/2022		
1106	E	Michigan Avenue	Tri-County Cremations / Burrell Vault / Oneil Swanson	Public Nuisance	AUTHORIZED AND FILED	Received structural engineer report. Waiting for submission of plan.	9/7/2022	9/14/2022 @ 2:00	
8084		Creek Bend	Bobby Beach Jr.	Public Nuisance Padlock	AUTHORIZED AND FILED	Order entered - no rentals permitted. Four times a year twp can inspect for unauthorized rental. First 4/20; Second 7/15; Third 10/? ; Fourth	9/7/2022		
7402		Red Bird	Patricia Ware	Public Nuisance	AUTHORIZED AND FILED	Vacant house - New owners want to sell. Possibly sold.	9/7/2022		
885		DeSoto	Della Ryan, Clarence Patterson, Bank of New York Mellon	Public Nuisance	AUTHORIZED AND FILED	Vacant house - Bank foreclosed. Personal property eviction. Vacant inspection 8/24 - Passed. Denny will contact attorney.	9/7/2022	9/28/22 @ 1:30 p.m.	
1221		Desoto	Larry Smith	Public Nuisance	AUTHORIZED AND FILED	Blighted house-needs demo. Tax foreclosure 2/18/22. Redemption 3/31/22, per county. Order entered to repair or demo within 10 days. Auction June/August. Sold at auction?	9/7/2022		

276		Kansas	Cecil Meador	Public Nuisance	AUTHORIZED AND FILED	Blight clean up needed	9/7/2022		
559		Kennedy	Linda Yeager	Padlock	AUTHORIZED AND FILED	Listed for sale. Possibly sold.	9/7/2022	10/14/22 @ 9:30	
6050	S	Ivanhoe	Bates/JP Morgan Chase Bank	Public Nuisance	AUTHORIZED AND FILED	Vacant house with blight and mold damage. Property owner will be added to litigation, bank was named previously.	9/7/2022	9/14/22 @ 2:00	
1028		Studebaker	Bandyopadhyay	Padlock	AUTHORIZED AND FILED	Padlock Order entered 7/12/2022. Resolved with eviction. Rental inspection 9/7/22.	9/7/2022		
1405		Bud	Jon Hall Trust	Padlock	AUTHORIZED AND FILED	Seeking 1 year padlock. Vacant inspection 7/12/22 - Passed. No rental certificate, but inspection scheduled for 9/30/22.	9/7/2022	9/8/22 @ 9:00 A.M. evid. Hrg	
6630		Rawsonville	Motown Holdings	Public Nuisance	FILED AND SERVED	Illegal truck parking operation. Inspection 8/24/22 illegal operation is continuing. Contempt hearing filed.	9/7/2022		
386	S	Ford Blvd	Big House Towing	Public Nuisance	PREVIOUS ORDER ENTERED	Unpermitted expansion of legal non-conforming business. Added towing and storage.	9/7/2022	9/16/22 @ 1:30	
8		June St	Hedger Breed	Public Nuisance	AUTHORIZED	Tenant is over parking the site, second story condemned by Bldg Dept.	9/7/2022		

5970		Bridge	Round Haus	Zoning Violation	AUTHORIZED	Parking lot in disrepair	9/7/2022		
521		Eugene	Go America LLC	Public Nuisance	AUTHORIZED	Foreclosed/Condemned House	9/7/2022	9/28/22 @ 1:30 p.m.	
2041		Parkwood	Harvey Properties Rental Mgmt	Public Nuisance	AUTHORIZED	Accessory structure and container on-site	9/7/2022		
1473		Ecorse Rd	Hani Auto LLC	Zoning Violation	AUTHORIZED	Parking lot needs to be completed	9/7/2022		

NEW CODE ENFORCEMENT CASES - AUGUST 2022

Enforcement #	Category	Date Filed	Subdivision	Enforcement Address
EN22-2128	Property Maintenance - M	08/01/2022	SOUTH DISTRICT	7200 S HURON RIVER DR
EN22-2129	Solid Waste	08/01/2022	OAKLAWN/HAWTHORNE AREA	650 PINEWOOD ST
EN22-2130	Parking	08/01/2022	WEST WILLOW	705 NASH AVE
EN22-2131	Vegetation	08/01/2022	SOUTH DISTRICT	6564 MEADOWLARK LN
EN22-2132	Vegetation	08/01/2022	LAY GARDENS AREA	667 N MOHAWK AVE
EN22-2133	Property Maintenance	08/01/2022		1486 ECORSE RD
EN22-2134	Zoning	08/01/2022	CREEKSIDE SOUTH AREA	7380 E BROOK DR
EN22-2135	Vegetation	08/01/2022	SOUTH DISTRICT	7764 THORNHILL DR
EN22-2136	Solid Waste	08/01/2022	SOUTH DISTRICT	7200 MAPLELAWN DR
EN22-2137	Blight	08/01/2022	WEST WILLOW	587 EUGENE ST
EN22-2138	Vegetation	08/01/2022		1701 E MICHIGAN AVE
EN22-2139	Solid Waste	08/01/2022	SUGARBROOK AREA	1795 GROVE RD
EN22-2140	Solid Waste	08/01/2022	LAKEVIEW AREA	2143 WILLIAM AVE
EN22-2141	Solid Waste	08/01/2022	STEVENS PARK AREA	102 S WALLACE BLVD
EN22-2142	Solid Waste	08/01/2022	WESTLAWN AREA	2541 EASTLAWN AVE
EN22-2143	Blight	08/01/2022	SUGARBROOK AREA	1771 GROVE RD
EN22-2144	Solid Waste	08/01/2022	LAKEVIEW AREA	2134 BOMBER AVE
EN22-2145	Vegetation	08/01/2022	SUGARBROOK AREA	1427 GATTEGNO ST
EN22-2146	Solid Waste	08/01/2022	LAKEVIEW AREA	2171 BRADLEY AVE
EN22-2147	Vegetation	08/01/2022	HEWITT ROAD AREA	63 N CLUBVIEW DR
EN22-2148	Solid Waste	08/01/2022	LAKEVIEW AREA	1708 EMERSON AVE
EN22-2149	Vegetation	08/01/2022	LAKEVIEW AREA	1781 VICTOR ST
EN22-2151	Zoning	08/01/2022	GAULT VILLAGE AREA	1323 SHIRLEY DR
EN22-2152	Multiple	08/01/2022	LAKEVIEW AREA	1721 EMERSON AVE
EN22-2153	Solid Waste	08/01/2022	SOUTH DISTRICT	7334 GREENFIELD ST
EN22-2154	Vegetation	08/01/2022	LAKEVIEW AREA	1779 OUTER LANE DR
EN22-2155	Solid Waste	08/01/2022	SUGARBROOK AREA	1735 GROVE RD
EN22-2156	Solid Waste	08/01/2022	HEWITT ROAD AREA	330 N CLUBVIEW DR
EN22-2157	Solid Waste	08/01/2022	STEVENS PARK AREA	1316 WARNER ST
EN22-2158	Multiple	08/01/2022	LAY GARDENS AREA	404 CAMPBELL AVE
EN22-2159	Solid Waste	08/01/2022	HEWITT ROAD AREA	286 VALLEY DR

EN22-2160	Vegetation	08/01/2022	HEWITT ROAD AREA	15 EDISON AVE
EN22-2161	Multiple	08/01/2022	WEST WILLOW	680 FOX AVE
EN22-2162	Solid Waste	08/01/2022	OAKLAWN/HAWTHORNE AREA	244 OAKLAWN AVE
EN22-2163	Solid Waste	08/01/2022	OAKLAWN/HAWTHORNE AREA	901 MAPLEWOOD AVE
EN22-2164	Solid Waste	08/01/2022	HEWITT ROAD AREA	192 N HEWITT RD
EN22-2165	Solid Waste	08/01/2022	SOUTH DISTRICT	7963 LAKE CREST DR
EN22-2166	Multiple	08/01/2022	OAKLAWN/HAWTHORNE AREA	823 TYLER RD
EN22-2167	Multiple	08/01/2022	OAKLAWN/HAWTHORNE AREA	949 MAPLEWOOD AVE
EN22-2168	Solid Waste	08/01/2022	GAULT VILLAGE AREA	1212 RUTH AVE
EN22-2169	Parking	08/02/2022	WEST WILLOW	1062 NASH AVE
EN22-2170	Parking	08/02/2022	WEST WILLOW	1324 WOODGLEN AVE
EN22-2171	Parking	08/02/2022	WEST WILLOW	1094 NASH AVE
EN22-2172	Parking	08/02/2022	GAULT VILLAGE AREA	1121 EVELYN AVE
EN22-2173	Zoning	08/02/2022	GAULT VILLAGE AREA	1052 JANET AVE
EN22-2174	Zoning	08/02/2022	LAKEVIEW AREA	2554 HEARTHSIDE DR
EN22-2175	Solid Waste	08/02/2022	THURSTON AREA	212 DEVONSHIRE RD
EN22-2176	Solid Waste	08/02/2022	OAKLAWN/HAWTHORNE AREA	461 HAYES ST
EN22-2177	Blight	08/02/2022		531 WOODLAWN AVE
EN22-2178	Multiple	08/02/2022	THURSTON AREA	124 DEVONSHIRE RD
EN22-2179	Solid Waste	08/02/2022	WEST WILLOW	1122 LORI ST
EN22-2180	Zoning	08/03/2022	SOUTH DISTRICT	8535 TEXTILE RD
EN22-2181	Multiple	08/03/2022	WEST WILLOW	521 EUGENE ST
EN22-2182	Zoning	08/03/2022		9035 TEXTILE RD
EN22-2183	Multiple	08/03/2022	ROUNDTREE AREA	3080 ROUNDTREE BLVD
EN22-2184	Vegetation	08/03/2022	THURSTON AREA	69 OHIO ST
EN22-2185	Property Maintenance	08/03/2022	LAY GARDENS AREA	626 LYNNE AVE
EN22-2186	Vegetation	08/03/2022	SOUTH DISTRICT	5239 APPLEWOOD DR
EN22-2187	Multiple	08/03/2022	HOLMES ROAD AREA	1278 E CLARK RD
EN22-2188	Vegetation	08/03/2022	OAKLAWN/HAWTHORNE AREA	1044 PARKWOOD AVE
EN22-2189	Multiple	08/03/2022	ROUNDTREE AREA	3084 ROUNDTREE BLVD
EN22-2190	Multiple	08/03/2022	ROUNDTREE AREA	3026 ROUNDTREE BLVD
EN22-2191	Multiple	08/03/2022	WEST WILLOW	719 CALDER AVE
EN22-2193	Blight	08/03/2022		1415 E MICHIGAN AVE
EN22-2194	Solid Waste	08/03/2022	SOUTH DISTRICT	6939 MUNGER RD

EN22-2195	Property Maintenance - M	08/03/2022	WEST WILLOW	2354 BRIARDALE CT
EN22-2196	Multiple	08/03/2022	WEST WILLOW	1006 ZEPHYR ST
EN22-2197	Solid Waste	08/03/2022	OAKLAWN/HAWTHORNE AREA	905 TYLER RD
EN22-2198	Solid Waste	08/03/2022	WEST WILLOW	2366 BRIARDALE CT
EN22-2199	Multiple	08/03/2022		1502 ECORSE RD
EN22-2200	Property Maintenance	08/04/2022	APPLERIDGE AREA	2886 APPLERIDGE ST
EN22-2201	Parking	08/04/2022	OAKLAWN/HAWTHORNE AREA	1332 DUNCAN AVE
EN22-2202	Parking	08/04/2022	LAY GARDENS AREA	1185 E CROSS ST
EN22-2203	Zoning	08/04/2022		117 S HARRIS RD
EN22-2204	Zoning	08/04/2022		1474 ECORSE RD
EN22-2205	Multiple	08/04/2022	SUGARBROOK AREA	1590 WISMER ST
EN22-2206	Property Maintenance	08/04/2022	WEST WILLOW	2140 CHEVROLET AVE
EN22-2207	Blight	08/04/2022	HOLMES ROAD AREA	1272 E CLARK RD
EN22-2208	Vacant Property/Building	08/05/2022	SOUTH DISTRICT	5760 TEXTILE RD
EN22-2209	Property Maintenance	08/05/2022	SOUTH DISTRICT	2064 WHITTAKER BLDG F
EN22-2210	Vegetation	08/05/2022	SOUTH DISTRICT	7246 ROYAL TROON DR
EN22-2211	Solid Waste	08/05/2022	HOLMES ROAD AREA	1192 RAMBLING RD
EN22-2212	MULTI	08/05/2022	WEST WILLOW	1175 NASH AVE
EN22-2213	Parking	08/05/2022	SUGARBROOK AREA	1443 GROVE RD
EN22-2214	Zoning	08/05/2022	WEST WILLOW	924 DESOTO AVE
EN22-2215	MULTI	08/05/2022	PINEVIEW AREA	5445 PINEVIEW DR
EN22-2216	Vegetation	08/05/2022	SOUTH DISTRICT	7244 MAPLELAWN DR
EN22-2217	Solid Waste	08/05/2022	SOUTH DISTRICT	7244 MAPLELAWN DR
EN22-2218	Blight	08/05/2022	SOUTH DISTRICT	7031 POPLAR DR
EN22-2219	Vegetation	08/08/2022	SOUTH DISTRICT	6196 WHITTAKER RD
EN22-2220	Vegetation	08/08/2022	SOUTH DISTRICT	6170 WHITTAKER RD
EN22-2221	Solid Waste	08/08/2022	WEST WILLOW	1231 DESOTO AVE
EN22-2222	Soil Erosion	08/08/2022	SOUTH DISTRICT	5703 NEW MEADOW DR
EN22-2225	Property Maintenance	08/09/2022	WEST WILLOW	1976 MARY CATHERINE ST
EN22-2226	Blight	08/09/2022	SUGARBROOK AREA	1351 HARRY ST
EN22-2227	Stop Work Order	08/09/2022	GAULT VILLAGE AREA	1323 SHIRLEY DR
EN22-2228	MULTI	08/09/2022	WEST WILLOW	1230 DESOTO AVE
EN22-2229	Vegetation	08/09/2022	SUGARBROOK AREA	1351 HARRY ST
EN22-2230	Solid Waste	08/09/2022	SOUTH DISTRICT	5815 CARY DR

EN22-2231	MULTI	08/09/2022	LAY GARDENS AREA	993 E CROSS ST
EN22-2232	MULTI	08/09/2022	WEST WILLOW	594 EUGENE ST
EN22-2233	Zoning	08/09/2022	SOUTH DISTRICT	6360 BUNTON RD
EN22-2234	Property Maintenance	08/09/2022	LAY GARDENS AREA	895 E GRAND BLVD
EN22-2235	Blight	08/10/2022	SOUTH DISTRICT	7425 GREENFIELD ST
EN22-2236	Vegetation	08/10/2022	SOUTH DISTRICT	8175 HUMMINGBIRD CT
EN22-2237	Vegetation	08/10/2022	SOUTH DISTRICT	7835 GREENE FARM DR
EN22-2238	Property Maintenance	08/10/2022		1135 S HARRIS RD
EN22-2239	Property Maintenance	08/10/2022		2469 WASHTENAW RD
EN22-2240	Parking	08/10/2022	HOLMES ROAD AREA	1318 FALL RIVER RD
EN22-2241	Property Maintenance	08/10/2022	THURSTON AREA	1564 PARKWOOD AVE
EN22-2242	Parking	08/10/2022	SOUTH DISTRICT	5905 HITCHINGHAM RD
EN22-2243	Vacant Building Property	08/10/2022	Manufactured Home Park	9905 JOAN CIR
EN22-2244	Vacant Building Property	08/10/2022	Manufactured Home Park	6109 LAKE DR
EN22-2245	MULTI	08/10/2022		1486 ECORSE RD
EN22-2246	Solid Waste	08/10/2022	SOUTH DISTRICT	7198 MISSION HILLS DR
EN22-2247	Zoning	08/10/2022	HOLMES ROAD AREA	1266 RAMBLING RD
EN22-2248	MULTI	08/10/2022	HOLMES ROAD AREA	1135 LEXINGTON PKWY
EN22-2249	Solid Waste	08/10/2022	HOLMES ROAD AREA	1222 RUE DEAUVILLE BLVD
EN22-2250	Vegetation	08/10/2022	WEST WILLOW	588 ONANDAGA AVE
EN22-2251	Parking	08/11/2022	LAKEVIEW AREA	2014 MOELLER AVE
EN22-2252	Solid Waste	08/11/2022	WEST WILLOW	1144 WOODGLEN AVE
EN22-2253	Vegetation	08/11/2022	SOUTH DISTRICT	5910 WILLOWBRIDGE RD
EN22-2254	Vegetation	08/11/2022	HEWITT ROAD AREA	231 EDISON AVE
EN22-2255	Vegetation	08/12/2022	HOLMES ROAD AREA	1121 RAMBLING RD
EN22-2256	Parking	08/12/2022	WEST WILLOW	549 ONANDAGA AVE
EN22-2257	Solid Waste	08/12/2022	SOUTH DISTRICT	7256 MAPLELAWN DR
EN22-2258	Blight	08/12/2022	OAKLAWN/HAWTHORNE AREA	460 GREENLAWN ST
EN22-2259	Solid Waste	08/12/2022	HOLMES ROAD AREA	1339 FALL RIVER RD
EN22-2260	Parking	08/12/2022	HOLMES ROAD AREA	1340 REDLEAF LN
EN22-2261	Blight - Fire	08/15/2022	SUGARBROOK AREA	1378 HARRY ST
EN22-2262	Solid Waste	08/15/2022	SOUTH DISTRICT	7200 S HURON RIVER DR
EN22-2263	Solid Waste	08/15/2022	LAKEVIEW AREA	2454 HEARTHSIDE DR
EN22-2264	Vegetation	08/15/2022	WEST WILLOW	627 ONANDAGA AVE

EN22-2265	Solid Waste	08/15/2022	SOUTH DISTRICT	9397 S HURON RIVER DR
EN22-2266	MULTI	08/15/2022	WEST WILLOW	1967 TYLER RD
EN22-2267	MULTI	08/15/2022	OAKLAWN/HAWTHORNE AREA	202 ROSEWOOD AVE
EN22-2268	Solid Waste	08/15/2022	GAULT VILLAGE AREA	1103 EVELYN AVE
EN22-2269	MULTI	08/15/2022	SOUTH DISTRICT	6052 TUTTLE HILL RD
EN22-2270	Vegetation	08/15/2022	SOUTH DISTRICT	6007 S MIAMI ST
EN22-2271	Vegetation	08/15/2022	WEST WILLOW	1769 TYLER RD
EN22-2272	Vegetation	08/15/2022	SOUTH DISTRICT	7347 WELLINGTON LN
EN22-2273	Vegetation	08/15/2022	SOUTH DISTRICT	7237 HOGAN DR
EN22-2274	Vegetation	08/15/2022	WEST WILLOW	680 NASH AVE
EN22-2275	Vegetation	08/15/2022	SOUTH DISTRICT	7411 WELLINGTON LN
EN22-2276	Property Maintenance	08/15/2022	SOUTH DISTRICT	9885 TEXTILE RD
EN22-2277	Property Maintenance	08/16/2022	SOUTH DISTRICT	7402 RED BIRD DR
EN22-2278	Zoning	08/16/2022	SOUTH DISTRICT	7875 GREENE FARM DR
EN22-2279	Solid Waste	08/16/2022	HEWITT ROAD AREA	1979 MCKINLEY AVE
EN22-2280	Basketball Hoop	08/16/2022	WEST WILLOW	705 NASH AVE
EN22-2281	Blight	08/16/2022	WEST WILLOW	1961 CHEVROLET AVE
EN22-2282	Vegetation	08/17/2022		204 S HARRIS RD BLDG 1
EN22-2283	Blight	08/17/2022		1891 E MICHIGAN AVE
EN22-2285	MULTI	08/17/2022	THURSTON AREA	130 OHIO ST
EN22-2286	Property Maintenance	08/17/2022		2349 WASHTENAW RD
EN22-2287	Vegetation	08/17/2022	SUGARBROOK AREA	1729 KNOWLES ST
EN22-2288	Solid Waste	08/17/2022	WEST WILLOW	905 DESOTO AVE
EN22-2289	Solid Waste	08/17/2022	HEWITT ROAD AREA	2036 MCKINLEY AVE
EN22-2290	Vegetation	08/17/2022	SOUTH DISTRICT	6371 TUTTLE HILL RD
EN22-2291	Vegetation	08/17/2022	SOUTH DISTRICT	7475 SPY GLASS LN
EN22-2292	Property Maintenance	08/17/2022	LAKEVIEW AREA	1659 SMITH
EN22-2293	Blight	08/17/2022	LAY GARDENS AREA	793 E GRAND BLVD
EN22-2294	Parking	08/17/2022	LAY GARDENS AREA	446 N HARRIS RD
EN22-2295	Zoning	08/17/2022		1771 E MICHIGAN AVE
EN22-2296	Blight	08/17/2022	WEST WILLOW	1852 EILEEN AVE
EN22-2297	Property Maintenance	08/17/2022	HEWITT ROAD AREA	2361 DRAPER AVE
EN22-2298	Solid Waste	08/17/2022	WEST WILLOW	1783 EILEEN AVE
EN22-2299	MULTI	08/17/2022	SOUTH DISTRICT	5459 GRAYFIELD CIR

EN22-2300	Solid Waste	08/17/2022	SOUTH DISTRICT	7487 BERMUDA DUNES DR
EN22-2301	Property Maintenance	08/17/2022	WINGATE CONDOS	1549 WINGATE BLVD
EN22-2302	Zoning	08/18/2022	HEWITT ROAD AREA	1960 HARDING AVE
EN22-2303	Parking	08/18/2022	LAY GARDENS AREA	415 E GRAND BLVD
EN22-2304	Solid Waste	08/18/2022	SOUTH DISTRICT	6630 RAWSONVILLE RD
EN22-2305	Zoning	08/18/2022	LAKEVIEW AREA	1660 EMERSON AVE
EN22-2306	Zoning	08/18/2022	THURSTON AREA	110 OHIO ST
EN22-2307	Basketball Hoop	08/18/2022	WEST WILLOW	610 NASH AVE
EN22-2308	Parking	08/18/2022	SOUTH DISTRICT	5651 BIG PINE DR
EN22-2309	Parking	08/18/2022	SOUTH DISTRICT	5849 BIG PINE DR
EN22-2310	Vegetation	08/18/2022	WEST WILLOW	1230 DESOTO AVE
EN22-2312	Solid Waste	08/19/2022	WEST WILLOW	1835 CAROL ANN AVE
EN22-2313	MULTI	08/19/2022	WEST WILLOW	1354 NASH AVE
EN22-2314	Vegetation	08/19/2022	WEST WILLOW	1319 NASH AVE
EN22-2315	Property Maintenance	08/19/2022	SOUTH DISTRICT	6395 TUTTLE HILL RD
EN22-2316	Property Maintenance	08/19/2022	SOUTH DISTRICT	6275 TUTTLE HILL RD
EN22-2317	Property Maintenance	08/19/2022	SOUTH DISTRICT	6299 TUTTLE HILL RD
EN22-2318	Property Maintenance	08/19/2022	SOUTH DISTRICT	6335 TUTTLE HILL RD
EN22-2319	Basketball Hoop	08/19/2022	OAKLAWN/HAWTHORNE AREA	610 WOODLAWN AVE
EN22-2320	Vegetation	08/19/2022	SOUTH DISTRICT	5760 TEXTILE RD
EN22-2321	Basketball Hoop	08/19/2022	OAKLAWN/HAWTHORNE AREA	640 WOODLAWN AVE
EN22-2322	MULTI	08/22/2022	HOLMES ROAD AREA	1149 LAUREL CT
EN22-2323	MULTI	08/22/2022	OAKLAWN/HAWTHORNE AREA	992 PARKWOOD AVE
EN22-2324	Vegetation	08/22/2022	BUD/BLOSSOM AREA	1450 BLOSSOM AVE
EN22-2325	Property Maintenance	08/22/2022	LAY GARDENS AREA	859 LAMAY AVE
EN22-2326	Zoning	08/22/2022	SOUTH DISTRICT	6207 S IVANHOE AVE
EN22-2327	Vegetation	08/22/2022	WEST WILLOW	785 DESOTO AVE
EN22-2328	Solid Waste	08/22/2022	HOLMES ROAD AREA	1263 FALL RIVER RD
EN22-2329	Vegetation	08/22/2022	WEST WILLOW	709 CALDER AVE
EN22-2330	Blight	08/22/2022	LAKEVIEW AREA	1921 EMERSON AVE
EN22-2331	Vegetation	08/22/2022	HOLMES ROAD AREA	1253 FALL RIVER RD
EN22-2332	Property Maintenance	08/22/2022	ASPEN CHASE/VILLAS APARTMENTS	2805 BYNAN DR 205
EN22-2333	Vegetation	08/22/2022		2562 NORTHLAWN AVE
EN22-2334	MULTI	08/22/2022		835 GEORGE PL BLDG 1

EN22-2335	MULTI	08/22/2022	LAY GARDENS AREA	845 GEORGE PL
EN22-2336	Zoning	08/19/2022	OAKLAWN/HAWTHORNE AREA	549 KENNEDY AVE
EN22-2337	Property Maintenance	08/22/2022	SOUTH DISTRICT	8715 LAGOON DR
EN22-2338	Rental - Unregistered	08/23/2022	HOLMES ROAD AREA	1253 COMMONWEALTH AVE
EN22-2339	Zoning	08/23/2022	SOUTH DISTRICT	6062 RAWSONVILLE RD
EN22-2340	MULTI	08/23/2022	OAKLAWN/HAWTHORNE AREA	1480 PARKWOOD AVE
EN22-2341	Vegetation	08/24/2022	HOLMES ROAD AREA	1278 E CLARK RD
EN22-2343	MULTI	08/24/2022		2864 WASHTENAW RD COMMON ARE
EN22-2344	Solid Waste	08/24/2022	SOUTH DISTRICT	6751 MAPLELAWN DR
EN22-2345	Vegetation	08/24/2022	LAY GARDENS AREA	602 BAGLEY AVE
EN22-2346	Vegetation	08/24/2022	SOUTH DISTRICT	10989 MARTZ RD
EN22-2347	Property Maintenance	08/24/2022		2146 MOELLER AVE
EN22-2348	Rental - Unregistered	08/25/2022	LAKEVIEW AREA	2152 MOELLER AVE
EN22-2349	Blight	08/25/2022	SOUTH DISTRICT	8694 INDIGO LN
EN22-2350	Property Maintenance	08/25/2022	WESTLAWN AREA	493 N HEWITT RD
EN22-2351	Vegetation	08/25/2022		822 E MICHIGAN AVE
EN22-2352	Vegetation	08/25/2022		950 E MICHIGAN AVE
EN22-2353	Property Maintenance	08/25/2022	HEWITT ROAD AREA	2242 HARDING AVE
EN22-2354	Solid Waste	08/25/2022	HEWITT ROAD AREA	30 HILLCREST BLVD
EN22-2355	Zoning	08/25/2022	SOUTH DISTRICT	7611 WARWICK DR
EN22-2356	Building Code	08/26/2022		386 S FORD BLVD
EN22-2357	Solid Waste	08/26/2022	BUD/BLOSSOM AREA	1482 BLOSSOM AVE
EN22-2358	MULTI	08/26/2022	SOUTH DISTRICT	6299 TUTTLE HILL RD
EN22-2359	Vegetation	08/26/2022		1230 N PROSPECT RD
EN22-2360	Vegetation	08/26/2022	HOLMES ROAD AREA	1466 N PROSPECT RD
EN22-2361	MULTI	08/26/2022	SOUTH DISTRICT	6275 TUTTLE HILL RD
EN22-2362	Vegetation	08/26/2022	WEST WILLOW	1659 S PASADENA ST
EN22-2363	MULTI	08/26/2022	HOLMES ROAD AREA	1389 N PROSPECT RD
EN22-2364	Vegetation	08/26/2022	HOLMES ROAD AREA	447 BELLERS CT
EN22-2365	MULTI	08/26/2022	SOUTH DISTRICT	6335 TUTTLE HILL RD
EN22-2366	Blight	08/26/2022	WESTLAWN AREA	524 DEXTER AVE
EN22-2367	Vegetation	08/26/2022	HOLMES ROAD AREA	1470 N PROSPECT RD
EN22-2368	Vegetation	08/26/2022	WEST WILLOW	1629 S PASADENA ST
EN22-2369	Vegetation	08/26/2022	HOLMES ROAD AREA	1415 N PROSPECT RD

EN22-2370	Zoning	08/26/2022	SUGARBROOK AREA	1477 MOLLIE ST
EN22-2371	Zoning	08/26/2022	HOLMES ROAD AREA	530 E TERRACE LN
EN22-2372	Solid Waste	08/26/2022	LAY GARDENS AREA	1260 E FOREST AVE
EN22-2373	Solid Waste	08/26/2022	HEWITT ROAD AREA	2401 HARDING AVE
EN22-2374	Parking	08/26/2022	WEST WILLOW	924 DESOTO AVE
EN22-2375	Vegetation	08/26/2022	HEWITT ROAD AREA	2260 HARDING AVE
EN22-2376	Vegetation	08/26/2022	HEWITT ROAD AREA	2422 CARRIAGE WAY
EN22-2377	Rental - Unregistered	08/29/2022	WINGATE CONDOS	1614 WINGATE BLVD
EN22-2378	Property Maintenance - N	08/29/2022	SOUTH DISTRICT	7108 HOMESTEAD RD
EN22-2379	Zoning	08/29/2022	STEVENS PARK AREA	1255 W MICHIGAN AVE
EN22-2380	MULTI	08/29/2022	OAKLAWN/HAWTHORNE AREA	637 GREENLAWN ST
EN22-2381	Vegetation	08/29/2022	LAY GARDENS AREA	543 BAGLEY AVE
EN22-2382	Vegetation	08/29/2022	SOUTH DISTRICT	6375 ENCHANTED DR
EN22-2383	Solid Waste	08/29/2022	OAKLAWN/HAWTHORNE AREA	640 WHARTON ST
EN22-2384	Vegetation	08/29/2022	SOUTH DISTRICT	8525 CRESCENT LN
EN22-2385	Property Maintenance	08/29/2022	SOUTH DISTRICT	5654 HUNTINGTON CT
EN22-2386	Property Maintenance	08/29/2022	SOUTH DISTRICT	5850 HUNTINGTON DR
EN22-2387	Solid Waste	08/29/2022	SUGARBROOK AREA	1440 FOLEY AVE
EN22-2388	Property Maintenance	08/29/2022	SOUTH DISTRICT	5838 HUNTINGTON DR
EN22-2389	Property Maintenance	08/29/2022	SOUTH DISTRICT	5797 HUNTINGTON DR
EN22-2390	Property Maintenance - N	08/29/2022	SOUTH DISTRICT	5734 HUNTINGTON DR
EN22-2391	Property Maintenance	08/29/2022	SOUTH DISTRICT	5859 HUNTINGTON DR
EN22-2392	Property Maintenance	08/29/2022	SOUTH DISTRICT	5782 HUNTINGTON DR
EN22-2393	MULTI	08/29/2022	OAKLAWN/HAWTHORNE AREA	426 HAYES ST
EN22-2394	MULTI	08/29/2022	LAKEVIEW AREA	2070 MCGREGOR RD
EN22-2395	Solid Waste	08/29/2022	HEWITT ROAD AREA	2192 MERRILL ST
EN22-2396	Solid Waste	08/29/2022	WEST WILLOW	800 GATES AVE
EN22-2397	Property Maintenance	08/29/2022	WEST WILLOW	820 DESOTO AVE
EN22-2398	Property Maintenance	08/30/2022		1767 S HURON ST
EN22-2399	Basketball Hoop	08/30/2022	SOUTH DISTRICT	7244 HOMESTEAD RD
EN22-2400	Solid Waste	08/30/2022	HOLMES ROAD AREA	1148 FALL RIVER RD
EN22-2401	Vegetation	08/30/2022	HOLMES ROAD AREA	1158 FALL RIVER RD
EN22-2402	MULTI	08/30/2022		2500 HOLMES RD
EN22-2403	Property Maintenance	08/31/2022	HOLMES ROAD AREA	1004 CARVER AVE

EN22-2404	Property Maintenance - M	08/31/2022	SOUTH DISTRICT	1938 WHITTAKER RD BLDG C
EN22-2405	Property Maintenance - M	08/31/2022	GAULT VILLAGE AREA	1174 GAULT DR
EN22-2406	Vegetation	08/31/2022	SOUTH DISTRICT	7340 HOMESTEAD RD
EN22-2407	Vegetation	08/31/2022	HOLMES ROAD AREA	1062 RAMBLING RD
EN22-2408	Parking	08/31/2022	APPLERIDGE AREA	2853 APPLERIDGE ST
EN22-2409	Solid Waste	08/31/2022	OAKLAWN/HAWTHORNE AREA	1337 HAWTHORNE AVE
EN22-2410	Vegetation	08/31/2022	LAY GARDENS AREA	55 WIARD RD
EN22-2411	Solid Waste	08/31/2022	WEST WILLOW	1276 WOODGLEN AVE
EN22-2412	Parking	08/31/2022	LAY GARDENS AREA	55 WIARD RD
EN22-2413	Parking	08/31/2022	WEST WILLOW	2331 BRIARDALE CT
EN22-2414	Blight	08/31/2022	SOUTH DISTRICT	5384 INDIAN TRL
EN22-2415	Solid Waste	08/31/2022	OAKLAWN/HAWTHORNE AREA	1011 PARKWOOD AVE
EN22-2416	Parking	08/31/2022	OAKLAWN/HAWTHORNE AREA	209 OAKLAWN AVE
EN22-2417	Vegetation	08/31/2022	LAY GARDENS AREA	799 ALLEN RD
EN22-2418	Blight	08/31/2022	ROUNDTREE AREA	2902 ROUNDTREE BLVD
EN22-2419	Property Maintenance	08/31/2022	WEST WILLOW	1965 CHEVROLET AVE
EN22-2420	Vegetation	08/31/2022	SOUTH DISTRICT	8068 CREEK BEND DR
EN22-2421	Vegetation	08/31/2022	WEST WILLOW	972 DESOTO AVE
EN22-2422	Solid Waste	08/31/2022	SOUTH DISTRICT	8084 CREEK BEND DR

NEW RENTAL HOUSING CERT ISSUED - AUGUST 2022

Cert Type	Cert Number	Date Issued	Address
Rental 24	CSFR-21-1295	08/01/2022	1026 LORI ST
Rental 24	CSFR-21-1355	08/01/2022	549 CALDER AVE
Rental 24	CSFR-22-0765	08/01/2022	1633 FOLEY AVE
Rental 24	CSFR-22-0766	08/01/2022	163 LAMAY AVE
Rental 24	CSFR-22-0842	08/01/2022	351 KANSAS AVE
Rental 24	CSFR-22-0880	08/01/2022	5504 GRAYFIELD CIR
Rental 24	CSFR-22-0671	08/01/2022	2898 APPLERIDGE ST
Rental 24	CSFR-22-0524	08/01/2022	1040 WOODGLEN AVE
Rental 24	CSFR-19-1546	08/02/2022	1018 STUDEBAKER AVE
Rental 24	CSFR-22-0223	08/02/2022	1362 FALL RIVER RD
Rental 24	CSFR-22-0336	08/02/2022	530 EUGENE ST
Rental 24	CSFR-22-0337	08/02/2022	1505 MOLLIE ST
Rental 24	CSFR-22-0585	08/02/2022	927 DAVIS ST #1
Rental 24	CSFR-22-0586	08/02/2022	927 DAVIS ST #2
Rental 24	CSFR-19-1349	08/03/2022	7300 RAWSONVILLE RD
Rental 24	CSFR-21-0276	08/03/2022	2343 SUNNYGLEN AVE
Rental 24	CSFR-22-0711	08/03/2022	540 NASH AVE
Rental 24	CSFR-22-0727	08/03/2022	701 DESOTO AVE
Rental 24	CSFR-22-0729	08/03/2022	1061 STUDEBAKER AVE
Rental 24	CSFR-22-0730	08/03/2022	714 DESOTO AVE
Rental 24	CSFR-22-0827	08/03/2022	1113 ZEPHYR ST
Rental 24	CSFR-22-0828	08/03/2022	771 EUGENE ST
Rental 24	CSFR-22-0947	08/03/2022	1065 ZEPHYR ST
Rental 24	CSFR-19-0913	08/04/2022	819 EUGENE ST
Rental 24	CSFR-21-0437	08/04/2022	819 EUGENE ST
Rental 24	CSFR-21-1196	08/04/2022	1253 COMMONWEALTH AVE
Rental 24	CSFR-22-0126	08/04/2022	7676 BAY TREE DR
Rental 24	CSFR-22-0071	08/04/2022	1814 CAROL ANN AVE
Rental 24	CSFR-22-0897	08/04/2022	711 OSWEGO AVE
Rental 24	CSFR-22-0678	08/04/2022	1704 FOLEY AVE

Rental 24	CSFR-22-0128	08/04/2022	446 HAYES ST
Rental 24	CSFR-21-1304	08/05/2022	1285 WARNER ST
Rental 24	CSFR-22-0698	08/05/2022	7920 WINTERFIELD DR
Rental 24	CSFR-22-0707	08/05/2022	840 GATES AVE
Rental 24	CSFR-22-0804	08/05/2022	1070 DESOTO AVE
Rental 24	CSFR-22-0805	08/05/2022	1310 JEFF ST
Rental 24	CSFR-22-0906	08/05/2022	1131 WENDELL AVE
Rental 24	CSFR-22-0629	08/05/2022	6027 RAVINE CT
Rental 24	CSFR-21-0288	08/08/2022	1323 FALL RIVER RD
Rental 24	CSFR-21-1088	08/08/2022	236 DEVONSHIRE RD
Rental 24	CSFR-21-1219	08/08/2022	1078 STUDEBAKER AVE
Rental 24	CSFR-21-1275	08/08/2022	1653 CONWAY ST
Rental 24	CSFR-22-0622	08/08/2022	730 CAYUGA AVE
Rental 24	CSFR-22-0733	08/08/2022	866 MAPLEWOOD AVE
Rental 24	CSFR-22-0770	08/08/2022	1140 WENDELL AVE
Rental 24	CSFR-22-0771	08/08/2022	1220 PAGEANT AVE
Rental 24	CSFR-22-0902	08/08/2022	1012 LEVONA ST
Rental 24	CSFR-21-0098	08/09/2022	2410 HARDING AVE
Rental 24	CSFR-22-0110	08/09/2022	1231 DESOTO AVE
Rental 24	CSFR-22-0212	08/09/2022	709 DORSET AVE
Rental 24	CSFR-22-0517	08/09/2022	1802 CAROL ANN AVE
Rental 24	CSFR-22-0571	08/09/2022	610 CALDER AVE
Rental 24	CSFR-22-0829	08/09/2022	586 N HARRIS RD
Rental 24	CSFR-22-0830	08/09/2022	425 HAYES ST
Rental 24	CSFR-22-0831	08/09/2022	571 HAYES ST
Rental 24	CSFR-22-0808	08/10/2022	2754 AMBASSADOR DR
Rental 24	CSFR-22-0809	08/10/2022	2760 AMBASSADOR DR
Rental 24	CSFR-22-0639	08/10/2022	1656 PARKWOOD AVE
Rental 24	CSFR-22-0640	08/10/2022	1662 PARKWOOD AVE
Rental 24	CSFR-22-0194	08/12/2022	1524 E CLARK RD
Rental 24	CSFR-22-0195	08/12/2022	1562 E CLARK RD
Rental 24	CSFR-22-0196	08/12/2022	1414 FALL RIVER RD
Rental 24	CSFR-22-0197	08/12/2022	1230 REDLEAF LN
Rental 24	CSFR-22-0198	08/12/2022	1373 HAWTHORNE AVE

Rental 24	CSFR-22-0596	08/15/2022	1338 NASH AVE
Rental 24	CSFR-22-0734	08/15/2022	550 E TERRACE LN
Rental 24	CSFR-22-0623	08/15/2022	7198 MISSION HILLS DR
Rental 24	CSFR-22-0751	08/15/2022	3226 GROVE RD 1
Rental 24	CSFR-21-0231	08/16/2022	1341 DESOTO AVE
Rental 24	CSFR-21-1104	08/16/2022	1695 RUSSELL ST
Rental 24	CSFR-21-1151	08/16/2022	1420 CANDLEWOOD LN
Rental 24	CSFR-21-1301	08/16/2022	630 GILL ST
Rental 24	CSFR-21-1429	08/16/2022	2628 E MICHIGAN AVE #2
Rental 24	CSFR-22-0105	08/16/2022	1321 WENDELL AVE
Rental 24	CSFR-22-0348	08/16/2022	1221 SHIRLEY DR
Rental 24	CSFR-22-0403	08/16/2022	2401 HARDING AVE
Rental 24	CSFR-22-0826	08/16/2022	1211 DESOTO AVE
Rental 24	CSFR-22-0868	08/16/2022	231 DAKOTA AVE
Rental 24	CSFR-22-0882	08/16/2022	1020 HUNTER AVE
Rental 24	CSFR-22-0881	08/16/2022	854 E GRAND BLVD
Rental 24	CSFR-22-0787	08/16/2022	2373 RAVINEWOOD AVE
Rental 24	CSFR-22-0752	08/16/2022	3226 GROVE RD 2
Rental 24	CSFR-22-0740	08/16/2022	972 CENTENNIAL AVE
Rental 24	CSFR-21-1411	08/16/2022	3274 GROVE RD
Rental 24	CSFR-21-1367	08/16/2022	2563 HEARTHSIDE DR
Rental 24	CSFR-21-1277	08/16/2022	963 OTTAWA AVE
Rental 24	CSFR-21-1203	08/16/2022	3286 GROVE RD
Rental 24	CSFR-21-1095	08/16/2022	630 DESOTO AVE
Rental 24	CSFR-21-0385	08/16/2022	921 DESOTO AVE
Rental 24	CSFR-21-0113	08/16/2022	5608 JUSTIN CT
Rental 24	CSFR-21-0112	08/16/2022	6919 LAKEWAY ST
Rental 24	CSFR-20-0265	08/16/2022	2051 BRADLEY AVE
Rental 24	CSFR-22-0648	08/16/2022	992 HAWTHORNE AVE
Rental 24	CSFR-22-0242	08/17/2022	1881 EILEEN AVE
Rental 24	CSFR-21-0297	08/17/2022	789 CLUBHOUSE DR
Rental 24	CSFR-19-0433	08/18/2022	1327 NASH AVE
Rental 24	CSFR-22-0669	08/19/2022	1260 COMMONWEALTH AVE
Rental 24	CSFR-22-0682	08/19/2022	1510 WINGATE BLVD

Rental 24	CSFR-22-0483	08/19/2022	333 DEVONSHIRE RD
Rental 24	CSFR-22-0530	08/19/2022	542 GREENLAWN ST
Rental 24	CSFR-22-0529	08/19/2022	587 EUGENE ST
Rental 24	CSFR-22-0371	08/19/2022	1364 DESOTO AVE
Rental 24	CSFR-22-0040	08/19/2022	1358 MCCARTHY CT
Rental 24	CSFR-22-0432	08/19/2022	1063 DESOTO AVE
Rental 24	CSFR-22-0913	08/19/2022	2347 PONDEROSA CT
Rental 24	CSFR-21-0427	08/22/2022	6298 BUNTON RD
Rental 24	CSFR-21-0934	08/22/2022	6561 ROBIN CT
Rental 24	CSFR-22-0709	08/22/2022	2369 PINERIDGE CT
Rental 24	CSFR-22-0837	08/22/2022	611 HOLLIS AVE
Rental 24	CSFR-22-0974	08/22/2022	540 MONTREAL AVE
Rental 24	CSFR-22-0973	08/22/2022	1583 WISMER ST
Rental 24	CSFR-22-0972	08/22/2022	1699 WISMER ST
Rental 24	CSFR-22-0919	08/22/2022	9663 BAYVIEW DR 311
Rental 24	CSFR-22-0918	08/22/2022	9631 HARBOUR COVE CT
Rental 24	CSFR-22-0894	08/22/2022	7848 TROTTERS PARK ST
Rental 24	CSFR-22-0244	08/22/2022	5575 MERRITT RD
Rental 24	CSFR-22-0069	08/22/2022	1549 WINGATE BLVD
Rental 24	CSFR-21-1117	08/23/2022	1781 VICTOR ST
Rental 24	CSFR-22-0788	08/23/2022	1137 NASH AVE
Rental 24	CSFR-22-0789	08/23/2022	1115 NASH AVE
Rental 24	CSFR-22-0893	08/23/2022	8778 TRILLIUM DR
Rental 24	CSFR-21-1253	08/24/2022	623 GLENWOOD AVE
Rental 24	CSFR-22-0011	08/25/2022	2630 WOODRUFF LN
Rental 24	CSFR-22-0619	08/25/2022	1575 WINGATE BLVD
Rental 24	CSFR-21-0518	08/25/2022	881 ALLEN RD
Rental 24	CSFR-19-1216	08/29/2022	1694 VICTOR ST
Rental 24	CSFR-21-0395	08/29/2022	2300 MIDVALE ST
Rental 24	CSFR-21-0845	08/29/2022	1805 W MICHIGAN AVE
Rental 24	CSFR-21-0931	08/29/2022	7249 WARWICK DR
Rental 24	CSFR-21-1093	08/29/2022	411 WOODLAWN AVE
Rental 24	CSFR-22-0024	08/29/2022	7134 WELLINGTON LN
Rental 24	CSFR-22-0591	08/29/2022	2802 APPLERIDGE ST

Rental 24	CSFR-22-0683	08/29/2022	1276 WOODGLEN AVE
Rental 24	CSFR-22-0810	08/29/2022	2361 LAKEVIEW AVE
Rental 24	CSFR-22-0812	08/29/2022	351 S MANSFIELD ST #1
Rental 24	CSFR-22-0813	08/29/2022	351 S MANSFIELD ST #2
Rental 24	CSFR-22-0867	08/29/2022	459 HAYES ST
Rental 24	CSFR-22-1017	08/29/2022	834 E CROSS ST A
Rental 24	CSFR-22-0853	08/29/2022	1352 DAVIS ST
Rental 24	CSFR-19-1069	08/29/2022	1832 PATRICK ST
Rental 24	CSFR-22-0847	08/29/2022	472 E GRAND BLVD
Rental 24	CSFR-22-0846	08/29/2022	542 HUDSON ST
Rental 24	CSFR-22-0845	08/29/2022	2368 PINERIDGE CT
Rental 24	CSFR-22-0920	08/29/2022	731 N REDWOOD AVE #1
Rental 24	CSFR-20-0251	08/30/2022	545 N IVANHOE AVE
Rental 24	CSFR-22-0338	08/30/2022	2426 ROANOAKE DR
Rental 24	CSFR-22-0200	08/30/2022	2078 BRADLEY AVE
Rental 24	CSFR-22-0570	08/30/2022	290 DAKOTA AVE
Rental 24	CSFR-22-0569	08/30/2022	529 ROSEWOOD AVE
Rental 24	CSFR-22-0318	08/30/2022	224 N HEWITT RD
Rental 24	CSFR-22-0866	08/30/2022	724 NASH AVE
Rental 24	CSFR-22-0454	08/30/2022	6182 OAKHURST DR
Rental 24	CSFR-22-0206	08/30/2022	6262 OAKHURST DR
Rental 24	CSFR-21-0901	08/31/2022	2377 BROOKTREE CT
Rental 24	CSFR-21-0980	08/31/2022	1156 LESTER AVE
Rental 24	CSFR-22-0083	08/31/2022	563 HUDSON ST
Rental 24	CSFR-22-0191	08/31/2022	2886 APPLERIDGE ST
Rental 24	CSFR-22-0192	08/31/2022	1243 FALL RIVER RD
Rental 24	CSFR-22-0193	08/31/2022	1454 BYRON AVE
Rental 24	CSFR-22-0227	08/31/2022	825 DESOTO AVE
Rental 24	CSFR-22-0267	08/31/2022	1185 ZEPHYR ST
Rental 24	CSFR-22-0496	08/31/2022	7385 ROYAL TROON DR
Rental 24	CSFR-22-0548	08/31/2022	1160 SHIRLEY DR
Rental 24	CSFR-22-0653	08/31/2022	1425 S HARRIS RD #1
Rental 24	CSFR-22-0807	08/31/2022	1021 NASH AVE
Rental 24	CSFR-22-0861	08/31/2022	510 N MOHAWK AVE

Rental 24	CSFR-22-0938	08/31/2022	1441 RIDGE RD
Rental 24	CSFR-22-0967	08/31/2022	1357 HUNTER AVE

NEW VACANT STRUCTURE APPLICATIONS - AUGUST 2022

Cert Type	Cert Number	Date Applied	Address
Vacant Residential	CVR-22-0033	08/09/2022	1571 RUSSELL ST
Vacant Residential	CVR-22-0034	08/09/2022	1374 HAWTHORNE AVE
Vacant Residential	CVR-22-0035	08/10/2022	285 OREGON ST
Vacant Residential	CVR-22-0036	08/10/2022	696 OSWEGO AVE
Vacant Residential	CVR-22-0037	08/15/2022	189 OUTER LN
Vacant Residential	CVR-22-0038	08/15/2022	1685 CLIFFS 301 B LNDG
Vacant Residential	CVR-22-0039	08/22/2022	1320 PARKWOOD AVE
Vacant Residential	CVR-22-0040	08/31/2022	1319 NASH AVE

BUILDING DEPARTMENT PERMITS ISSUED - AUGUST 2022

Permit Type	Category	Date Issued	Permit Number	Address Display String	Construction Value	Amount Paid	Date Finaled
Building	Res Alter/Repair	08/03/2022	PB22-0650	52 COLONY CT	$22,039.00	$300.00	
Building	Res Windows	08/04/2022	PB22-0666	7457 STREAMWOOD DR	$3,992.00	$85.00	
Building	Res Misc Concrete	08/04/2022	PB22-0672	9247 PARKLAND DR	$3,050.00	$65.00	
Building	Res New Roof	08/04/2022	PB22-0701	1260 LEXINGTON PKWY	$12,824.00	$175.00	
Building	Res Alter/Repair	08/04/2022	PB22-0682	1302 SHIRLEY DR	$7,370.00	$150.00	
Building	Res Handicap Ramp	08/04/2022	PB22-0651	1391 WENDELL AVE	$1,000.00	$100.00	08/23/2022
Building	Res Misc.	08/04/2022	PB22-0688	1255 E MICHIGAN AVE	$2,000.00	$125.00	08/24/2022
Building	Res New Roof	08/04/2022	PB22-0633	1010 JAMES L HART PKWY	$398,000.00	$4,065.00	
Building	Res Misc.	08/04/2022	PB22-0664	7356 E BROOK DR	$2,000.00	$100.00	
Building	Res Handicap Ramp	08/04/2022	PB22-0652	311 HILLCREST BLVD	$840.00	$100.00	08/10/2022
Building	Res Alter/Repair	08/09/2022	PB22-0690	710 CLIFFS DR 106A	$73,224.00	$835.00	
Building	Res Alter/Repair	08/09/2022	PB22-0691	710 CLIFFS DR 206A	$1.00	$0.00	
Building	Res Alter/Repair	08/09/2022	PB22-0692	710 CLIFFS DR 306A	$1.00	$0.00	
Building	Res Alter/Repair	08/09/2022	PB22-0693	730 CLIFFS DR 103A	$1.00	$1,135.00	
Building	Res Alter/Repair	08/09/2022	PB22-0694	730 CLIFFS DR 104A	$1.00	$0.00	
Building	Res Alter/Repair	08/09/2022	PB22-0695	730 CLIFFS DR 203A	$1.00	$0.00	
Building	Res Alter/Repair	08/09/2022	PB22-0697	730 CLIFFS DR 204A	$1.00	$0.00	
Building	Res Alter/Repair	08/09/2022	PB22-0698	730 CLIFFS DR 303A	$1.00	$0.00	
Building	Res Alter/Repair	08/09/2022	PB22-0699	730 CLIFFS DR 304A	$1.00	$0.00	
Building	Res Windows	08/09/2022	PB22-0793	7484 OAKLAND HILLS DR	$13,410.00	$185.00	
Building	Res Windows	08/09/2022	PB22-0792	436 WOODLAWN AVE	$795.00	$75.00	
Building	Res Windows	08/09/2022	PB22-0789	7091 FIELDING ST	$13,370.00	$185.00	
Building	Res Windows	08/09/2022	PB22-0712	1005 N TERRACE LN	$5,449.00	$105.00	
Building	Res Garage detached	08/10/2022	PB22-0605	2097 S CONGRESS ST	$14,500.00	$220.00	
Building	Res Alter/Repair	08/11/2022	PB22-0804	57 EDISON AVE	$5,500.00	$105.00	
Building	Res Alter/Repair	08/12/2022	PB22-0683	215 S WALLACE BLVD	$14,428.00	$220.00	
Building	Com New Building	08/12/2022	PB22-0680	2010 E MICHIGAN	$200,000.00	$2,345.00	
Building	Com New Building	08/12/2022	PB22-0681	2050 E MICHIGAN AVE	$200,000.00	$2,345.00	
Building	Res Solar Panel	08/15/2022	PB22-0803	240 ELDER ST	$34,647.00	$420.00	
Building	Com Sign	08/16/2022	PB22-0642	840 MAUS AVE	$1.00	$125.00	
Building	Comm Misc.	08/17/2022	PB22-0556	1797 WASHTENAW RD	$6,000.00	$130.00	08/22/2022

Building	Res Handicap Ramp	08/18/2022	PB22-0645	1935 HARDING AVE	$3,000.00	$100.00	08/31/2022
Building	Com Addition	08/18/2022	PB22-0809	2092 WHITTAKER BLDG H	$12,000.00	$465.00	
Building	Res Alter/Repair	08/22/2022	PB22-0811	480 BERKLEY ST	$42,500.00	$515.00	
Building	Res Alter/Repair	08/22/2022	PB22-0812	5815 WILLOWBRIDGE RD	$13,214.00	$210.00	
Building	Res New Roof	08/22/2022	PB22-0831	5707 BIG PINE DR	$10,943.00	$155.00	
Building	Res Addition	08/23/2022	PB22-0341	2155 MOELLER AVE	$22,500.00	$970.00	
Building	Res Alter/Repair	08/24/2022	PB22-0840	1540 RUSSELL ST	$5,000.00	$95.00	
Building	Construction/Sales Tr	08/25/2022	PB22-0839	1201 S HURON ST	$3,000.00	$125.00	
Building	Res Windows	08/26/2022	PB21-0381	5985 MEADOWVIEW ST	$8,996.00	$135.00	
Building	Res Windows	08/26/2022	PB21-0398	1251 HAWTHORNE AVE	$22,850.00	$275.00	
Building	Res Windows	08/26/2022	PB21-0399	512 RICE AVE	$25,810.00	$305.00	
Building	Res Misc.	08/26/2022	PB21-1134	6895 MAPLELAWN DR	$21,335.00	$280.00	
Building	Res New Roof	08/26/2022	PB21-1242	9899 MARTZ RD	$11,200.00	$165.00	
Building	Res New Roof	08/26/2022	PB21-1243	167 FAIRHILLS DR	$12,666.00	$175.00	
Building	Res New Roof	08/26/2022	PB21-1244	1475 BORGSTROM AVE	$10,500.00	$155.00	
Building	Res New Roof	08/26/2022	PB21-1291	7361 HOGAN DR	$11,423.00	$165.00	
Building	Res New Roof	08/26/2022	PB21-1292	560 KANSAS AVE	$4,260.00	$95.00	
Building	Res New Roof	08/26/2022	PB21-1293	339 EDISON AVE	$9,620.00	$145.00	
Building	Res New Roof	08/26/2022	PB21-1294	302 N CLUBVIEW DR	$21,091.00	$265.00	
Building	Res New Roof	08/26/2022	PB21-1295	7608 DOVER DR	$8,600.00	$135.00	
Building	Com Roof	08/26/2022	PB21-1323	1885 PACKARD RD	$14,800.00	$195.00	
Building	Res New Roof	08/26/2022	PB22-0225	2401 BURNS AVE	$10,500.00	$170.00	
Building	Res New Roof	08/26/2022	PB22-0253	1400 LEVONA ST	$9,500.00	$145.00	
Building	Res Windows	08/26/2022	PB22-0273	1691 DOROTHY ST	$5,700.00	$105.00	08/31/2022
Building	Res New Roof	08/26/2022	PB22-0567	1124 DESOTO AVE	$6,190.00	$115.00	
Building	Res New Roof	08/31/2022	PB19-0301	555 WHARTON ST	$30,106.00	$355.00	
Building	Res New Roof	08/31/2022	PB20-0755	5449 NEW MEADOW DR	$23,130.00	$315.00	
Building	Res New Roof	08/31/2022	PB21-0002	2300 BURNS AVE	$23,423.00	$285.00	
Electrical	Electrical	08/31/2022	PE22-0409	893 NASH AVE	$0.00	$301.00	
Electrical	Electrical	08/26/2022	PE22-0405	5910 W RAINTREE CT	$0.00	$108.00	
Electrical	Electrical	08/29/2022	PE22-0408	6636 LAKEWAY ST	$0.00	$75.00	
Electrical	Electrical	08/29/2022	PE22-0406	9075 S HURON RIVER DR	$0.00	$179.00	
Electrical	Electrical	08/29/2022	PE22-0407	1400 ANDREA ST	$0.00	$75.00	09/06/2022
Electrical	Electrical	08/29/2022	PE22-0403	1540 RUSSELL ST	$0.00	$178.00	

Electrical	Electrical	08/24/2022	PE22-0401	1152 GAULT DR	$0.00	$75.00	
Electrical	Electrical	08/24/2022	PE22-0400	1475 JAY AVE	$0.00	$75.00	
Electrical	Electrical	08/24/2022	PE22-0402	840 NASH AVE	$0.00	$140.00	
Electrical	Electrical	08/24/2022	PE22-0404	5276 TEXTILE RD	$0.00	$75.00	
Electrical	Electrical	08/23/2022	PE22-0398	6143 S MOHAWK AVE	$0.00	$90.00	
Electrical	Electrical	08/23/2022	PE22-0397	6140 WHITTAKER RD	$0.00	$186.00	
Electrical	Electrical	08/22/2022	PE22-0399	2801 HOLMES	$0.00	$179.00	
Electrical	Electrical	08/19/2022	PE22-0396	2092 WHITTAKER BLDG H	$0.00	$305.00	
Electrical	Electrical	08/19/2022	PE22-0338	1261 REDLEAF LN	$0.00	$75.00	
Electrical	Electrical	08/18/2022	PE22-0387	730 EUGENE ST	$0.00	$295.00	
Electrical	Electrical	08/18/2022	PE22-0395	1658 CONWAY ST	$0.00	$75.00	
Electrical	Electrical	08/18/2022	PE22-0389	1001 RUE DEAUVILLE BLVD	$0.00	$75.00	
Electrical	Electrical	08/16/2022	PE22-0350	840 MAUS AVE	$0.00	$75.00	
Electrical	Electrical	08/17/2022	PE22-0394	7360 COLCHESTER LN	$0.00	$75.00	
Electrical	Electrical	08/17/2022	PE22-0393	1131 HULL AVE	$0.00	$75.00	
Electrical	Electrical	08/16/2022	PE22-0392	9419 MAPLELAWN CT	$0.00	$75.00	08/25/2022
Electrical	Electrical	08/16/2022	PE22-0390	10284 SWAN LAKE CIR	$0.00	$75.00	08/25/2022
Electrical	Electrical	08/16/2022	PE22-0391	10290 SWAN LAKE CIR	$0.00	$75.00	08/25/2022
Electrical	Electrical	08/15/2022	PE22-0388	2915 MONTROSE	$0.00	$75.00	08/18/2022
Electrical	Electrical	08/15/2022	PE22-0384	2919 MONTROSE	$0.00	$90.00	08/18/2022
Electrical	Electrical	08/15/2022	PE22-0380	240 ELDER ST	$0.00	$130.00	
Electrical	Electrical	08/15/2022	PE22-0385	306 EDISON AVE	$0.00	$75.00	09/08/2022
Electrical	Electrical	08/15/2022	PE22-0386	9839 JOAN CIR 71	$0.00	$75.00	09/08/2022
Electrical	Electrical	08/11/2022	PE22-0382	755 JEROME AVE	$0.00	$96.00	
Electrical	Electrical	08/11/2022	PE22-0383	1252 LEXINGTON PKWY	$0.00	$75.00	
Electrical	Electrical	08/12/2022	PE22-0353	215 S WALLACE BLVD	$0.00	$75.00	
Electrical	Electrical	08/11/2022	PE22-0381	1044 ROWLEY CT	$0.00	$75.00	09/01/2022
Electrical	Electrical	08/10/2022	PE22-0379	2285 DRAPER AVE	$0.00	$75.00	08/11/2022
Electrical	Electrical	08/09/2022	PE22-0375	1132 JUNEAU RD	$0.00	$92.00	
Electrical	Electrical	08/09/2022	PE22-0377	1079 GROVE RD	$0.00	$85.00	
Electrical	Electrical	08/09/2022	PE22-0376	1321 ARROYO DR	$0.00	$75.00	
Electrical	Electrical	08/09/2022	PE22-0378	100 FAIRHILLS DR	$0.00	$106.00	
Electrical	Electrical	08/09/2022	PE22-0157	2169 WASHTENAW RD	$0.00	$90.00	08/18/2022
Electrical	Electrical	08/08/2022	PE22-0371	263 KIRK ST	$0.00	$112.00	09/08/2022

Electrical	Electrical	08/04/2022	PE22-0372	8709 INDIGO LN	$0.00	$127.00	
Electrical	Electrical	08/03/2022	PE22-0370	7791 THORNHILL DR	$0.00	$75.00	08/25/2022
Electrical	Electrical	08/03/2022	PE22-0367	1825 PARKWOOD AVE	$0.00	$75.00	
Electrical	Electrical	08/03/2022	PE22-0368	2370 PONDEROSA CT	$0.00	$75.00	
Electrical	Electrical	08/01/2022	PE22-0360	9240 CREEKWAY DR	$0.00	$75.00	08/22/2022
Electrical	Electrical	08/01/2022	PE22-0361	10090 SWAN LAKE CIR	$0.00	$423.00	
Electrical	Electrical	08/01/2022	PE22-0363	10330 SWAN LAKE CIR	$0.00	$423.00	
Electrical	Electrical	08/01/2022	PE22-0362	10082 SWAN LAKE CIR	$0.00	$423.00	
Electrical	Electrical	08/01/2022	PE22-0364	10340 SWAN LAKE CIR	$0.00	$423.00	
Electrical	Electrical	08/02/2022	PE22-0365	7809 DOVER DR	$0.00	$75.00	
Electrical	Electrical	08/02/2022	PE22-0366	1204 WOODGLEN AVE	$0.00	$75.00	
Fire Suppressi	Fire Suppression	08/11/2022	PFS22-0002	660 JAMES L HART PKWY	$0.00	$760.00	
Fire Suppressi	Fire Suppression	08/18/2022	PFS22-0006	2010 WHITTAKER (KROGER)	$0.00	$490.00	
Mechanical	Mechanical	08/18/2022	PM22-0552	1261 REDLEAF LN	$0.00	$75.00	
Mechanical	Mechanical	08/16/2022	PM22-0711	5758 BIG PINE DR	$0.00	$105.00	
Mechanical	Mechanical	08/17/2022	PM22-0717	2169 WASHTENAW RD	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0732	1500 FOLEY AVE	$0.00	$75.00	08/22/2022
Mechanical	Mechanical	08/22/2022	PM22-0736	7414 MEADOW LN	$0.00	$141.00	
Mechanical	Mechanical	08/22/2022	PM22-0721	1401 HARRY ST	$0.00	$105.00	
Mechanical	Mechanical	08/22/2022	PM22-0733	5777 SUNSET TRL	$0.00	$118.00	
Mechanical	Mechanical	08/22/2022	PM22-0735	7283 STREAMWOOD DR	$0.00	$105.00	
Mechanical	Mechanical	08/22/2022	PM22-0738	7360 STREAMWOOD DR	$0.00	$130.00	
Mechanical	Mechanical	08/23/2022	PM22-0667	1211 HULL AVE	$0.00	$75.00	
Mechanical	Mechanical	08/23/2022	PM22-0666	1508 DEVON ST	$0.00	$75.00	
Mechanical	Mechanical	08/23/2022	PM22-0740	95 DEVONSHIRE RD	$0.00	$75.00	
Mechanical	Mechanical	08/23/2022	PM22-0665	2930 ROUNDTREE BLVD	$0.00	$105.00	
Mechanical	Mechanical	08/23/2022	PM22-0618	2930 ROUNDTREE BLVD	$0.00	$75.00	
Mechanical	Mechanical	08/24/2022	PM22-0741	267 S WALLACE BLVD	$0.00	$75.00	
Mechanical	Mechanical	08/22/2022	PM22-0737	2525 EASTLAWN AVE	$0.00	$85.00	
Mechanical	Mechanical	08/23/2022	PM22-0734	824 E GRAND BLVD	$0.00	$75.00	
Mechanical	Mechanical	08/23/2022	PM22-0713	6988 MCKEAN RD # 124	$0.00	$75.00	
Mechanical	Mechanical	08/23/2022	PM22-0729	6988 MCKEAN RD # 193	$0.00	$75.00	
Mechanical	Mechanical	08/24/2022	PM22-0743	1640 S HARRIS RD	$0.00	$115.00	
Mechanical	Mechanical	08/25/2022	PM22-0742	7109 STREAMWOOD DR	$0.00	$150.00	

Mechanical	Mechanical	08/25/2022	PM22-0744	8104 LAKE CREST DR	$0.00	$95.00	
Mechanical	Mechanical	08/31/2022	PM22-0752	10110 SWAN LAKE CIR	$0.00	$228.00	
Mechanical	Mechanical	08/31/2022	PM22-0753	10098 SWAN LAKE CIR	$0.00	$185.00	
Mechanical	Mechanical	08/29/2022	PM22-0739	7854 BERWICK DR	$0.00	$100.00	
Mechanical	Mechanical	08/29/2022	PM22-0745	513 DEXTER AVE	$0.00	$145.00	
Mechanical	Mechanical	08/26/2022	PM22-0748	893 NASH AVE	$0.00	$230.00	
Mechanical	Mechanical	08/26/2022	PM22-0749	8250 HUMMINGBIRD DR	$0.00	$115.00	
Mechanical	Mechanical	08/29/2022	PM22-0750	877 MAPLEWOOD AVE	$0.00	$75.00	
Mechanical	Mechanical	08/29/2022	PM22-0751	6516 ENCHANTED DR	$0.00	$128.00	
Mechanical	Mechanical	08/26/2022	PM22-0746	1263 HAWTHORNE AVE	$0.00	$145.00	
Mechanical	Mechanical	08/31/2022	PM22-0747	910 MAPLEWOOD AVE #2	$0.00	$90.00	
Mechanical	Mechanical	08/31/2022	PM22-0756	2681 INTERNATIONAL DR 15	$0.00	$90.00	09/12/2022
Mechanical	Mechanical	08/31/2022	PM22-0755	2180 HOLMES RD	$0.00	$75.00	
Mechanical	Mechanical	08/31/2022	PM22-0754	148 JEROME AVE	$0.00	$85.00	
Mechanical	Mechanical	08/31/2022	PM22-0631	9413 MAPLELAWN CT	$0.00	$245.00	
Mechanical	Mechanical	08/11/2022	PM22-0566	2429 CARRIAGE CT	$0.00	$75.00	09/08/2022
Mechanical	Mechanical	08/11/2022	PM22-0672	6173 COLUMBIA DR	$0.00	$230.00	
Mechanical	Mechanical	08/10/2022	PM22-0664	2257 GEORGE AVE	$0.00	$148.00	
Mechanical	Mechanical	08/10/2022	PM22-0670	5246 ELLIS RD	$0.00	$125.00	
Mechanical	Mechanical	08/10/2022	PM22-0671	580 E TERRACE LN	$0.00	$105.00	
Mechanical	Mechanical	08/12/2022	PM22-0675	5801 SUNSET TRL	$0.00	$155.00	
Mechanical	Mechanical	08/12/2022	PM22-0677	5397 MICHAEL DR	$0.00	$75.00	
Mechanical	Mechanical	08/12/2022	PM22-0676	7574 BERWICK DR	$0.00	$145.00	
Mechanical	Mechanical	08/11/2022	PM22-0673	755 JEROME AVE	$0.00	$120.00	
Mechanical	Mechanical	08/11/2022	PM22-0674	9640 LANDSDOWNE LN	$0.00	$165.00	
Mechanical	Mechanical	08/15/2022	PM22-0638	721 CLUBHOUSE DR	$0.00	$105.00	09/01/2022
Mechanical	Mechanical	08/12/2022	PM22-0678	1187 SHARE AVE	$0.00	$105.00	
Mechanical	Mechanical	08/15/2022	PM22-0644	7972 FAIRCREST DR	$0.00	$75.00	
Mechanical	Mechanical	08/15/2022	PM22-0684	375 DAKOTA AVE	$0.00	$355.00	
Mechanical	Mechanical	08/15/2022	PM22-0680	927 PARKWOOD AVE	$0.00	$75.00	
Mechanical	Mechanical	08/15/2022	PM22-0679	925 PARKWOOD AVE	$0.00	$90.00	
Mechanical	Mechanical	08/15/2022	PM22-0682	529 DUBIE AVE	$0.00	$90.00	
Mechanical	Mechanical Renewal	08/12/2022	PM22-0605	1035 JANET AVE	$0.00	$75.00	
Mechanical	Mechanical	08/15/2022	PM22-0681	7023 COLCHESTER LN	$0.00	$145.00	

Mechanical	Mechanical	08/15/2022	PM22-0668	10284 SWAN LAKE CIR	$0.00	$228.00	
Mechanical	Mechanical	08/15/2022	PM22-0669	10290 SWAN LAKE CIR	$0.00	$215.00	
Mechanical	Mechanical	08/15/2022	PM22-0683	7228 HOMESTEAD RD	$0.00	$90.00	
Mechanical	Mechanical	08/16/2022	PM22-0706	1253 COMMONWEALTH AV	$0.00	$105.00	
Mechanical	Mechanical	08/16/2022	PM22-0686	9419 MAPLELAWN CT	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0687	10001 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0685	10284 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0688	10007 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0689	10013 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0690	10049 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0691	10055 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0692	10061 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0693	10073 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0696	6841 SWAN LAKE CT	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0697	10110 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0698	10098 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0699	10090 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0700	10082 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0701	10330 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0702	10340 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0703	9416 MAPLELAWN CT	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0704	9413 MAPLELAWN CT	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0694	10109 SWAN LAKE CIR	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0695	6847 SWAN LAKE CT	$0.00	$85.00	
Mechanical	Mechanical	08/16/2022	PM22-0712	2846 ROUNDTREE BLVD	$0.00	$90.00	
Mechanical	Mechanical	08/15/2022	PM22-0705	6988 HITCHINGHAM RD	$0.00	$105.00	
Mechanical	Mechanical	08/16/2022	PM22-0710	7341 GREENFIELD ST	$0.00	$120.00	
Mechanical	Mechanical	08/18/2022	PM22-0731	8691 SPINNAKER WAY C2	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0730	2611 INTERNATIONAL DR 13	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0728	5070 BOSUNS WAY C4	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0727	8699 SPINNAKER WAY C4	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0726	2970 INTERNATIONAL DR 10	$0.00	$75.00	09/12/2022
Mechanical	Mechanical	08/18/2022	PM22-0725	2907 ROUNDTREE BLVD B1	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0724	2680 INTERNATIONAL DR 80	$0.00	$75.00	09/12/2022

Mechanical	Mechanical	08/18/2022	PM22-0723	2750 INTERNATIONAL DR 6(	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0718	1754 MEADOW WOODS BL\	$0.00	$95.00	
Mechanical	Mechanical	08/18/2022	PM22-0719	1868 MEADOW WOODS BL\	$0.00	$95.00	
Mechanical	Mechanical	08/18/2022	PM22-0720	9416 MAPLELAWN CT	$0.00	$273.00	
Mechanical	Mechanical	08/18/2022	PM22-0722	5718 BIG PINE DR	$0.00	$155.00	09/08/2022
Mechanical	Mechanical	08/18/2022	PM22-0714	6636 E SUMMERDALE CIR	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0715	1236 JONES ST	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0716	5728 NEW MEADOW DR	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0709	1028 BUICK AVE	$0.00	$75.00	
Mechanical	Mechanical	08/18/2022	PM22-0708	7669 HENLEY DR	$0.00	$178.00	09/12/2022
Mechanical	Mechanical	08/18/2022	PM22-0707	1001 RUE DEAUVILLE BLVD	$0.00	$75.00	
Mechanical	Mechanical	08/02/2022	PM22-0626	272 TAFT AVE	$0.00	$118.00	
Mechanical	Mechanical	08/02/2022	PM22-0633	2830 INTERNATIONAL DR 41	$0.00	$75.00	09/12/2022
Mechanical	Mechanical	08/02/2022	PM22-0634	2907 ROUNDTREE BLVD A2	$0.00	$75.00	
Mechanical	Mechanical	08/02/2022	PM22-0636	3051 ROUNDTREE BLVD A2	$0.00	$75.00	
Mechanical	Mechanical	08/02/2022	PM22-0635	3043 ROUNDTREE BLVD B2	$0.00	$75.00	
Mechanical	Mechanical	08/02/2022	PM22-0637	5094 BOSUNS WAY A1	$0.00	$75.00	
Mechanical	Mechanical	08/02/2022	PM22-0525	2914 SOUTHLAWN ST	$0.00	$140.00	
Mechanical	Mechanical	08/03/2022	PM22-0632	1825 PARKWOOD AVE	$0.00	$215.00	09/01/2022
Mechanical	Mechanical	08/01/2022	PM22-0625	5050 BOSUNS WAY A4	$0.00	$75.00	
Mechanical	Mechanical	08/01/2022	PM22-0624	348 OHIO ST	$0.00	$75.00	
Mechanical	Mechanical	08/01/2022	PM22-0619	1266 LEFORGE RD	$0.00	$75.00	
Mechanical	Mechanical	08/01/2022	PM22-0620	2383 PONDEROSA CT	$0.00	$115.00	
Mechanical	Mechanical	08/01/2022	PM22-0622	493 N HEWITT RD	$0.00	$75.00	08/06/2022
Mechanical	Mechanical	08/01/2022	PM22-0623	7791 THORNHILL DR	$0.00	$48.25	
Mechanical	Mechanical	08/01/2022	PM22-0609	8047 SPRINGWATER DR	$0.00	$85.00	
Mechanical	Mechanical	08/03/2022	PM22-0629	1284 HOLMES RD 8	$0.00	$75.00	
Mechanical	Mechanical	08/03/2022	PM22-0628	1302 HOLMES RD 3	$0.00	$90.00	
Mechanical	Mechanical	08/03/2022	PM22-0630	1260 HOLMES RD 3	$0.00	$75.00	
Mechanical	Mechanical	08/03/2022	PM22-0621	1018 BUICK AVE	$0.00	$75.00	
Mechanical	Mechanical	08/03/2022	PM22-0641	7791 THORNHILL DR	$0.00	$105.00	
Mechanical	Mechanical	08/04/2022	PM22-0642	7360 COLCHESTER LN	$0.00	$95.00	
Mechanical	Mechanical	08/04/2022	PM22-0640	8790 TRILLIUM DR	$0.00	$75.00	
Mechanical	Mechanical	08/04/2022	PM22-0639	6424 WHITTAKER RD	$0.00	$118.00	

Mechanical	Mechanical	08/04/2022	PM22-0643	2694 WOODRUFF LN	$0.00	$145.00	
Mechanical	Mechanical	08/04/2022	PM22-0606	2340 MCKINLEY AVE	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0650	206 S HARRIS RD	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0648	6122 CHERRYWOOD DR	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0651	641 BAGLEY AVE	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0652	610 KENNEDY AVE	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0649	99 RUSSELL BLVD LAUNDRY	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0647	191 RUSSELL CT	$0.00	$75.00	
Mechanical	Mechanical	08/04/2022	PM22-0645	7055 POPLAR DR	$0.00	$75.00	
Mechanical	Mechanical	08/08/2022	PM22-0661	1252 LEXINGTON PKWY	$0.00	$135.00	
Mechanical	Mechanical	08/08/2022	PM22-0646	1592 MOLLIE ST	$0.00	$165.00	
Mechanical	Mechanical	08/08/2022	PM22-0654	5491 TUTTLE HILL RD	$0.00	$140.00	
Mechanical	Mechanical	08/08/2022	PM22-0653	7396 DOVER DR	$0.00	$118.00	
Mechanical	Mechanical	08/09/2022	PM22-0655	896 HAWTHORNE AVE	$0.00	$85.00	
Mechanical	Mechanical	08/09/2022	PM22-0656	400 E CLARK RD	$0.00	$105.00	
Mechanical	Mechanical	08/09/2022	PM22-0657	1655 VICTOR ST	$0.00	$75.00	
Mechanical	Mechanical	08/09/2022	PM22-0662	1321 ARROYO DR	$0.00	$115.00	
Mechanical	Mechanical	08/08/2022	PM22-0658	7231 OAKRIDGE DR	$0.00	$105.00	
Mechanical	Mechanical	08/08/2022	PM22-0659	7865 COLLIN CT	$0.00	$115.00	
Mechanical	Mechanical	08/08/2022	PM22-0660	1405 GATTEGNO ST	$0.00	$105.00	
Mechanical	Mechanical	08/09/2022	PM22-0663	1079 GROVE RD	$0.00	$120.00	
Plumbing	Plumbing	08/05/2022	PP22-0331	1145 EVELYN AVE	$0.00	$75.00	08/11/2022
Plumbing	Plumbing	08/04/2022	PP22-0330	8709 INDIGO LN	$0.00	$90.00	
Plumbing	Plumbing	08/03/2022	PP22-0315	52 COLONY CT	$0.00	$90.00	
Plumbing	Plumbing	08/01/2022	PP22-0324	1263 FALL RIVER RD	$0.00	$75.00	08/01/2022
Plumbing	Plumbing	08/02/2022	PP22-0328	1976 MARY CATHERINE ST	$0.00	$75.00	
Plumbing	Plumbing	08/02/2022	PP22-0329	1104 PARKWOOD AVE	$0.00	$75.00	
Plumbing	Plumbing	08/03/2022	PP22-0327	1985 MIDVALE ST	$0.00	$75.00	
Plumbing	Plumbing	08/02/2022	PP22-0325	2010 CHEVROLET AVE	$0.00	$135.00	
Plumbing	Plumbing	08/16/2022	PP22-0356	9413 MAPLELAWN CT	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0355	9416 MAPLELAWN CT	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0357	89 GREENSIDE ST	$0.00	$75.00	08/17/2022
Plumbing	Plumbing	08/16/2022	PP22-0339	10001 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0354	10340 SWAN LAKE CIR	$0.00	$276.00	

Plumbing	Plumbing	08/16/2022	PP22-0353	10330 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0352	10082 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0350	10098 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0351	10090 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0349	10110 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0348	6841 SWAN LAKE CT	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0347	6847 SWAN LAKE CT	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0343	10055 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0344	10061 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0345	10073 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0346	10109 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0340	10007 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0341	10013 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/16/2022	PP22-0342	10049 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/15/2022	PP22-0338	10284 SWAN LAKE CIR	$0.00	$276.00	
Plumbing	Plumbing	08/15/2022	PP22-0337	9419 MAPLELAWN CT	$0.00	$276.00	
Plumbing	Plumbing	08/12/2022	PP22-0335	750 WOOD CREEK CT	$0.00	$90.00	
Plumbing	Plumbing	08/15/2022	PP22-0336	7849 WHITTAKER RD	$0.00	$75.00	
Plumbing	Plumbing	08/15/2022	PP22-0334	5765 NEW MEADOW DR	$0.00	$75.00	
Plumbing	Plumbing	08/12/2022	PP22-0314	215 S WALLACE BLVD	$0.00	$75.00	
Plumbing	Plumbing	08/10/2022	PP22-0322	1345 DELAWARE AVE	$0.00	$75.00	
Plumbing	Plumbing	08/10/2022	PP22-0323	264 DAKOTA AVE	$0.00	$75.00	
Plumbing	Plumbing	08/10/2022	PP22-0332	1627 GROVE RD	$0.00	$75.00	
Plumbing	Plumbing	08/11/2022	PP22-0333	804 CLIFFS DR 106F	$0.00	$75.00	08/18/2022
Plumbing	Plumbing	08/30/2022	PP22-0372	272 N HEWITT RD	$0.00	$75.00	
Plumbing	Plumbing	08/31/2022	PP22-0364	267 S WALLACE BLVD	$0.00	$472.00	
Plumbing	Plumbing	08/31/2022	PP22-0370	8590 SPINNAKER WAY	$0.00	$75.00	
Plumbing	Plumbing	08/31/2022	PP22-0371	8891 LILLY DR	$0.00	$75.00	
Plumbing	Plumbing	08/31/2022	PP22-0369	222 S FORD BLVD	$0.00	$75.00	
Plumbing	Plumbing	08/31/2022	PP22-0374	5218 SCHOONER COVE BLVI	$0.00	$75.00	
Plumbing	Plumbing	08/31/2022	PP22-0373	1152 WENDELL AVE	$0.00	$75.00	09/01/2022
Plumbing	Plumbing	08/31/2022	PP22-0375	1825 PARKWOOD AVE	$0.00	$272.00	09/08/2022
Plumbing	Plumbing	08/29/2022	PP22-0368	480 BERKLEY ST	$0.00	$118.00	
Plumbing	Plumbing	08/31/2022	PP22-0365	328 EDISON AVE	$0.00	$75.00	

Plumbing	Plumbing	08/25/2022	PP22-0366	407 CAMPBELL AVE	$0.00	$75.00	
Plumbing	Plumbing	08/23/2022	PP22-0359	6988 MCKEAN RD # 193	$0.00	$75.00	
Plumbing	Plumbing	08/23/2022	PP22-0358	6988 MCKEAN RD # 124	$0.00	$75.00	
Plumbing	Plumbing	08/22/2022	PP22-0362	2555 STATE ST	$0.00	$376.00	
Plumbing	Plumbing	08/19/2022	PP22-0360	1284 RUE DEAUVILLE BLVD	$0.00	$75.00	
Plumbing	Plumbing	08/19/2022	PP22-0361	2626 AMBASSADOR DR	$0.00	$75.00	
Plumbing-Wa	Plumbing	08/22/2022	PP22-0363	564 PINEWOOD ST	$0.00	$75.00	08/25/2022
Res - Deck	Res Deck	08/23/2022	PB22-0815	2309 GROVE RD	$1,600.00	$100.00	
Res - Deck	Res Deck	08/22/2022	PB22-0822	9434 MAPLELAWN CT	$19,000.00	$260.00	
Res - Deck	Res Deck	08/29/2022	PB22-0704	9571 WHITE TAIL DR	$18,000.00	$250.00	
Res - Deck	Res Deck	08/31/2022	PB22-0662	9155 ARLINGTON CT	$21,057.00	$290.00	09/09/2022
Res - Deck	Res Deck	08/15/2022	PB22-0434	10022 SWAN LAKE CIR	$1.00	$210.00	
Res - Deck	Res Deck	08/15/2022	PB22-0673	9592 NATURE VIEW LN	$14,830.00	$235.00	
Res - Deck	Res Deck	08/02/2022	PB22-0677	9444 WHITE TAIL DR	$9,000.00	$210.00	
Res - Deck	Res Deck	08/02/2022	PB22-0676	8138 STARLING CT	$12,000.00	$190.00	
Res - Egress W	Res - Egress Window	08/01/2022	PB22-0483	107 GOLFVIEW DR	$4,700.00	$120.00	
Res - Egress W	Res - Egress Window	08/01/2022	PB22-0480	309 GLENWOOD AVE	$4,900.00	$135.00	
Res - Mobile H	Res - Mobile Home	08/02/2022	PB22-0574	3070 PRESCOTT	$0.00	$100.00	
Res - Mobile H	Res - Mobile Home	08/04/2022	PB22-0577	2919 MONTROSE	$0.00	$100.00	
Res - Mobile H	Res - Mobile Home	08/09/2022	PB22-0573	3076 PRESCOTT	$0.00	$100.00	
Res - Mobile H	Res - Mobile Home	08/22/2022	PB22-0817	6988 MCKEAN RD # 124	$0.00	$150.00	
Res - Mobile H	Res - Mobile Home	08/22/2022	PB22-0823	6988 MCKEAN RD # 193	$0.00	$150.00	
Res - New Cor	Res - New Constructio	08/18/2022	PB22-0702	267 S WALLACE BLVD	$150,000.00	$1,727.50	
Res - New Cor	Res - New Constructio	08/26/2022	PB21-1128	10075 MARTZ RD	$318,580.00	$3,285.00	
Res - Roof	Res - Roof	08/26/2022	PB22-0816	1352 DAVIS ST	$4,500.00	$95.00	09/08/2022
Res - Roof	Res - Roof	08/26/2022	PB22-0843	7314 KNOLLWOOD DR	$10,185.00	$155.00	09/12/2022
Res - Roof	Res - Roof	08/26/2022	PB21-0232	7200 S Huron River-Inspectc	$6,000.00	$0.00	
Res - Roof	Res - Roof	08/26/2022	PB22-0844	8835 TRILLIUM DR	$9,826.00	$145.00	
Res - Roof	Res - Roof	08/26/2022	PB22-0845	2062 MCKINLEY AVE	$7,414.00	$125.00	
Res - Roof	Res - Roof	08/19/2022	PB22-0826	551 OAKLAWN AVE	$14,930.00	$195.00	
Res - Roof	Res - Roof	08/22/2022	PB22-0832	5718 MEADOWVIEW ST	$18,446.00	$235.00	
Res - Roof	Res - Roof	08/23/2022	PB22-0833	7936 BRIARBROOK DR	$14,585.00	$195.00	
Res - Roof	Res - Roof	08/24/2022	PB22-0838	8692 LILLY DR	$13,138.00	$185.00	09/12/2022
Res - Roof	Res - Roof	08/25/2022	PB22-0835	1028 ZEPHYR ST	$7,500.00	$140.00	

Res - Roof	Res - Roof	08/26/2022	PB21-0282	1336 CRESTWOOD AVE	$6,245.00	$115.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0316	7183 FIELDING ST	$8,050.00	$135.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0318	7935 BREEZEWOOD CT	$7,900.00	$125.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0319	7635 KENSINGTON DR	$7,215.00	$125.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0321	7877 BERWICK DR	$7,692.00	$125.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0325	5981 BIG PINE DR	$5,000.00	$110.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0333	5843 BIG PINE DR	$8,117.00	$135.00	
Res - Roof	Res - Roof	08/26/2022	PB21-0351	502 ROSEDALE RD	$9,200.00	$145.00	
Res - Roof	Res - Roof	08/31/2022	PB22-0856	6540 STONY CREEK RD	$11,850.00	$165.00	
Res - Roof	Res - Roof	08/31/2022	PB22-0857	1300 REDLEAF LN	$9,774.00	$145.00	
Res - Roof	Res - Roof	08/31/2022	PB22-0854	8859 LAKEWAY CT	$16,138.00	$215.00	
Res - Roof	Res - Roof	08/31/2022	PB22-0836	507 DESOTO AVE	$17,516.00	$225.00	
Res - Roof	Res - Roof	08/10/2022	PB22-0801	7424 NATALIE DR	$9,232.00	$145.00	09/02/2022
Res - Roof	Res - Roof	08/10/2022	PB22-0802	9361 S HURON RIVER DR	$5,000.00	$95.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0743	2641 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0723	2654 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0724	2660 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0725	2666 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0726	2672 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0727	2682 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0728	2690 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0729	2698 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0730	2706 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0731	2675 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0732	2699 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0733	2691 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0734	2683 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0711	2663 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0713	2671 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0714	2677 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0715	2685 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0716	2693 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0717	2701 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0718	2709 BROOKLYN DR	$32,000.00	$125.00	

Res - Roof	Res - Roof	08/11/2022	PB22-0719	2717 BROOKLYN DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0737	2618 AMBASSADOR DR	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0738	2626 AMBASSADOR DR	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0739	2634 AMBASSADOR DR	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0735	2649 AMBASSADOR DR	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0736	2657 AMBASSADOR DR	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0720	2733 BROOKLYN DR	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0721	2741 BROOKLYN DR	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0740	2617 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0741	2625 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0742	2633 AMBASSADOR DR	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/04/2022	PB22-0678	6797 TEXTILE RD	$8,594.00	$135.00	08/18/2022
Res - Roof	Res - Roof	08/02/2022	PB22-0685	7039 HOGAN DR	$11,470.00	$165.00	08/22/2022
Res - Roof	Res - Roof	08/02/2022	PB22-0686	5837 WILLOWBRIDGE RD	$10,332.00	$155.00	09/07/2022
Res - Roof	Res - Roof	08/02/2022	PB22-0689	5820 SUNSET TRL	$8,600.00	$135.00	08/22/2022
Res - Roof	Res - Roof	08/01/2022	PB22-0674	1997 CHEVROLET AVE	$12,925.00	$175.00	
Res - Roof	Res - Roof	08/01/2022	PB22-0675	422 BROOKSIDE ST	$19,360.00	$245.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0808	247 N MANSFIELD ST	$28,254.00	$335.00	
Res - Roof	Res - Roof	08/11/2022	PB22-0806	8880 TRILLIUM DR	$8,357.00	$135.00	09/02/2022
Res - Roof	Res - Roof	08/11/2022	PB22-0805	8709 TRILLIUM DR	$10,645.00	$155.00	08/19/2022
Res - Roof	Res - Roof	08/09/2022	PB22-0710	6123 LAKE DR 351	$10,282.00	$155.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0758	2724 BLUEWATER ST	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0767	2684 BLUEWATER ST	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0759	2732 BLUEWATER ST	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0760	2740 BLUEWATER ST	$32,000.00	$155.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0790	2747 BLUEWATER ST	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0791	2755 BLUEWATER ST	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0744	2772 AMBASSADOR DR	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0745	2778 AMBASSADOR DR	$32,000.00	$205.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0764	2716 BLUEWATER ST	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0746	2318 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0748	2310 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0749	2302 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0751	2292 WOODALE AVE	$32,000.00	$125.00	

Res - Roof	Res - Roof	08/12/2022	PB22-0754	2256 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0755	2262 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0756	2268 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/12/2022	PB22-0757	2274 WOODALE AVE	$32,000.00	$125.00	
Res - Roof	Res - Roof	08/17/2022	PB22-0814	1414 DELAWARE AVE	$5,390.00	$105.00	
Res - Roof	Res - Roof	08/17/2022	PB22-0474	8001 PEBBLESTONE DR	$6,750.00	$115.00	09/07/2022
Res - Roof	Res - Roof	08/17/2022	PB22-0818	1203 SHARE AVE	$8,370.00	$135.00	08/29/2022
Res - Roof	Res - Roof	08/18/2022	PB22-0820	1119 GEORGINA DR	$9,000.00	$135.00	
Res - Roof	Res - Roof	08/18/2022	PB22-0824	281 WILSON ST	$20,500.00	$255.00	
Res - Window	Res - Windows	08/17/2022	PB22-0819	5801 SUNSET TRL	$4,237.00	$95.00	
Res - Window	Res - Windows	08/17/2022	PB22-0821	7809 DOVER DR	$7,821.00	$125.00	
Res - Window	Res - Windows	08/10/2022	PB22-0796	2367 BRIARDALE CT	$9,525.00	$145.00	
Res - Window	Res - Windows	08/12/2022	PB22-0637	1390 GATTEGNO ST	$18,987.00	$235.00	
Res - Window	Res - Windows	08/15/2022	PB22-0794	1300 MCCARTHY CT	$3,892.00	$85.00	
Res - Window	Res - Windows	08/01/2022	PB22-0195	1325 JEFFERY ST	$1,566.00	$125.00	
Res - Window	Res - Windows	08/02/2022	PB22-0086	9139 ARLINGTON CT	$8,714.00	$135.00	08/02/2022
Res - Window	Res - Windows	08/09/2022	PB22-0799	1234 E FOREST AVE	$1,350.00	$75.00	
Res - Window	Res - Windows	08/09/2022	PB22-0795	360 FIRWOOD ST	$14,198.00	$195.00	
Res - Window	Res - Windows	08/09/2022	PB22-0722	1322 GEORGINA DR	$1,290.00	$75.00	
Res - Window	Res - Windows	08/08/2022	PB22-0709	6009 S MOHAWK AVE	$3,143.00	$85.00	
Res - Window	Res - Windows	08/26/2022	PB21-0292	2059 HOLMES RD	$0.00	$335.00	
Res - Window	Res - Windows	08/24/2022	PB22-0827	7642 HENLEY DR	$25,613.00	$305.00	
Res - Window	Res - Windows	08/19/2022	PB22-0653	3052 ROUNDTREE BLVD	$8,144.00	$52.50	
Res - Window	Res - Windows	08/26/2022	PB22-0707	2149 BURNS AVE	$1,600.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0621	7306 MERIDIAN DR	$3,475.00	$85.00	
Res - Window	Res - Windows	08/26/2022	PB22-0622	1332 ANDREA ST	$3,193.00	$85.00	
Res - Window	Res - Windows	08/26/2022	PB22-0636	8124 THORNHILL DR	$16,289.00	$215.00	
Res - Window	Res - Windows	08/26/2022	PB22-0679	249 KANSAS AVE	$1,466.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0797	7047 RACHEL DR	$11,500.00	$165.00	
Res - Window	Res - Windows	08/26/2022	PB22-0810	5956 E ISLAND DR	$5,250.00	$105.00	
Res - Window	Res - Windows	08/26/2022	PB22-0834	1660 CLIFFS LNDG 102 E	$1,768.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0800	5234 APPLEWOOD DR	$3,948.00	$85.00	
Res - Window	Res - Windows	08/26/2022	PB22-0292	5855 CARY DR	$21,445.00	$265.00	
Res - Window	Res - Windows	08/26/2022	PB22-0404	7326 WILLOW CREEK DR	$2,800.00	$75.00	08/30/2022

Res - Window	Res - Windows	08/26/2022	PB22-0405	9661 HARBOUR COVE CT	$2,666.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0411	7835 BUNTON RD	$14,338.00	$195.00	
Res - Window	Res - Windows	08/26/2022	PB22-0444	6142 COLONY PARK DR	$13,750.00	$185.00	
Res - Window	Res - Windows	08/26/2022	PB22-0497	1429 RIDGE RD	$5,017.00	$105.00	
Res - Window	Res - Windows	08/26/2022	PB22-0498	7244 CYPRESS POINTE DR	$3,500.00	$85.00	
Res - Window	Res - Windows	08/26/2022	PB22-0500	141 EDISON AVE	$6,183.00	$115.00	
Res - Window	Res - Windows	08/26/2022	PB22-0501	970 N RIVER ST	$1,440.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0502	7338 WILLOW CREEK DR	$8,310.00	$135.00	
Res - Window	Res - Windows	08/26/2022	PB22-0504	7138 BELLE MEADE CT	$8,700.00	$135.00	
Res - Window	Res - Windows	08/26/2022	PB22-0505	615 NASH AVE	$1,412.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0536	7418 HOGAN DR	$2,169.00	$75.00	
Res - Window	Res - Windows	08/26/2022	PB22-0021	7200 S Huron River-Inspectc	$0.00	$0.00	
Res - Window	Res - Windows	08/26/2022	PB22-0119	1590 WISMER ST	$4,400.00	$95.00	
Res - Window	Res - Windows	08/26/2022	PB22-0167	1684 CONWAY ST	$7,111.00	$125.00	
Sign	Com Sign	08/09/2022	PS22-0010	2169 WASHTENAW RD	$0.00	$90.00	08/19/2022
Zoning	Zoning - Patio	08/08/2022	PZP22-0104	630 MONTREAL AVE	$0.00	$50.00	
Zoning	Zoning - Multiple	08/08/2022	PZP22-0096	2334 RAVINEWOOD AVE	$0.00	$50.00	
Zoning	Zoning - Fence	08/09/2022	PZP22-0105	7380 E BROOK DR	$0.00	$50.00	
Zoning	Zoning - Fence	08/09/2022	PZP22-0106	6134 MAPLEVIEW LN	$0.00	$50.00	
Zoning	Zoning - Driveway	08/09/2022	PZP22-0088	1435 BLOSSOM AVE	$0.00	$50.00	
Zoning	Zoning - Fence	08/01/2022	PZP22-0097	7737 HENLEY DR	$0.00	$50.00	
Zoning	Zoning - Fence	08/01/2022	PZP22-0102	1451 GLENGROVE AVE	$0.00	$50.00	
Zoning	Zoning - Fence	08/08/2022	PZP22-0091	330 N CLUBVIEW DR	$0.00	$50.00	
Zoning	Zoning - Fence	08/05/2022	PZP22-0094	660 N MIAMI AVE	$0.00	$50.00	
Zoning	Zoning - Fence	08/04/2022	PZP22-0101	9247 PARKLAND DR	$0.00	$50.00	
Zoning	Zoning - Fence	08/15/2022	PZP22-0108	1589 PHYLLIS ST	$0.00	$50.00	
Zoning	Zoning - Shed	08/09/2022	PZP22-0107	9385 PARKLAND DR	$0.00	$50.00	
Zoning	Zoning - Shed	08/17/2022	PZP22-0111	7977 RAINTREE DR	$0.00	$50.00	
Zoning	Zoning - Fence	08/29/2022	PZP22-0117	971 CENTENNIAL AVE	$0.00	$50.00	
Zoning	Zoning - Fence	08/29/2022	PZP22-0103	6160 ASPEN WAY	$0.00	$50.00	
Zoning	Zoning - Patio	08/29/2022	PZP22-0116	7368 E BROOK DR	$0.00	$50.00	
Zoning	Zoning - Fence	08/30/2022	PZP22-0118	3120 ELLSWORTH RD	$0.00	$50.00	
Zoning	Zoning - Fence	08/18/2022	PZP22-0093	1192 WOODGLEN AVE	$0.00	$50.00	
Zoning	Zoning - Fence	08/18/2022	PZP22-0109	8535 TEXTILE RD	$0.00	$50.00	

Zoning	Zoning - Fence	08/22/2022	PZP22-0113	6600 MAPLELAWN DR	$0.00	$50.00
Zoning	Zoning - Fence	08/22/2022	PZP22-0112	1792 SMITH ST	$0.00	$50.00
Zoning	Zoning - Fence	08/24/2022	PZP22-0115	5691 BIG PINE DR	$0.00	$50.00
Zoning	Zoning - Fence	08/24/2022	PZP22-0114	5683 BIG PINE DR	$0.00	$50.00
Zoning	Zoning - Fence	08/23/2022	PZP22-0046	2155 MOELLER AVE	$0.00	$50.00
Zoning	Zoning - Fence	08/31/2022	PZP22-0120	7457 STREAMWOOD DR	$0.00	$50.00
Zoning	Zoning - Fence	08/31/2022	PZP22-0119	7326 WILLOW CREEK DR	$0.00	$50.00
					$4,222,464.00	**$79,193.25**

BUILDING CERTIFICATES OF OCCUPANCY ISSUED - AUGUEST 2022

C O Number	Address Display String	Status	Date Finaled
OF22-0058	9431 MAPLELAWN CT	ISSUED (FINAL)	08/03/2022
OF22-0059	6613 MAPLELAWN DR	ISSUED (FINAL)	08/04/2022
OF22-0060	6774 WHITTAKER RD	ISSUED (FINAL)	08/03/2022
OF22-0061	9732 WHITE TAIL DR	ISSUED (FINAL)	08/05/2022
OF22-0062	6709 MAPLELAWN DR	ISSUED (FINAL)	08/03/2022
OF22-0063	6715 MAPLELAWN DR	ISSUED (FINAL)	08/03/2022
OF22-0064	6721 MAPLELAWN DR	ISSUED (FINAL)	08/03/2022
OF22-0065	10126 SWAN LAKE CIR	ISSUED (FINAL)	08/09/2022
OF22-0066	6703 MAPLELAWN DR	ISSUED (FINAL)	08/04/2022
OF22-0067	6722 MAPLELAWN DR	ISSUED (FINAL)	08/04/2022
OF22-0068	3127 SOUTHLAWN ST	ISSUED (FINAL)	08/08/2022
OF22-0069	10118 SWAN LAKE CIR	ISSUED (FINAL)	08/11/2022
OF22-0070	10318 SWAN LAKE CIR	ISSUED (FINAL)	08/09/2022
OF22-0071	10324 SWAN LAKE CIR	ISSUED (FINAL)	08/09/2022
OF22-0072	9425 MAPLELAWN CT	ISSUED (FINAL)	08/15/2022
OF22-0073	10123 SWAN LAKE CIR	ISSUED (FINAL)	08/11/2022
OF22-0074	9915 GERALDINE ST 194	ISSUED (FINAL)	08/10/2022
OF22-0075	10022 SWAN LAKE CIR	ISSUED (FINAL)	08/11/2022
OF22-0076	9570 WHITE TAIL DR	ISSUED (FINAL)	08/10/2022
OF22-0077	10293 SWAN LAKE CIR	ISSUED (FINAL)	08/11/2022
OF22-0078	10281 SWAN LAKE CIR	ISSUED (FINAL)	08/11/2022
OF22-0079	6023 HURON RIVER LN	ISSUED (FINAL)	08/11/2022
OF22-0080	6030 HURON RIVER LN	ISSUED (FINAL)	08/11/2022
OF22-0081	9544 NATURE VIEW LN	ISSUED (FINAL)	08/11/2022
OF22-0082	6019 RAVINE CT	ISSUED (FINAL)	08/11/2022
OF22-0083	860 TWIN TOWERS ST	ISSUED (FINAL)	08/17/2022
OT22-0024	5507 MERRITT RD	ISSUED (TEMP)	08/25/2022

CHARTER TOWNSHIP OF YPSILANTI

OFFICE OF COMMUNITY STANDARDS

Building Safety • Planning & Zoning • Ordinance Enforcement

September 13, 2022

Re: Planning Division (OCS) August 2022 activity summary

Please be advised of the following activities related to the Planning Department for August, 2022.

Zoning verification letters issued	3
Building and zoning permit applications reviewed	50
Business registration applications reviewed	3 (some applications still pending)

Zoning Board of Appeals: The August 3 ZBA meeting was cancelled due to a lack of agenda.

At the September 7 public hearing the following items were considered:

a) ZBA 2022-0006
   Applicant: LynxDx, Inc. – Steven Riggs
   Location: 2515 Ellsworth Rd, Ypsilanti MI 48198
   Parcel ID: K-11-18-100-013
   Request: Request for an extension to a temporary use approved by the Zoning Board of Appeals on March 2, 2022 to allow for a temporary outdoor Covid-19 testing drive-thru clinic per Section 1704.4.B. of the township zoning ordinance

b) ZBA 2022-0007
   Applicant: Josh Angle
   Location: 1435 Blossom
   Parcel ID: K-11-01-236-053
   Request: Request to permit a six-foot tall privacy fence in the required front yard along Wiard Road (maximum four-foot tall ornamental fence permitted, Section 1305.2).

Planning Commission: At the August 9 Planning Commission meeting, the following items were considered:

A. Paint Creek Crossing - Planned Development – 1816-2130 Whittaker Road (Parcels K-11-21-200-041, K-11-21-200-040, K-11-21,200-039, K-11-21-200-038, K-11-21-200-035, K-11-21-200-034) to consider a revision to the approved site plan for the purpose of changing the landscaping

MOTION: Ms. El-Assadi **MOVED** to approve the landscaping revision to the approved site plan for a special site zone PD Plan development located at 1816-2130 Whittaker Road (PARCELS K-11-21-200-041, K-11-21-200-040, K-11-21,200-039, K-11-21-200-038, K-11-21-200-035, K-11-21-200-034) also known as Paint Creek Crossing with the following conditions:

1. The applicant shall meet with the planning department to go over the recommendation of Carlisle Wortman.
2. To replace the roses with more hardy species.
3. Possibly replace the Bradford pears with other alternatives.
4. The placement of the trees at 120 as proposed by the applicant and include a few more along the length of Whittaker Road at 80-foot replacement as negotiated with the planning department and short enough to the power lines.

The **MOTION** was **SECONDED** by Mr. Tawakkul.

Roll Call Vote: Mr. Tawakkul (Yes), Mr. Doe (Yes), Ms. Peterson (Yes), Mr. Sinkule (Yes), Ms. El-Assadi (Yes). **MOTION PASSED**.

B. Election of Planning Commission officers

MOTION: Mr. Tawakkul **MOVED** to approve Chairman for the Planning Commision: Bill Sinkule, Vice- Chairman: Elizabeth El-Assadi and Secretary: Larry Doe. The **MOTION** was **SECONDED** by Ms. Peterson.

Roll Call Vote: Mr. Tawakkul (Yes), Mr. Doe (Yes), Ms. Peterson (Yes), Mr. Sinkule (Yes), Ms. El-Assadi (Yes). **MOTION PASSED**.

C. 2021 Planning Commission report to the Board of Trustees – to consider submitting to the Township Board of Trustees a 2021 Planning Commission report pursuant to Section 125.3819 of the Michigan Planning Enabling Act PC 33 of 2008

MOTION: Ms. El-Assadi **MOVED** to approve recommendation of the planning commission report to the township board. The **MOTION** was **SECONDED** by Ms. Peterson.

Roll Call Vote: Mr. Tawakkul (Yes), Mr. Doe (Yes), Ms. Peterson (Yes), Mr. Sinkule (Yes), Ms. El-Assadi (Yes). **MOTION PASSED**.

The September 13 Planning Commission was cancelled due to lack of agenda.

At the September 27 Planning Commission meeting the following items will be considered:

PUBLIC HEARINGS

A. **HEWITT PROPERTY LLC - 617 SOUTH HEWITT ROAD (K-11-39-252-007)** TO CONSIDER A SPECIAL CONDITIONAL USE PERMIT TO CONSTRUCT A VEHICLE FUELING STATION (PER SECTION 420 OF THE TOWNSHIP ZONING ORDINANCE) AT 617 SOUTH HEWITT ROAD

B. **ROUND HAUS PARTY SHOPPE – 5970 BRIDGE ROAD (K-11-24-300-014)** TO CONSIDER A SPECIAL CONDITIONAL USE PERMIT TO CONSTRUCT A VEHICLE FUELING STATION (PER SECTION 420 OF THE TOWNSHIP ZONING ORDINANCE) AT 5970 BRIDGE ROAD

NEW BUSINESS

A. CIRCULAR INVESTMENT – 924 MINION STREET (K-11-10-280-016) –TO CONSIDER A FULL SITE PLAN TO EXPAND AN EXISTING PARKING LOT IN ORDER TO OVERNIGHT PARK UP TO NINE DUMP TRUCKS AND 27 DOUBLE TRAILER SEMI-TRUCKS AT 924 MINION STREET

D. **HEWITT PROPERTY LLC - 617 SOUTH HEWITT ROAD (K-11-39-252-007)** –TO CONSIDER A FULL SITE PLAN TO CONSTRUCT A VEHICLE FUELING STATION WITH A 3,600 SQUARE FOOT CONVENIENCE STORE AND FAST FOOD CARRY OUT AT 617 SOUTH HEWITT ROAD

E. **ROUND HAUS PARTY SHOPPE – 5970 BRIDGE ROAD (K-11-24-300-014)** TO CONSIDER A FULL SITE PLAN TO CONSTRUCT A VEHICLE FUELING STATION AND 6,000 SQUARE FOOT PARTY SHOP AT 5970 BRIDGE ROAD

WASHTENAW COUNTY
OFFICE OF THE SHERIFF

2201 Hogback Road ◆ Ann Arbor, Michigan 48105-9732 ◆ **OFFICE** (734) 971-8400 ◆ **FAX** (734) 973-4624 ◆ **EMAIL** sheriffinfo@ewashtenaw.org

JERRY L. CLAYTON
SHERIFF

MARK A. PTASZEK
UNDERSHERIFF

To: Brenda Stumbo, Ypsilanti Township Supervisor
From: Shane Peltier, Police Services Lieutenant
Cc: Ypsilanti Township Board
Keith Flores, WCSO Police Services Commander
Nancy Hansen, WCSO Police Services Captain
Date: September 9, 2022
Re: August 2022 Police Services Monthly Report

SUMMARY:
During the month of August 2022, there were 3,896 calls for service in Ypsilanti Township, a 10% increase in calls for service as compared to August 2021.

OPERATIONS
During August 2022, Patrol Operations responded to calls for service, conducted traffic enforcement, and completed criminal investigations in support of our citizen's quality of life.

In the month of August 2022 there were 20 home invasions, which is a 54% increase compared to the month of August 2021 (13 home invasions). In many of these incidents a domestic relationship and unauthorized entry were common. The best prevention methods for a typical residential home invasion are to keep all windows and doors locked (including vehicles in the driveway), including deadbolts, while away from home. External lighting and visual deterrents such as "Beware of Dog" or alarm signage also discourages criminals.

The month of August showed a decrease in breaking and entering's of 80% (1 compared to 5 in 2021). In the month of August 2022, we saw 1 robbery. In the month of August 2021, we saw 0 robberies.

In August 2022 there were 9 reported UDAA's. This is a 47% decrease from August 2021 where there were 17 reported UDAA's. Many of these vehicle thefts occurred by the suspect gaining entry to an unlocked vehicle. Citizens are reminded to lock all vehicle doors and keep ignition keys in separate and secure areas to prevent such thefts. Valuables, if left in a vehicle, should be placed in a concealed location. The following website provides further information regarding the reduction of potential for theft of your vehicle, common vehicles targeted, and further information.

https://www.nhtsa.gov/road-safety/vehicle-theft-prevention

YOUTH INITIATIVE
The Sheriff's Office continues to partner with courts, probation, and social services to ensure that there is accountability beyond Sheriff's Office contact with the offenders that are consistently involved in crimes. From a year-to-year perspective, comparing 2022 to 2021, our juvenile offenses and complaints are down 24.5% (from 171 to 129) and our runaway complaints are up 66.66% (from 33 to 55).

WASHTENAW COUNTY
OFFICE OF THE SHERIFF

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JERRY L. CLAYTON
SHERIFF

MARK A. PTASZEK
UNDERSHERIFF

COMMUNITY ACTION TEAM

The purpose of the Community Action Team (CAT) is to respond to situations involving or with a nexus of drugs, guns, or violence. The team focuses on the timely assessment and response to tips they receive from our community and community problems identified through crime pattern analysis.

CAT collaboration with the Michigan Department of Corrections in reference to parole compliance contributes to effective monitoring and management of parolees who live in our community. Timely and efficient response to tips regarding parolee misconduct combined with regular unannounced home visits are expected by the parolees that reside in Ypsilanti Township and surrounding areas.

For any violent crime tips related to guns, gang activity or violence in general please call 734-661-9034.

CLEMIS ONLINE REPORTING

Citizens can now fill out a police report online utilizing CLEMIS' new "online reporting tool". Citizens can visit: https://www.washtenaw.org/3439/File-a-Police-Report to fill out an online report.

WASHTENAW ALERT (EVERBRIDGE)

As a reminder for residents they can sign up for "Up-to-the-minute updates" from the Washtenaw County Sheriff's Office by email or cell phone at www.washtenaw.org/alerts

HOUSE WATCH

If you plan on being gone for a period of time sign your house up for house checks. The house watch form can be found at: https://www.washtenaw.org/1743/House-Watch

NEW FACES

The Sheriff's Office is hiring! We continue to hire highly qualified, motivated, and diverse people that are committed to pursuing our mission: Creating public safety, providing quality service, and building strong and sustainable communities.

If you are interested in joining us in serving your community in Police Services, Corrections, Communications, Emergency Services or Community Corrections please check us out at: https://www.washtenaw.org/1124/Sheriff

We have rewarding career opportunities available for those seeking a profession with a greater purpose.

August 2022 Ypsilanti Twp. Call Report (WD)
City:Ypsilanti Twp-YPT

Search Criteria: (This report counts for offenses but excludes UCR status of 'Unfounded'.)	
Month:	August
Year:	2022
City:	Ypsilanti Twp-YPT

August 2022 Ypsilanti Twp. Call Report (WD)

City:Ypsilanti Twp-YPT

CLASS	Description	Aug/2022	Aug/2021	% CHG	YTD 2022	YTD 2021	% CHG	ADULT Aug/2022	ADULT YTD	JUV Aug/2021	JUV YTD	Total Aug	Total YTD
09001	MURDER/NONNEGLIGENT MANSLAUGHTER (VOLUNTARY)	1	1	0%	6	3	100%	0	3	1	2	1	5
09002	NEGLIGENT HOMICIDE/MANSLAUGHTER (INVOLUNTARY)	0	0	0%	0	1	-100%	0	0	0	0	0	0
10001	KIDNAPPING/ABDUCTION	1	2	-50%	7	9	-22.2%	1	2	0	0	1	2
10002	PARENTAL KIDNAPPING	0	0	0%	2	1	100%	0	0	0	0	0	0
11001	SEXUAL PENETRATION PENIS/VAGINA -CSC lST DEGREE	3	0	0%	17	15	13.33%	0	3	0	0	0	3
11002	SEXUAL PENETRATION PENIS/VAGINA -CSC 3RD DEGREE	1	0	0%	4	5	-20%	0	0	0	0	0	0
11003	SEXUAL PENETRATION ORAL/ANAL -CSC lST DEGREE	0	1	-100%	3	3	0%	0	0	0	0	0	0
11004	SEXUAL PENETRATION ORAL/ANAL -CSC 3RD DEGREE	0	0	0%	0	2	-100%	0	0	0	0	0	0
11005	SEXUAL PENETRATION OBJECT -CSC IST DEGREE	0	0	0%	2	0	0%	0	0	0	0	0	0
11007	SEXUAL CONTACT FORCIBLE -CSC 2ND DEGREE	3	3	0%	15	9	66.66%	0	1	0	0	0	1
11008	SEXUAL CONTACT FORCIBLE -CSC 4TH DEGREE	2	2	0%	12	9	33.33%	0	2	0	0	0	2
12000	ROBBERY	1	2	-50%	15	20	-25%	0	6	0	0	0	6
12001	ROBBERY	0	0	0%	3	2	50%	0	1	0	0	0	1
13001	NONAGGRAVATED ASSAULT	39	32	21.87%	335	375	-10.6%	15	119	1	6	16	125
13002	AGGRAVATED/FELONIOUS ASSAULT	35	22	59.09%	247	238	3.781%	20	114	0	8	20	122
13003	INTIMIDATION/STALKING	16	5	220%	81	42	92.85%	5	16	0	0	5	16
20000	ARSON	2	0	0%	5	2	150%	1	1	0	0	1	1
21000	EXTORTION	1	0	0%	5	1	400%	0	0	0	0	0	0
22001	BURGLARY -FORCED ENTRY	19	15	26.66%	78	100	-22%	5	12	0	1	5	13
22002	BURGLARY -ENTRY WITHOUT FORCE (Intent to Commit)	2	3	-33.3%	24	28	-14.2%	0	1	0	0	0	1
23001	LARCENY -POCKETPICKING	0	0	0%	2	0	0%	0	1	0	0	0	1
23002	LARCENY -PURSESNATCHING	0	1	-100%	0	3	-100%	0	1	0	0	0	1

August 2022 Ypsilanti Twp. Call Report (WD)

City:Ypsilanti Twp-YPT

								ADULT		JUV		Total	
CLASS	Description	Aug/2022	Aug/2021	% CHG	YTD 2022	YTD 2021	% CHG	Aug/2022	YTD	Aug/2021	YTD	Aug	YTD
23003	LARCENY -THEFT FROM BUILDING	16	16	0%	89	91	-2.19%	0	3	0	0	0	3
23004	LARCENY -THEFT FROM COIN-OPERATED MACHINE/DEVICE	0	0	0%	1	0	0%	0	0	0	0	0	0
23005	LARCENY -THEFT FROM MOTOR VEHICLE	16	27	-40.7%	137	147	-6.80%	1	1	0	0	1	1
23006	LARCENY -THEFT OF MOTOR VEHICLE PARTS/ACCESSORIES	5	3	66.66%	33	23	43.47%	0	0	0	0	0	0
23007	LARCENY -OTHER	11	14	-21.4%	57	75	-24%	0	0	0	0	0	0
24001	MOTOR VEHICLE THEFT	10	14	-28.5%	81	104	-22.1%	0	9	0	0	0	9
24002	MOTOR VEHICLE, AS STOLEN PROPERTY	0	2	-100%	15	22	-31.8%	0	5	0	5	0	10
24002	MOTOR VEHICLE THEFT	2	0	0%	4	13	-69.2%	0	1	1	3	1	4
24003	MOTOR VEHICLE FRAUD	0	2	-100%	0	4	-100%	0	0	0	0	0	0
25000	FORGERY/COUNTERFEITING	2	0	0%	21	2	950%	0	2	0	0	0	2
26001	FRAUD -FALSE PRETENSE/SWINDLE/CONFIDENCE GAME	6	10	-40%	45	71	-36.6%	0	1	0	0	0	1
26002	FRAUD -CREDIT CARD/AUTOMATIC TELLER MACHINE	3	15	-80%	38	60	-36.6%	0	1	0	0	0	1
26005	FRAUD -WIRE FRAUD	1	2	-50%	8	17	-52.9%	0	0	0	0	0	0
26007	FRAUD - IDENTITY THEFT	10	6	66.66%	55	46	19.56%	0	0	0	0	0	0
26008	FRAUD - HACKING/COMPUTER INVASION	0	0	0%	1	0	0%	0	0	0	0	0	0
27000	EMBEZZLEMENT	2	0	0%	9	4	125%	0	1	0	0	0	1
28000	STOLEN PROPERTY	4	1	300%	15	16	-6.25%	0	4	0	1	0	5
29000	DAMAGE TO PROPERTY	41	31	32.25%	247	259	-4.63%	2	18	0	2	2	20
30001	RETAIL FRAUD -MISREPRESENTATION	0	0	0%	1	1	0%	0	0	0	0	0	0
30002	RETAIL FRAUD -THEFT	6	4	50%	39	46	-15.2%	0	1	0	0	0	1
30003	RETAIL FRAUD -REFUND/EXCHANGE	0	0	0%	0	1	-100%	0	0	0	0	0	0
35001	VIOLATION OF CONTROLLED SUBSTANCE ACT	5	5	0%	92	51	80.39%	3	26	0	0	3	26
35002	NARCOTIC EQUIPMENT VIOLATIONS	1	0	0%	21	15	40%	0	1	0	0	0	1
37000	OBSCENITY	2	2	0%	9	3	200%	0	0	0	0	0	0
52001	WEAPONS OFFENSE- CONCEALED	10	5	100%	62	42	47.61%	6	30	0	3	6	33

August 2022 Ypsilanti Twp. Call Report (WD)

City:Ypsilanti Twp-YPT

								ADULT		JUV		Total	
CLASS	Description	Aug/2022	Aug/2021	% CHG	YTD 2022	YTD 2021	% CHG	Aug/2022	YTD	Aug/2021	YTD	Aug	YTD
52003	WEAPONS OFFENSE -OTHER	4	7	-42.8%	27	28	-3.57%	0	2	0	0	0	2
72000	ANIMAL CRUELTY	0	0	0%	10	9	11.11%	0	0	0	0	0	0
	Group A Totals	**283**	**255**	**10.98%**	**1980**	**2018**	**-1.88%**	**59**	**389**	**3**	**31**	**62**	**420**
22003	BURGLARY - UNLAWFUL ENTRY (NO INTENT)	0	0	0%	3	2	50%	0	0	0	0	0	0
26006	FRAUD -BAD CHECKS	1	3	-66.6%	7	4	75%	0	0	0	0	0	0
36004	SEX OFFENSE -OTHER	2	0	0%	9	3	200%	0	0	0	0	0	0
38001	FAMILY -ABUSE/NEGLECT NONVIOLENT	0	3	-100%	23	23	0%	0	1	0	0	0	1
38003	FAMILY -OTHER	0	0	0%	0	1	-100%	0	0	0	0	0	0
41002	LIQUOR VIOLATIONS -OTHER	0	1	-100%	7	18	-61.1%	0	0	0	0	0	0
48000	OBSTRUCTING POLICE	18	15	20%	120	122	-1.63%	3	27	0	3	3	30
49000	ESCAPE/FLIGHT	0	1	-100%	0	1	-100%	0	0	0	0	0	0
50000	OBSTRUCTING JUSTICE	29	16	81.25%	178	112	58.92%	6	55	0	0	6	55
53001	DISORDERLY CONDUCT	6	0	0%	13	17	-23.5%	3	4	0	0	3	4
53002	PUBLIC PEACE -OTHER	0	0	0%	5	4	25%	0	1	0	0	0	1
54001	HIT and RUN MOTOR VEHICLE ACCIDENT	1	0	0%	10	5	100%	0	1	0	0	0	1
54002	OPERATING UNDER THE INFLUENCE OF LIQUOR OR DRUGS	15	17	-11.7%	168	123	36.58%	11	128	0	1	11	129
55000	HEALTH AND SAFETY	0	0	0%	14	6	133.3%	0	1	0	0	0	1
57001	TRESPASS	2	4	-50%	12	19	-36.8%	0	0	0	0	0	0
57002	INVASION OF PRIVACY -OTHER	0	0	0%	0	1	-100%	0	0	0	0	0	0
58000	SMUGGLING	0	1	-100%	4	6	-33.3%	0	0	0	0	0	0
61000	TAX/REVENUE	0	0	0%	1	0	0%	0	0	0	0	0	0
62000	CONSERVATION	1	0	0%	1	0	0%	0	0	0	0	0	0
63000	VAGRANCY	0	0	0%	0	2	-100%	0	0	0	0	0	0
70000	JUVENILE RUNAWAY	7	3	133.3%	55	33	66.66%	0	0	0	0	0	0
73000	MISCELLANEOUS CRIMINAL OFFENSE	1	2	-50%	22	15	46.66%	0	0	0	0	0	0
	Group B Totals	**83**	**66**	**25.75%**	**652**	**517**	**26.11%**	**23**	**218**	**0**	**4**	**23**	**222**
2800	JUVENILE OFFENSES AND COMPLAINTS	12	25	-52%	129	171	-24.5%	0	0	0	0	0	0

August 2022 Ypsilanti Twp. Call Report (WD)

City:Ypsilanti Twp-YPT

CLASS	Description	Aug/2022	Aug/2021	% CHG	YTD 2022	YTD 2021	% CHG	ADULT Aug/2022	ADULT YTD	JUV Aug/2021	JUV YTD	Total Aug	Total YTD
2900	TRAFFIC OFFENSES	28	31	-9.67%	160	225	-28.8%	1	11	0	2	1	13
3000	WARRANTS	54	23	134.7%	347	232	49.56%	27	195	0	3	27	198
3100	TRAFFIC CRASHES	110	102	7.843%	864	747	15.66%	0	2	0	0	0	2
3200	SICK / INJURY COMPLAINT	206	183	12.56%	1492	1347	10.76%	0	0	0	0	0	0
3300	MISCELLANEOUS COMPLAINTS	813	879	-7.50%	6127	6211	-1.35%	0	0	0	0	0	0
3400	WATERCRAFT COMPLAINTS / ACCIDENTS	3	1	200%	10	6	66.66%	0	0	0	0	0	0
3500	NON - CRIMINAL COMPLAINTS	973	1028	-5.35%	7334	7597	-3.46%	0	1	0	7	0	8
3700	MISCELLANEOUS TRAFFIC COMPLAINTS	1104	730	51.23%	9330	5103	82.83%	0	0	0	0	0	0
3800	ANIMAL COMPLAINTS	93	65	43.07%	588	458	28.38%	0	0	0	0	0	0
3900	ALARMS	141	124	13.70%	1064	924	15.15%	0	0	0	0	0	0
	Group C Totals	**3537**	**3191**	**10.84%**	**27445**	**23021**	**19.21%**	**28**	**209**	**0**	**12**	**28**	**221**
4000	HAZARDOUS TRAFFIC CITATIONS / WARNINGS	0	0	0%	11	4	175%	0	1	0	0	0	1
4100	NON-HAZARDOUS TRAFFIC CITATIONS / WARNINGS	0	0	0%	1	1	0%	0	0	0	0	0	0
4200	PARKING CITATIONS	2	1	100%	10	6	66.66%	0	0	0	0	0	0
4300	LICENSE / TITLE / REGISTRATION CITATIONS	0	0	0%	1	3	-66.6%	0	0	0	0	0	0
4500	MISCELLANEOUS A THROUGH UUUU	21	18	16.66%	153	128	19.53%	0	0	0	0	0	0
	Group D Totals	**23**	**19**	**21.05%**	**176**	**142**	**23.94%**	**0**	**1**	**0**	**0**	**0**	**1**
5000	FIRE CLASSIFICATIONS	0	0	0%	0	1	-100%	0	0	0	0	0	0
5100	18A STATE CODE FIRE CLASSIFICATIONS	0	0	0%	2	2	0%	0	0	0	0	0	0
	Group E Totals	**0**	**0**	**0%**	**2**	**3**	**-33.3%**	**0**	**0**	**0**	**0**	**0**	**0**
6000	MISCELLANEOUS ACTIVITIES (6000)	54	40	35%	349	239	46.02%	0	0	0	0	0	0
6100	MISCELLANEOUS ACTIVITIES (6100)	93	153	-39.2%	780	1001	-22.0%	0	0	0	0	0	0
6300	CANINE ACTIVITIES	3	3	0%	34	24	41.66%	0	0	0	0	0	0
6500	CRIME PREVENTION ACTIVITIES	2	5	-60%	36	45	-20%	0	0	0	0	0	0
6600	COURT / WARRANT ACTIVITIES	2	2	0%	4	8	-50%	0	0	0	0	0	0
6700	INVESTIGATIVE ACTIVITIES	49	25	96%	306	258	18.60%	0	0	0	0	0	0
	Group F Totals	**203**	**228**	**-10.9%**	**1509**	**1575**	**-4.19%**	**0**	**0**	**0**	**0**	**0**	**0**
	City : Ypsilanti Twp Totals	**4129**	**3759**	**9.843%**	**31764**	**27276**	**16.45%**	**110**	**817**	**3**	**47**	**113**	**864**

JERRY L. CLAYTON

YPSILANTI TOWNSHIP MONTHLY POLICE SERVICES DATA
August 2022

Incidents	Month 2022	Month 2021	% Change	YTD 2022	YTD 2021	% Change
Traffic Stops	965	623	55%	8216	3923	109%
Citations	387	242	60%	3090	1941	59%
Drunk Driving (OWI)	9	13	-31%	99	90	10%
Drugged Driving (OUID)	4	3	33%	59	29	103%
Calls for Service Total	3896	3533	10%	29849	25477	17%
Calls for Service *(Traffic stops and non-response medicals removed)*	2459	2466	0%	18214	18339	-1%
Robberies	1	0	+	18	20	-10%
Assaultive Crimes	81	62	31%	632	653	-3%
Home Invasions	20	13	54%	85	96	-11%
Breaking and Entering's	1	5	-80%	17	33	-48%
Larcenies	47	61	-23%	308	339	-9%
Vehicle Thefts	9	17	-47%	78	125	-38%
Traffic Crashes	80	76	5%	690	564	22%
Medical Assists	42	56	-25%	428	472	-9%
Animal Complaints *(ACO Response)*	33	21	57%	160	174	-8%

In/Out of Area Time	Month *(minutes)*	YTD *(minutes)*
Into Area Time	1446	13384
Out of Area Time	3398	20495
Investigative Ops (DB)	41095	320965
Secondary Road Patrol	1385	10054
County Wide	864	5814

+ = Positive Change
- = Negative Change

	Hours Accum	Hours Used	Balance
Banked Hours	411	TBD	473.5

Out of Area Time

For: 08/01/2022 thru 08/31/2022

Patrol Area	Reporting Area	Username	Location	Activity Category	Incident Number	Comments	Start Time	Duration in Minutes	Start Date
YPSILANTI TWP	YPSILANTI CITY	WDMCQUEENC	S HAMILTON ST/HARRIET ST	TRAFFIC STOP	220061050	VEHICLE WAS IMPEDING TRAFFIC IN A CONSTRUCTION ZONE	16:50:00	10	8/1/2022
YPSILANTI TWP	SUPERIOR TWP	WDLEWISN	RIDGE RD	BACKUP DISPATCHED CALLS	220061977	PER SGT. ARTS. BACK ON ALLEGED DV.	15:40:00	50	8/4/2022
YPSILANTI TWP	ANN ARBOR CITY	WDROYJ	W WILLIAM ST	DISPATCHED CALLS	220062069	MEETING WITH SHERIFF CLAYTON AND TRISH CORTEZ RE POSSIBLE EDP ISSUE IN ANN ARBOR.	21:35:00	45	8/4/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	E MICHIGAN AVE	BACKUP DISPATCHED CALLS	220062093	back ypd and assist with petitoin of male who believed that he was a wizzard. And complained that someone took his wizzard stick in a "STICK UP"	23:00:00	90	8/4/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDBELLASE	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220062136	BU SUPERIOR UNITS WITH DISORDERLY PER SGT WALLACE	03:40:00	20	8/5/2022
YPSILANTI TWP	SUPERIOR TWP	WDERBESJ	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220062136	DISORDERLY PER SGT WALLACE	03:40:00	15	8/5/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDMCQUEENC	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220062340	B/U SUT DEPS - SHOOTING - PER SGT MONTGOMERY	18:35:00	25	8/5/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDMIZERK	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220062340	DISP: ASSIST BLVD WITH SHOOTING OK PER 627	18:35:00	95	8/5/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDSOYRING	MACARTHUR BLVD/N HARRIS RD	DISPATCHED CALLS	220062340	ASSIST WITH INITIAL RESPONSE TO ASSAULT/ SHOOTING, EVIDENCE LOCATION, SCENE SECURITY AT HOSPITAL - AUTHORIZED BY SGT. MONTGOMERY	18:35:00	65	8/5/2022
YPSILANTI TWP	AUGUSTA TWP	WDVANDUSSENK	HITCHINGHAM RD	BACKUP DISPATCHED CALLS	220062651	ASSISTED MSP WITH SHOOTING / APPOVED PER SGT MONTY	20:00:00	50	8/6/2022
YPSILANTI TWP	AUGUSTA TWP	WDHALLR	HITCHINGHAM RD	BACKUP DISPATCHED CALLS	220062651	BACK UP MDP UNITS WITH SHOOTING-APPROVED BY SERGEANT MONTGOMERY	20:10:00	40	8/6/2022
YPSILANTI TWP	SUPERIOR TWP	WDHALLR	STRATFORD CT	BACKUP DISPATCHED CALLS	220062688	LARGE GROUP OF DISORDERLY SUBJECTS WITH PD NEEDING ADDITIONAL UNITS FOR ASSISTANCE. LATER CANCELLED BY OTHER UNIT DUE TO CROWD DISPERSING-APPROVED BY SERGEANT MONTGOMERY	22:30:00	5	8/6/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDVANDUSSENK	WASHTENAW AVE/HOGBACK RD	BACKUP DISPATCHED CALLS	220062975	BACKED ON FOOT PURSUIT / DOG TRACK FOR INDIVIDUAL WITH A GUN / APPROVED PER SGT MONTGOMERY	23:30:00	135	8/7/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDSHANKLANDC	WASHTENAW AVE/HOGBACK RD	BACKUP DISPATCHED CALLS	220062975	PER SGT MONTY PITTSFIELD HAD ONE RUNNING	23:35:00	20	8/7/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDERBESJ	WASHTENAW AVE/HOGBACK RD	BACKUP DISPATCHED CALLS	220062975	PER SGT MONTGOMERY/ MALE FLEEING WITH GUN	23:50:00	70	8/7/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDROBERTSB	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220063097	Warrant arrest, Sgt Thompson approved	12:05:00	30	8/8/2022
YPSILANTI TWP	SUPERIOR TWP	WDRAABT	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220063097	ASSIST SUT W/ WARRANT PICK UP. GOOD PER SGT THOMPSON	12:05:00	30	8/8/2022
YPSILANTI TWP	ANN ARBOR CITY	WDROYJ	WASHTENAW AVE	BACKUP DISPATCHED CALLS	220063215	Per Sgt Pennington Respond to assist Ann Arbor PD with Female who was evicted from hotel and homeless / possible CMH client provided options for PATH and food for her child	19:45:00	75	8/8/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDKORONAM	GLENCOE HILLS DR	BACKUP DISPATCHED CALLS	220063284	PITTSFIELD/CRU REQUESTED CNT SUPPORT ON SUICIDAL OK PER SGT PENNINGTON	00:25:00	50	8/9/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	W MICHIGAN AVE	SELF INITIATED (CRU ONLY)	220063296	Locate intox unconsious male Laying in front of urgent care. made contact and woke him up. TOT HVA and YPD	01:30:00	20	8/9/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	W MICHIGAN AVE	SELF INITIATED (CRU ONLY)	220063298	While on scene approached by MarcAnthony Davis who rembembered CRU from previous engangemet.Requested asistance with getting to the hospital.	01:50:00	20	8/9/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDROYJ	CARPENTER RD	SELF INITIATED (CRU ONLY)	220063307	Respond to the area at the request of Ofc Spehar. Found male and offered engagement. Male regused but said he may call if it rains.	02:10:00	40	8/9/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDKORONAM	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220063312	ASSIST SINGLE UNIT WITH POSSIBLE B&E OK PER SGT PENNINGTON	04:00:00	20	8/9/2022
YPSILANTI TWP	ANN ARBOR CITY	WDROYJ	SIGNATURE BLVD	BACKUP DISPATCHED CALLS	220063576	RESPOND TO AAPD TO ASSIST WITH BARRICADED SUICIDAL CNT TEAM SHORT PEOPLE ASSIST WITH CNT RESPONSE ARRESTED S1 RETURN TO TOWNSHIP	20:45:00	90	8/9/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDROYJ	CARPENTER RD	SELF INITIATED (CRU ONLY)	220063655	REQUESTED BY SGT BEARD TO ASSIST A HOMELESS MALE PROVIDED OPTION S PENNINGTON ADVISED	05:40:00	50	8/10/2022
YPSILANTI TWP	SUPERIOR TWP	WDMIZERK	GEDDES RD/RIDGE RD	BACKUP DISPATCHED CALLS	220063749	ASSIST SUT WITH SERIOUS INJURY CRASH - OK PER SGT HOUK - ON CALL FOR SRP	12:20:00	60	8/10/2022
YPSILANTI TWP	SUPERIOR TWP	WDWEBBB	GEDDES RD/RIDGE RD	BACKUP DISPATCHED CALLS	220063749	SERIOUS PI CRASH/ REQUESTED TO COME TO SCENE PER LT ROBINSON/ SGT HOUK	12:20:00	70	8/10/2022

Out of Area Time

For: 08/01/2022 thru 08/31/2022

YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDPHILLIPSA	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220063859	REPORT OF 30+ PPL FIGHTING, IN PROGRESS, CLEARED WITH SGT. HOUK, UTL	18:45:00	10	8/10/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDSHANKLANDC	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220064306	FEMALE ARGUING WITH MALE, PER 626 SGT ARTS CAN BACK ONLY SUPERIOR CAR	07:15:00	5	8/12/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDPEARSONA	WALMART (MICHIGAN AVE)	BRIEFING/SHIFT BRIEFING		ASSISTED PTPD WITH A SHOOTING AT WALMART ON MICHIGAN AVE APPROVED BY SGT ARTS	10:00:00	120	8/12/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDPEARSONA	MACARTHUR	BACKUP DISPATCHED CALLS		ASSISTED SUT WITH MAN WITH GUN PER SGT ARTS 22-64476	18:30:00	60	8/12/2022
YPSILANTI TWP	SUPERIOR TWP	WDRIEBOLDTR	MACARTHUR BLVD.	BACKUP DISPATCHED CALLS		DISP: ASSISTED BLVD CAR WITH A WEAPON OFFENSE / GUY WITH GUN (22-64476)	18:30:00	90	8/12/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDBELLASE	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220064476	BU BLVD UNITS ON MAN WITH A GUN CALL PER SGT PENNINGTON	18:45:00	50	8/12/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDRAABT	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220064476	ASSIST SUT WITH FA/CCW GOOD PER SGT THOMPSON	18:45:00	50	8/12/2022
YPSILANTI TWP	ANN ARBOR CITY	WDROYJ	E HURON ST	DISPATCHED CALLS	220064500	RESPOND TO A2 T WELLFARE CHECK MADE CONTACT WITH FEMALE ADVISED SHE WAS FINE AND DID NOT WANT ASSISTANCE CHECKED HOME AND HAD FOOD INSIDE FAMILY ADVISED	20:00:00	80	8/12/2022
YPSILANTI TWP	SUPERIOR TWP	WDROYJ	NOTTINGHAM DR/E CLARK RD	BACKUP DISPATCHED CALLS	220064610	Sgt. Thompson Back Gombos on a call. Dispatch just said "It Got Wierd" Male just Crashed his mini bike	04:40:00	10	8/13/2022
YPSILANTI TWP	YPSILANTI CITY	WDBELLASE	W MICHIGAN AVE/N HURON ST	TRAFFIC STOP	220064797	RAN RED LIGHT / VW	21:00:00	10	8/13/2022
YPSILANTI TWP	ANN ARBOR CITY	WDROYJ	W WASHINGTON ST	BACKUP DISPATCHED CALLS	220064867	ASSIST AAPD WITH CALL OUT FOR BARRICADED SUSPECT SGT PENNINGTON AND SGT CRATSENBERG NOTIFIED STANDBY TILL SUSPCET SURRENDERED	01:30:00	145	8/14/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDROYJ	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220064895	BACK UP NEDDO IN SUPERIOR SINGLE CAR IN SUPERIOR ONLY UNIT AVAILBLE IN YPT PER SGT PENNINGTON	04:50:00	20	8/14/2022
YPSILANTI TWP	YPSILANTI CITY	WDBELLASE	PERRY ST	BACKUP DISPATCHED CALLS	220065021	ASSIST YPD WITH SHOOTING PER SGT THOMPSON	21:05:00	25	8/14/2022
YPSILANTI TWP	YPSILANTI CITY	WDMACES	PERRY ST	BACKUP DISPATCHED CALLS	220065021	BACKED YPD ON SHOOTING, APPROVED BY SGT THOMPSON	21:05:00	30	8/14/2022
YPSILANTI TWP	YPSILANTI CITY	WDMACES	N HAMILTON ST/W MICHIGAN AVE	BACKUP DISPATCHED CALLS	220065027	BACKED YPD ON UKNOWN CRASH, APPROVED BY SGT THOMPSON	21:35:00	10	8/14/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	S HURON ST	BACKUP DISPATCHED CALLS	220065050	ASSIST YPD WITH OPEN CMH CLIENT MILTON RAY TRANSPORT MILTON TO FAMILY HOUSE IN HARVEY PLACE PROVIDED SNACKS	23:10:00	30	8/14/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDMACES	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065083	BACKED SUP TWP ON A&B, APPROVED BY SGT THOMPSON	04:50:00	30	8/15/2022
YPSILANTI TWP	SUPERIOR TWP	WDSMITHJ	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065083	assist superior unit w/assault udaa sgt thompson approved	04:55:00	90	8/15/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDMACES	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065084	BACKED SUP ON DISORDERLY, PER SGT THOMPSON	05:20:00	20	8/15/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDMACES	STAMFORD RD/MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065086	BACKED ON WELFARE CHECK/DISORDERLY, CONTINUATION FROM PRIOR CALL, PER SGT THOMPSON	05:40:00	50	8/15/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDVANDUSSENK	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065361	BACKED ON FOOT CHASE / APPROVED PER SGT CRATSENBURG	03:10:00	15	8/16/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDZEHELD	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065361	BACK UP DEP HOWARD WITH SUBJECT FLEEING ON FOOT/ SGT CRATS APPROVED	03:10:00	20	8/16/2022
YPSILANTI TWP	SUPERIOR TWP	WDSILLERB	PROSPECT RD	BACKUP DISPATCHED CALLS	220065369	BACK UP LONE SUPERIOR UNIT ON SUSPICIOUS PERSON AT RESIDENCE THAT WAS REPORTED TO BE UNDER INFLUENCE OR EDP / APPROVED BY SGT CRATSENBURG	05:25:00	10	8/16/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDSILLERB	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220065375	disorderly subject on blvd and only one superior unit / previously ran from deps earlier in the night and has history of fighting with dep / approved by sgt cratsenburg	06:20:00	15	8/16/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDERBESJ	STA 1	DETAIL		PER SGT THOMPSON PITTSFIELD TOWNSHIP REQUIRED ASSISTANCE TO INTERVIEW AN ARMED ROBBERY SUSPECT THAT WAS IN THE JAIL/ THE JAIL WOULD NOT ALLOW PITTSFIELD IN TO INTERVIEW HIM AND WOULD ONLY ALLOW A COUNTY EMPLOYEE TO ESCORT THEM FROM THE JAIL TO THE DETECTIVE BUREAU FOR THE INTERVIEW/ I ASSISTED BY ESCORTING HIM	22:40:00	45	8/17/2022

Out of Area Time

For: 08/01/2022 thru 08/31/2022

YPSILANTI TWP	YPSILANTI CITY	WDRAABT	S PROSPECT ST/DAVIS ST	TRAFFIC STOP	220066006	UNAVOIDABLE STOP - CUTTING THU CONSTRUCTION ZONE - GOOD PER SGT ARTS	08:30:00	10	8/18/2022
YPSILANTI TWP	YPSILANTI CITY	WDWEBBB	E MICHIGAN AVE/N RIVER ST	TRAFFIC STOP	220066214	RED LIGHT VIOLATION IN FRONT OF ME AS I WAS BEHIND THE OFFENDING VEHICLE	18:15:00	10	8/18/2022
YPSILANTI TWP	YPSILANTI CITY	WDWEBBB	UPON MICHIGAN and AT/NEAR PARK	CITATIONS	220066214		18:20:00	0	8/18/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDWEBBB	CLARK RD/GLENCOE HILLS DR	DISPATCHED CALLS	220066220	OBSERVED CRASH IN PITTSFIELDS AREA/ ADVISED PITTSFIELD OF THE CRASH/TOT PITTSFIELD PD/SGT THOMPSON ADVISED	18:55:00	15	8/18/2022
YPSILANTI TWP	YPSILANTI CITY	WDSOYRING	WASHTENAW AVE/N NORMAL ST	TRAFFIC STOP	220066752	HEADING WRONG DIRECTION ON ONE WAY STREET; VIOLATION OF INTRUCTOR PERMIT	14:30:00	10	8/20/2022
YPSILANTI TWP	YPSILANTI CITY	WDSOYRING	UPON WASHTENAW and AT/NEAR NO	CITATIONS	220066752	HEADING WRONG DIRECTION ON ONE WAY STREET	14:40:00	0	8/20/2022
YPSILANTI TWP	SUPERIOR TWP	WDMIZERK	RIDGE RD	BACKUP DISPATCHED CALLS	220067047	DISP: ASSIST SUT UNITS/ CMH WITH A SUICIDAL - UNABLE TO REACH SUBJECT MULTIPLE RED FLAGS - OK PER SGT HOUK - ALL SUT UNITS TIED UP ON PRIORITY RUNS /AT HOSPITAL	14:50:00	85	8/21/2022
YPSILANTI TWP	SUPERIOR TWP	WDSOYRING	RIDGE RD	DISPATCHED CALLS	220067047	NO SUPERIOR TWP UNITS AVAILABLE FOR EXTENDED PERIOD OF TIME -- SUICIDAL SUBJECT - CMH ON SCENE REQUESTING POLICE. - SGT. HOUK APPROVAL TO TAKE PRIMARY TO ASSIST CMH STAFF	14:55:00	80	8/21/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDCAMPAGIORNIM	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220067098	ASSIST OIC WITH AGG DV, SGT. HOUK	18:30:00	35	8/21/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDVANDUSSENK	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220067207	backed on possible breaking and entering / no superior cars to assist, approved per sgt crats	04:02:00	13	8/22/2022
YPSILANTI TWP	YPSILANTI CITY	WDTRASKOSR	W MICHIGAN AVE	BACK-UP TRAFFIC STOP	220067310	ASSISTED YPD WITH SUBJECT WANTED FOR CSC / APPROVED SGT. HOGAN	12:45:00	75	8/22/2022
YPSILANTI TWP	YPSILANTI CITY	WDCOUCKED	W MICHIGAN AVE	BACKUP DISPATCHED CALLS	220067310	PER SGT HOGAN, ASSIST YPD WITH SEARCHING COMPLEX FOR CSC/ ASSUALT SUSPECT	12:55:00	60	8/22/2022
YPSILANTI TWP	PITTSFIELD TOWNSHIP	WDCOUCKED	HOGBACK RD	BACKUP DISPATCHED CALLS	220067332	PER SGT HOGAN, POSSIBLE FIGHT IN PARKING LOT, CANCELLED PRIOR TO ARRIVAL.	14:10:00	10	8/22/2022
YPSILANTI TWP	COUNTYWIDE	WDVANBYNENJ	VIA ZOOM	TRAINING		SEXUAL HARASSMENT TRAINING	13:30:00	180	8/23/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	BALLARD ST/PEARL ST	BACK-UP TRAFFIC STOP	220067836	assist EMU with foot chase Sgt. Thompson	23:10:00	45	8/23/2022
YPSILANTI TWP	YPSILANTI CITY	WDKORONAM	BALLARD ST/PEARL ST	BACKUP DISPATCHED CALLS	220067836	ASSIST WITH PERIMETER / K9 TRACK FOR SUSPECT WHO FLED TRAFFIC STOP OK PER SGT THOMPSON	23:15:00	40	8/23/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	S HURON ST	SELF INITIATED (CRU ONLY)	220067871	LOCATED MALE OUTSIDE GAS STATION SHOWED SIGNS OF BRUXISM FROM POSSIBLE NARCOTICS USE MALE PROVIDED SNACKS MALE ADVISED WAS HOMELESS PROVIDED OPTIONS MALE GAVE NAME OF ROMEO DAVIS, UNABLE TO LOCATE NAME IN LEIN / CLEAR	03:40:00	20	8/24/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDTRIPPB	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220067910	DROVE THROUGH MACARTHUR BLVD LOOKING FOR SUSPECT AFTER HE SLASHED CALLERS TIRES PER SGT WALLACE; UTL	09:20:00	20	8/24/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDKHATTARR	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220067995	APPROVED BY SGT WALLACE FOR LARGE FIGHT.	14:35:00	25	8/24/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDSIRIANNJ	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220067995	APPROVED BY SGT. WALLACE / ASSIST SUT UNITS WITH LARGE DISORDERLY CROWD ON BLVD	14:35:00	20	8/24/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDSOYRING	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220067995	RESPOND TO ASSIST SUT DEPUTIES WITH LARGE FIGHT ON MACARTHUR BLVD - REPORTS OF KNIVES AND GUNS -- AUTHORIZED BY SGT. WALLACE	14:35:00	15	8/24/2022
YPSILANTI TWP	SUPERIOR TWP	WDSTEWARTA	MACARTHUR BLVD/N HARRIS RD	BACKUP DISPATCHED CALLS	220067995	BACK UP TO SUPEIROR TWP- 20 IND. FIGHTING WEAPONS INVOLVED. SGT. WALLACE	14:35:00	10	8/24/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDCAMPAGIORNIM	MACARTHUR BLVD	BACK-UP TRAFFIC STOP	220068278	ASSIST OIC WITH TRAFFIC STOP, CANCELLED IN ROUTE, SGT.HOGAN/ARTS	10:55:00	5	8/25/2022
YPSILANTI TWP	SUPERIOR TWP	WDMCQUEENC	STAMFORD RD	DISPATCHED CALLS	220068347	FLAGGED DOWN BY CITIZEN ADVISING OF A STOLEN BIKE AFTER GIVING MALE SUBJECT A COURTESY RIDE TO STAMFORD CT.	15:45:00	25	8/25/2022
YPSILANTI TWP	SUPERIOR TWP	WDERBESJ	WIARD BLVD	BACKUP DISPATCHED CALLS	220068815	FIGHT IN PROGRESS PER SGT THOMPSON	01:10:00	10	8/27/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDBELLASE	MACARTHUR BLVD	BACKUP DISPATCHED CALLS	220068819	BU 763 ON DOMESTIC PER SGT THOMPSON	01:45:00	25	8/27/2022

Out of Area Time

For: 08/01/2022 thru 08/31/2022

YPSILANTI TWP	SUPERIOR TWP	WDROYJ	E HURON RIVER DR	BACKUP DISPATCHED CALLS	220068839	BACK UP UNITS PER SGT THOMPSON POSSIBLE UDAA IN PROGRESS ARRIVE AND ASSIST UNITS WITH DETETION OF SUSPECT SUSPECT IS CMH CLIENT SPEAK WITH SUSPECT FOLLOW UP WITH HOSPITAL STAFF WHILE ONLY SUPERIOR CAR IS AT JAIL	03:30:00	100	8/27/2022
YPSILANTI TWP	YPSILANTI CITY	WDROYJ	ECORSE RD	SELF INITIATED (CRU ONLY)	220069081	SELF DISPATCH TO ASSIST YPD ON SUICIDAL MALE DERRICK EPPS MADE CONTACT AND SPOKE WITH MALE TOT HVA FOR TRANSPORT TO ST JOE	23:15:00	25	8/27/2022
YPSILANTI TWP	SUPERIOR TWP	WDROYJ	SAVANNAH LN	BACKUP DISPATCHED CALLS	220069137	BACK UNITS ON POSSIBLE B&e IN PROGRESS PER SGT THOMPSON	05:25:00	15	8/28/2022
YPSILANTI TWP	YPSILANTI CITY	WDBELLASE	DWIGHT ST	DISPATCHED CALLS	220069230	ASSIST YPD WITH 202 MALE PER SGT ARTS	16:50:00	20	8/28/2022
YPSILANTI TWP	YPSILANTI CITY	WDRAABT	DWIGHT ST	BACKUP DISPATCHED CALLS	220069230	AOD YPD WITH B/E IN PROGRESS GOOD PER SGT ARTS	16:55:00	10	8/28/2022
YPSILANTI TWP	YPSILANTI CITY	WDGOMBOSJ	DWIGHT ST	DISPATCHED CALLS	220069230	ASSIST TO YPD ON B&E IN PROGRESS PER SGT ARTS DUE TO ALL YPD UNITS BEING TIED UP	17:00:00	15	8/28/2022
YPSILANTI TWP	MACARTHUR BLVD CONTRACT	WDCAMPAGIORNIM	MACARTHUR BLVD	BACK-UP TRAFFIC STOP	220069873	ASSIST OIC WITH SECURITY, SGT.HOUK	11:20:00	5	8/30/2022
YPSILANTI TWP	SCIO TOWNSHIP	WDRUSSELLT	JACKSON RD/N WAGNER RD	DISPATCHED CALLS	220070204	WHILE ENROUTE TO THE RANGE THERE WAS A VEHICLE STOPPED IN TURN LANE THAT RAN OUT OF GAS / VEHICLE MOVED FROM THE ROADWAY	11:00:00	15	8/31/2022
YPSILANTI TWP	SUPERIOR TWP	WDBELLASE	GEDDES RD/LEFORGE RD	BACKUP DISPATCHED CALLS	220070317	ASSISTED SUT UNIT W/ CRASH SCENE PER SGT THOMPSON	17:20:00	20	8/31/2022
YPSILANTI TWP	AUGUSTA TWP	WDROYJ	STONY CREEK RD	BACKUP DISPATCHED CALLS	220070433	Requested by MSP to assist on suicidal male. Arrived and assisted then Cleared. MSP then dispatched to a Fatal crash. Returned to assist both troopers left for fatal talked male into going to the hospital. followed male to keep him calm petitioned at hospital called family to advise SGT. Pennington Advised	01:00:00	195	9/1/2022
							Sum:	**3,593**	

Into Area Time

For: 08/01/2022 thru 08/31/2022

Patrol Area	Reporting Area	Username	Location	Activity Category	Incident Number	Comments	Start Time	Duration in Minutes	Start Date
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDBLANDC	MONTROSE AVE	BACKUP DISPATCHED CALLS	220061313	F/A in progress w/ gun / assisted w/ scene security / Sgt. Houk aprroval	15:20:00	15	8/2/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	WIARD RD	BACKUP DISPATCHED CALLS	220062464	BACK YPT UNITS ON SUBJECT FIGHTING WITH POLICE. SGT MONTGOMRY MONITORING	02:55:00	65	8/6/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDTROWBRIDGEM	WIARD RD	BACKUP DISPATCHED CALLS	220062464	BACKUP YPSI TWP DEPS ON DISORDERLY SGT MONTGOMERY APPROVAL	03:00:00	40	8/6/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDSIMMST	PARKWOOD AVE/S FORD BLVD	BACKUP DISPATCHED CALLS	220063455	BACKUP YSPI TWP / REFERENCE FOOT PURSUIT / SGT THOMPSON	15:05:00	30	8/9/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDSIMMST	N FORD BLVD/HOLMES RD	TRAFFIC STOP	220063711	UNAVOIDABLE STOP / VEHICLE WAS DRIVING ON SHOULDER AROUND TRAFFIC	10:30:00	10	8/10/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDBETTSI	WOODLAWN AVE	BACKUP DISPATCHED CALLS	220064521	Medical, no twp units avil - ok Sgt Thompson	21:20:00	25	8/12/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	LAKE DR	BACKUP DISPATCHED CALLS	220064884	BACK YPT UNIT ON DOMESTIC WITH REPORTS OF SHOTS FIRED PER SGT PENNINGTON	02:45:00	25	8/14/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDFARMERA	PRESCOTT ST	BACKUP DISPATCHED CALLS	220064954	CALL CAME IN AS ACTIVE B&E, S1 WAS NOT PRESENT ON ARRIVAL. OK PER SGT. ARTS. ONCE SECURE TOT YPSILANTI TWP DEPUTIES.	15:00:00	25	8/14/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDFARMERA	LEXINGTON PKWY/E CLARK RD	BACKUP DISPATCHED CALLS	220065789	DEP. SIMMS AND I WERE IN THE AREA WHEN CALL CAME OUT. AUTISTIC MALE RUNNING AROUND IN UNDERWEAR, FOLLOWED UNTIL HE RETURNED HOME. OK PER SGT. HOUK.	14:40:00	10	8/17/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	GROVE RD	BACKUP DISPATCHED CALLS	220066292	BACK BELLAS ON POSSIBLE B&E / CLEAR BUILDING PER SGT THOMPSON DUE TO ALL YPT UNITS TIED UP.	23:15:00	10	8/18/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	HARRY ST	DISPATCHED CALLS	220066294	BACK BELLAS ON WELFARE CHECK PER SGT THOMPSON DUE TO LL YPT UNITS BEING TIED UP.	23:25:00	10	8/18/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	E MICHIGAN AVE	DISPATCHED CALLS	220066299	HANDLE YPT WARRANT ARREST DUE TO ALL YPT UNITS ON INJURY ACCIDENT OR ON PAPER AT 2 PER SGT THOMPSON	23:50:00	80	8/18/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	BEDFORD DR	BACKUP DISPATCHED CALLS	220066603	BACK YPT UNITS ON 10 YO THAT FELL DOWN STAIRS AND WAS SERIOUSLY INJURED. CALL WITHIN CLOSE PROXIMITY OF SUT. APPROVED BY SGT CRATSENBURG	22:40:00	5	8/19/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDTROWBRIDGEM	HUDSON ST	BACKUP DISPATCHED CALLS	220066649	BACKUP YPSI UNITS ON HOMICIDE SGT CRATS APPROVAL	04:30:00	75	8/20/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDTROWBRIDGEM	BUNTON RD	DISPATCHED CALLS	220066644	NOISE COMPLAINT DISPATCHED CAR PER SGT CRATS BECAUSE YPSI TWP TIED UP ON HOMICIDE	05:45:00	15	8/20/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHOWARDS	GLENWOOD AVE/DAVIS ST	BACKUP DISPATCHED CALLS	220066923	ALL YPT UNITS TIED UP ON OTHER CFS'S / FEMALE ACTIVELY SMASHING GUYS WINDOW WITH CROWBAR - DISORDERLY IN THE BACKGROUND / APPROVED BY SGT. HOGAN	23:45:00	10	8/20/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDKELLEYW	LEXINGTON PKWY	DISPATCHED CALLS	220067513	OBSERVED ANIMAL ON CLARK	02:10:00	20	8/23/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDKELLEYW	LEXINGTON PKWY	DISPATCHED CALLS	220067520	RESIDENCE WAS ABLE TO GET ANIMAL IN YARD THAT WE OBSERVED ON CLARK RD. PER SGT THOMPSON HANDLE CALL	03:10:00	40	8/23/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDDUONGJ	S HURON ST/BRINKER WAY	BACK-UP TRAFFIC STOP	220068428	CAR V DEPUTY / STOOD BY DEPUTY AT THE HOSPITAL / PER SGT CRATSENBURG	21:00:00	165	8/25/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDBETTSI	S HARRIS RD	BACKUP DISPATCHED CALLS	220068438	SHOTS FIRED, YPT UNITS UNAVAIL - OK SGT CRATSENBURG	21:30:00	15	8/25/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	S HARRIS RD	DISPATCHED CALLS	220068438	SHOTS FIRED, HANDLED COMPALINT DUE TO ALL UNITS BEING TIED UP ON OFFICER INJURY / TRAFFIC CRASH PER SGT CRATSENBURG	21:30:00	20	8/25/2022
SALEM TWP	YPSILANTI TWP	WDSTEWARTA	S HARRIS RD	BACKUP DISPATCHED CALLS	220068438	BACK UP FOR SHOTS HEARD- RECKLESS DISGARD- SGT. CRATS APPROVAL- ALL YPT AND SUT TIED UP ON OFFICER INJURY CRASH- PROVIDED BACK UP FOR OFFICER SAFETY	21:30:00	30	8/25/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDBETTSI	WOBURN DR	BACKUP DISPATCHED CALLS	220068444	REP FA - NO OTHER YPT UNITS AVAIL - OK SGT CRATSENBURG	22:00:00	15	8/25/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDBETTSI	S HURON PKWY/WASHTENAW AVE	BACK-UP TRAFFIC STOP	220068470	BU TWP UNITS W/ STOP OF S1 VEHICLE FROM 22-68438 INCIDENT - OK SGT CRATSENBURG	00:40:00	55	8/26/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDGOMBOSJ	S HURON PKWY/WASHTENAW AVE	BACKUP DISPATCHED CALLS	220068470	BACK YPT UNITS ON STOP DUE TO EVDICNE FROM MY YPT SHOOTING CASE BEING RECOVERED PER SGT CRATSENBURG	00:40:00	55	8/26/2022

Into Area Time

For: 08/01/2022 thru 08/31/2022

YORK TWP	YPSILANTI TWP	WDTRIPPB	JAIL	DETAIL		WAITED FOR JAIL CLEARANCE AFTER TAKING ARRESTEE AT 1600 PER SGT ARTS	16:01:00	29	8/26/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHOWARDS	CONCORD DR	BACKUP DISPATCHED CALLS	220069280	SHOTS HEARD ON CONCORD - CALLER STATED 4 MALES WALKING AWAY FROM SHOTS / NO YPT UNITS AVAILABLE / APPROVED BY SGT. THOMPSON	20:40:00	15	8/28/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHOWARDS	MEDFORD DR	BACKUP DISPATCHED CALLS	220069269	DOMESTIC ASSAULT BETWEEN MOTHER AND DAUGHTER / NO YPT UNITS AVAILABLE / STOOD BY UNTIL YPT COULD MAKE SCENE AND TAKE REPORT / APPROVED BY SGT. THOMPSON	20:55:00	15	8/28/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDHOWARDS	VILLA DR/LEFORGE RD	BACKUP DISPATCHED CALLS	220069333	LARGE PARTY - YPT UNITS BEEN THERE MULTIPLE TIMES ALREADY / APPROVED BY SGT. THOMPSON	00:05:00	15	8/29/2022
SCIO TWP	YPSILANTI TWP	WDROSSJ	Circuit Court	COURT		Jury Trial for CSC case 19-76675/guilty	08:00:00	480	8/29/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDTROWBRIDGEM	W CLARK RD/CONCORD DR	BACK-UP TRAFFIC STOP	220070096	BACKUP YPSI UNIT ON TS SGT MONTGOMERY APPROVAL	01:00:00	10	8/31/2022
ANN ARBOR-SUPERIOR TWP COLLABORATION	YPSILANTI TWP	WDTROWBRIDGEM	E CROSS ST/N PROSPECT ST	DISPATCHED CALLS	220070143	ASSIST CITIZEN TRANSPORT TO ST JOES SGT HOUK APPROVAL	07:45:00	17	8/31/2022
							Sum:	**1,446**	

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON JR.

Recreation Department/
Community Center

2025 East Clark Road
Ypsilanti, MI 48198
Phone: (734)-544-3800
Fax: (734)-544-3888
ytownrec.org

MEMORANDUM

TO: Charter Township of Ypsilanti Board of Trustees

FROM: John Hines, Recreation Director
Josh Kugler, Recreation Coordinator
Nichole Passmore, Recreation Coordinator

DATE: September 14, 2022

RE: **Recreation Report – August 2022**

Directors Report:

Community Center Room Renovations wrapped up at the end of August. Renovations included converting former pre-school room and fitness room to gymnastics studio, converting former pool room into fitness room and converting former maintenance storage to the new pool room. Rooms are now open and available to use with minor furnishing left to do. Pictures below:







Started a new partnership with the Huron Valley Humane Society: Pet Sitting had 11 students

August Gymnastics Membership Update : 28 Memberships

August Community Center Room Rentals: 36

August Shelter Rentals: 27

Sports Program Report:

Summer Baseball Program: 3 Leagues with a total of 130 participants

Summer Co-ed Softball: 7 Teams for our Monday Double Header League

Fall Soccer League: 5 Leagues average around 50 players in each. Ages 3-12

Fall Tennis: 7 Adults and 26 Youth Participants

Cornhole Tournament: First Annual Tournament on August 27 – Total of 10 teams

50&Beyond Program Report:

Total of 36 Seniors purchased a membership in August.

August Trips included –

Lunch Out to Mavericks in Canton = 16

Ritter Planetarium = 14

Huron Lady II Luncheon and boat ride = 18

Eastern Market = 13

Detroit Tigers = 20

Held an Ice Cream Social on August 29 with a total of 47 participants

Supervisor
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JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

RE: Residential Services Department Board Report – September 20, 2022

Please use this memo as a report to the Charter Township of Ypsilanti Trustees for the September 20, 2022 regular meeting.

- Phase 1 of the Huron Street project is substantially complete. Staff will soon be submitting for the $150,000 Connecting Communities grant reimbursement
- Green Oaks Golf Course staff continue to make great strides on fixing the irrigation system. To date (9/14/2022) staff have recovered 370 golf balls in the system. The course has improved greatly from its lowest in mid to late June.
- Loonfeather Point Park awaits final punch list completion including the DTE and Comcast connection to the new security camera and the ADA handrail. PGA has started working with a new sub-contractor to fabricate and install the handrail within 4-6 weeks.
- The Ypsilanti Township Community Center will be hosting a Free Flu & Pneumonia Shot clinic on Saturday, August 8 from 12pm-4pm.
- The Township recycle cart roll-out continues its progress. The cart order has been held and collateral is still in design. The first mailer will hit homes the first week of October. The tentative schedule is for cart delivery to start 10/31/22 and to be completed by Thanksgiving. Service with the new carts is tentatively scheduled to start 12/5/2022.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

Charter Township of Ypsilanti
7200 S. HURON RIVER DRIVE•YPSILANTI, MI 48197

SUPERVISOR BRENDA STUMBO • CLERK HEATHER JARRELL ROE • TREASURER STAN ELDRIDGE TRUSTEES: JOHN P. NEWMAN II • GLORIA PETERSON • DEBBIE SWANSON • JIMMIE WILSON, JR.

WORK SESSION AGENDA
CHARTER TOWNSHIP OF YPSILANTI
TUESDAY, SEPTEMBER 20, 2022

5:00pm

1. 2023 BUDGET REVIEW……SUPERVISOR STUMBO
   JAVONNA NEEL, ACCOUNTING DIRECTOR
2. COMMUNITY RESOURCE CENTER……..……SUPERVISOR STUMBO
3. AGENDA REVIEW ……..SUPERVISOR STUMBO
4. OTHER DISCUSSION ..... BOARD MEMBERS

Supervisor
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Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
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Civic Center
Supervisor's Office
7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 544-4000 ext. 6
Fax: (734) 484-0002
www.ytown.org

Charter Township of Ypsilanti

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Brenda Stumbo, Township Supervisor

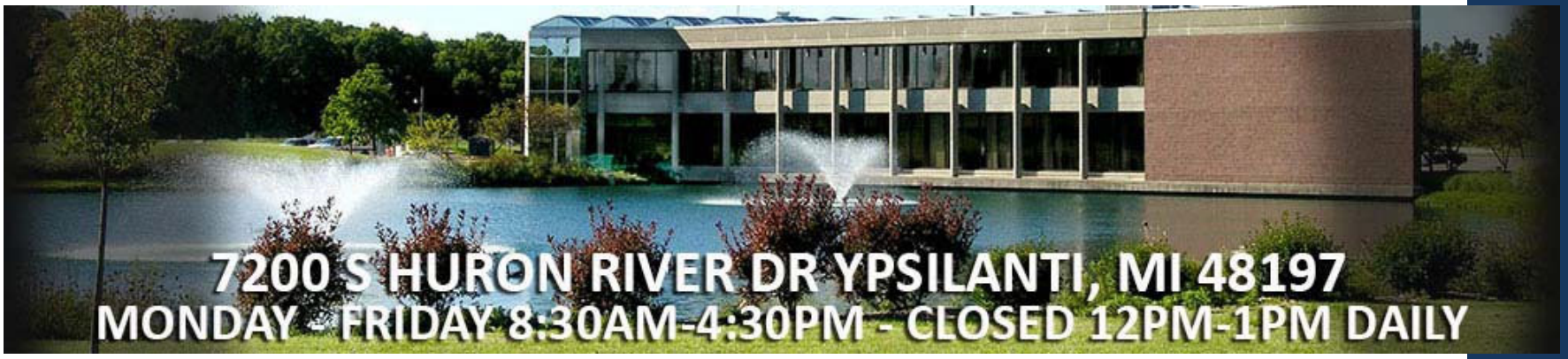
Date: September 14, 2022

RE: Request for work session discussion about 2023 Draft Budget Overview

The Supervisor's Office is requesting that the 2023 Draft Budget Overview be on the work session agenda. Attached is a presentation prepared by Javonna Neel, Accounting Director.

We would also like to discuss upcoming budget presentation meetings.

cc: Javonna Neel, Accounting Director



2023 BUDGET REQUEST – LINE BY LINE BUDGETS WITH NARRATIVES ARE AVAILABLE ON OUR WEBSITE - **YTOWN.ORG**

https://ytown.org/budget-information

2023 BUDGET REQUEST OVERVIEW

- MILLAGE RATES AND TAX REVENUE
- STATE SHARED REVENUE
- BASIC EXPENDITURE ASSUMPTIONS
- PENSION AND OPEB OVERVIEW

2022 TAX RATE REQUEST L-4029

Board Approved August 16, 2022

Michigan Department of Treasury
614 (Rev. 02-22)

ORIGINAL TO: County Clerk(s)
COPY TO: Equalization Department(s)
COPY TO: Each township or city clerk

L-4029

2022 Tax Rate Request (This form must be completed and submitted on or before September 30, 2022)

Carefully read the instructions on page 2.

MILLAGE REQUEST REPORT TO COUNTY BOARD OF COMMISSIONERS

This form is issued under authority of MCL Sections 211.24e, 211.34 and 211.34d. Filing is mandatory; Penalty applies.

County(ies) Where the Local Government Unit Levies Taxes	2022 Taxable Value of ALL Properties in the Unit as of 5-23-2022
Washtenaw	**TV 1,594,376,599 (TV minus Renaissance Zone 1,564,932,814)**
Local Government Unit Requesting Millage Levy	For LOCAL School Districts: 2022 Taxable Value excluding Principal Residence, Qualified Agricultural, Qualified Forest, Industrial Personal and Commercial Personal Properties.
Charter Township of Ypsilanti	

This form must be completed for each unit of government for which a property tax is levied. Penalty for non-filing is provided under MCL Sec 211.119. The following tax rates have been authorized for levy on the 2022 tax roll.

(1) Source	(2) Purpose of Millage	(3) Date of Election	(4) Original Millage Authorized by Election Charter, etc.	(5) ** 2021 Millage Rate Permanently Reduced by MCL 211.34d "Headlee"	(6) 2022 Current Year "Headlee" Millage Reduction Fraction	(7) 2022 Millage Rate Permanently Reduced by MCL 211.34d "Headlee"	(8) Sec. 211.34 Truth in Assessing or Equalization Millage Rollback Fraction	(9) Maximum Allowable Millage Levy *	(10) Millage Requested to be Levied July 1	(11) Millage Requested to be Levied Dec. 1	(12) Expiration Date of Millage Authorized
Allocated	GEN OP	N/A	1.1160	.9925	.9872	.9797	1.0000	.9797		.9797	N/A
Voted	Fire Prot	08/03/21	3.1250	3.1250	.9872	3.0850	1.0000	3.0850		3.0850	12/2025
Voted	Fire Cap	05/08/18	.5000	.4881	.9872	.4818	1.0000	.4818		.4818	12/2022
Voted	Solid Waste	08/03/21	2.4050	2.4050	.9872	2.3742	1.0000	2.3742		2.3742	12/2025
Voted	Police	08/03/21	5.7000	5.7000	.9872	5.6270	1.0000	5.6270		5.6270	12/2025
Voted	Rec/BP	08/03/21	1.0059	1.0059	.9872	.9930	1.0000	.9930		.9930	12/2025
PA345	FPen/HC	N/A						.8100		.8100	N/A
								14.3607			

Prepared by	Telephone Number	Title of Preparer	Date
Javonna Neel	**(734) 544-3601**	**Accounting Director**	

CERTIFICATION: As the representatives for the local government unit named above, we certify that these requested tax levy rates have been reduced, if necessary to comply with the state constitution (Article 9, Section 31), and that the requested levy rates have also been reduced, if necessary, to comply with MCL Sections 211.24e, 211.34 and, for LOCAL school districts which levy a Supplemental (Hold Harmless) Millage, 380.1211(3).

	Signature	Print Name	Date
☒ Clerk ☐ Secretary	Heather Jarrell Roe	**Heather Jarrell Roe**	8-18-22
☐ Chairperson ☒ President	Brenda L. Stumbo	**Brenda L Stumbo**	8/18/22

** Under Truth in Taxation, MCL Section 211.24e, the governing body may decide to levy a rate which will not exceed the maximum authorized rate allowed in column 9. The requirements of MCL 211.24e must be met prior to levying an operating levy which is larger than the base tax rate but not larger than the rate in column 9.*

**** IMPORTANT:** See instructions on page 2 regarding where to find the millage rate used in column (5).

Local School District Use Only. Complete if requesting millage to be levied. See STC Bulletin 2 of 2022 for instructions on completing this section.

Total School District Operating Rates to be Levied (HH/Supp and NH Oper ONLY)	Rate
For Principal Residence, Qualified Ag., Qualified Forest and Industrial Personal	
For Commercial Personal	
For all Other	

Historical Millage Rates

BUDGET YEAR	2020	2021	2022	2023
TAX ROLL YEAR	2019	2020	2021	2022
Headlee Rollback	0.9899	0.9972	0.9891	**0.9872**
Fire Operating	3.0649	3.0563	3.1250	**3.0850**
Fire Capital	0.4949	0.4935	0.4881	**0.4818**
General Operating	1.0064	1.0035	0.9925	**0.9797**
Law Enforcement	5.8356	5.8192	5.7000	**5.6270**
BSR	0.9865	0.9837	1.0059	**0.9930**
Solid waste	2.1135	2.1075	2.405	**2.3742**
Total Operating	13.5018	13.4637	13.7165	**13.5407**
Fire Pension	1.3300	1.3300	1.1000	**0.8100**
Total Millage Levy	**14.8318**	**14.7937**	**14.8165**	**14.3507**

2023 TAX REVENUE BUDGET OVERVIEW

- Millage Levy and Budget Assumptions
- The fire pension and retiree health care millage was decreased from 1.1000 to .8100. This was due to the reduction in the annual required contribution to both the fire pension and other pension employee benefits (OPEB) health care.
- Headlee rollback is implemented when the annual growth on existing property is greater that the rate of inflation.
- The "Headlee Rollback" was .9872 for 2022 tax roll. This decrease affects all millages with the exception of fire pension.

2023 TAX REVENUE BUDGET OVERVIEW

- As reported on our L-4029 approved at the August 16, 2022 Board meeting.
- The 2022 taxable values (TV) of 1,594,376,599 was an increase of 5.3% over the 2021 TV of 1,509,688,440.
- Renaissance Zone are the properties and pilots with exemptions.
- The 2022 taxable values (TV) minus Renaissance Zone of 1,564,932,814 was a 5.7% increase over 2021 TV minus Renaissance Zone of 1,480,133,552.

2023 TAX REVENUE BUDGET OVERVIEW

- The 2023 budgeted tax revenues are based off of the 2022 TV of 1,594,376,599 minus the renaissance zone, 2008 & 2009 pilots, delinquent personal property, board of review adjustments and Local Development Finance Authority (LDFA) TV's. As calculated by the Accounting Director.

- The taxable value assumption of 1,548,535,588 was used for the 2023 tax revenue budget as calculated by the Accounting Director.

TV plus 50%IFT	1,594,376,599
Renaissance Zone	(27,107,585)
2008 & 2009 Pilots	(2,336,200)
Delinquent PPT	(3,900,000)
MTT, BOR, Foreclosures	(9,086,748)
LDFA	(3,410,478)
Total TV with assumptions	1,548,535,588

2023 TAX REVENUE BUDGET OVERVIEW

- Calculated Actual and Budget Tax Revenue Assumptions

Taxable Value	1,471,873,553	1,548,535,588
	2022 ACTUAL Revenue 2021 Tax Roll	2023 BUDGETED Revenue 2022 Tax Roll
Operating:		
General Fund	$1,460,835	$1,517,100
Fire	$4,599,605	$4,777,232
Fire Capital Improvement	$718,421	$746,084
Solid Waste	$3,539,856	$3,676,533
Law Enforcement	$8,389,679	$8,713,610
Parks and Bike Path	$1,480,558	$1,537,696
Fire Pension	$1,619,061	$1,254,314
TOTAL TAX REVENUES	$21,808,014	$22,222,570

2023 TAX REVENUE BUDGET OVERVIEW

- Calculation of total budgeted tax dollar amount received - Taxable value 1,548,535,588 x millage of 14.3507 / 1000 = $22,222,570.
- Administrative tax revenues are collected from property tax bills at 1% - does not include special assessments. The funds may only be used to offset expenditures of the Township's Assessment and Treasury Departments, which total over $959K.
- Administrative tax revenues for 2022 is $818,973 and budgeted amount for 2023 is $825,000.

2023 STATE SHARED REVENUE BUDGET OVERVIEW

- State Shared Revenue estimate for 2023 is $6,328,404 a 3.4 % decrease from the 2022 current State projection of $6,551,524.
- The budgeted amount for 2022 was a $5,472,062 projection at the time of budget approval. State increase of 20% to $6,551,524 at 7/29/22.
- The State Shared Revenue projections are issued by the State in 6 installments for their fiscal year October 1 to September 30. The Township is on a calendar year from January 1, to December 31.
- The State projected amount for FY 2022-2023 is $5,742,738 Constitutional and $585,666 for the CVT payments totaling $6,328,404.
- Constitutional Payment = 2020 Population x Distribution Rate (2023 projected at 103.156792.)

Expenditure Assumptions for all Funds

Personnel Wages

- TPOAM, Teamster, and 14B District Court Union employees 3% increase assumption budgeted for 2023. Teamster Union contract expires 12/2024. All other union contracts are currently in negotiations.
- Non union management increases are often determined by Teamster union increases. A 3% increase has been budgeted for 2023.
- Fire Union Increase – 3% Contract January 1, 2020 to December 31, 2023.
- Elected Officials salaries are set by Board every year.

Personnel Fringes

- Health Care Insurance – Estimated increase of 20% budgeted. Actual rate increase of 7.97% received on September 13th. We will adjust for final budget.
- Vision – No increase for 2023.
- Disability – No increase for 2023
- Life Insurance – No increase
- Dental– Estimated increase of 10% budgeted. We should receive rates by October and will adjust for final budget.

2023 General Employees MERS Pension

Township Contributions:

- Flat rate per Employee hired before 1/1/2014 – increased from $28,536 in 2022 to $32,101 in 2023 – this is due to the closed retirement account for new employees and employees retiring in 2021.
- Employees hired after January 1, 2014 – increased from 4.76% of wages for 2022 to 5.48% of wages in 2023. (Need to adjust budget from 4.76% to 5.48%)

MERS –Employer annual determined contribution (ADC) decreased from $895,068 in 2022 to $860,808 in 2023.

GENERAL MERS PENSION		
Liabilities and Assets - as of December 31, 2021	2020	2021
1. Actuarial Accrued Liability	26,870,179	28,781,184
2. Plan Assets	18,566,300	21,298,840
3. Unfunded Actuarial Accrued Liability (1) - (2)	8,303,879	7,482,344
4. Funded Ration (2)/(1)	69.10%	74.00%
	2022	2023
Annual Determined Contribution	895,068	860,808

Based on 12/31/2021 Actuarial Report provide by GRS

2023 General Employees
Other Postemployment Benefits -OPEB

OPEB Retiree Health Care – Annual Determined Contribution (ADC) Township Contributions:

- The ADC decreased 59.7% from $496,319 in 2022 to $200,000* in 2023.
- OPEB is closed and only employees hired before 1/1/2014 are eligible. The budget is $7,700 per 26 active employees. (Need to adjust budget from $8,333 to $7,700 per employee)

2021 Actuarial Report by GRS dated 12/31/2021:

Liabilities and Assets - as of December 31, 2021		
Assumed Investment Return	7.00%	6.50%
1. Present Value of Future Benefit Payments	$11,219,515	$11,879,424
2. Actuarial Accrued Liability	10,711,851	11,290,141
3. Plan Assets	10,033,296	10,033,296
4. Unfunded Actuarial Accrued Liability (2) - (3)	678,555	1,256,845
5. Funded Ration (3)/(2)	93.70%	88.90%
	2023	2023
*Annual Determined Contribution	109,224	*171,558

2023 General Employees
Other Postemployment Benefits -OPEB

Heath Care Savings Plan:

- Employees hired after 12/31/2013 are not eligible for retiree health care.
- A health care savings plan provided for employees hired after 1/1/2014. Township contribution $1,300 per employee. Total budgeted for 2023 for 56 positions is $72,800.

2023 FIRE PENSION

- The amount contributed to the pension in 2022 was $984,011 - was slightly higher than the annual determined contribution (ADC) due to an additional difference in the tax collected.
- Assumptions and methods used are still impacting increases. The investment return rate is 6.5%, the price of inflation is 2.5%, the wage inflation is 3% and an updated morality scale is being used in the calculations.

FIRE PENSION		
Liabilities and Assets - as of December 31, 2021	2020	2021
1. Actuarial Accrued Liability	37,396,930	37,495,148
2. Plan Assets	29,763,124	31,333,022
3. Unfunded Actuarial Accrued Liability (1) - (2)	7,633,806	6,162,126
4. Funded Ration (2)/(1)	79.59%	83.57%
	2022	2023
Annual Determined Contribution	975,040	876,661

Based on Actuarial Valuation Report dated 12/31/2021 - Nyhart

2023 FIRE Other Pension Employee Benefit

FIRE PENSION OPEB		
Liabilities and Assets - as of December 31, 2021	2020	2021
1. Actuarial Accrued Liability	12,624,186	11,061,385
2. Plan Assets	8,544,128	9,412,021
3. Unfunded Actuarial Accrued Liability (1) - (2)	4,080,058	1,649,364
4. Funded Ration (2)/(1)	67.68%	85.09%
	2022	2023
Annual Employer Contribution	700,000	
Annual Determined Contribution	648,118	366,182

- OPEB is closed and only employees hired before 1/1/2014 are eligible.
- Employee hired after 12/31/2013 are not eligible for retiree health care.
- A health care savings plan provided for employees hired after 1/1/2014. Township contribution is $5,330 per firefighter in 2023. Total budget of 15 firefighters for 2023 is $79,950.

Based on Actuarial Valuation Report dated 12/31/2021 - Nyhart

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON JR.

Civic Center
Supervisor's Office
7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 544-4000 ext. 6
Fax: (734) 484-0002
www.ytown.org

Charter Township of Ypsilanti

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Brenda Stumbo, Township Supervisor

Date: September 14, 2022

RE: Work Session discussion regarding Community Resource Center 2057 Tyler Road

We all know that we invest in the maintenance and improvements of township owned buildings. This summer Trustee Swanson, Trustee Peterson and I attended several meetings in West Willow at the Pavilion adjacent to the Community Resource Center and we all noticed the need for repairs and upgrades.

Dave Bellers and Mike Cromer our Building Officials, whom both have years of experience in new construction building and repair of homes, at my request went out and inspected the exterior of the building and made the following recommendations:

1. Replace roof and downspouts
2. Remove chimney when the roof is replaced
3. Replace windows and window sills
4. New Siding
5. Install westerly foundation wall or barrier to prevent ground hogs from going under the home. Install outside water faucet on the westerly side of home for easy access to the garden on west side.
6. Possibly central air versus large window air conditioner.
7. Replace exterior and storm doors, install security and new lock keypad access.

The request is that we proceed with #5 first and proceed with the other items dependent on available contractors.

The Police Services budget has a line item 266-301-931-012 for this building. Trustee Peterson, Trustee Swanson and I appreciate your consideration and look forward to the discussion.

REVIEW AGENDA

A. SUPERVISOR STUMBO WILL REVIEW BOARD MEETING AGENDA

OTHER DISCUSSION

A. BOARD MEMBERS HAVE THE OPPORTUNITY TO DISCUSS ANY OTHER PERTINENT ISSUES

Charter Township of Ypsilanti

7200 S. HURON RIVER DRIVE•YPSILANTI, MI 48197

SUPERVISOR BRENDA STUMBO • CLERK HEATHER JARRELL ROE • TREASURER STAN ELDRIDGE TRUSTEES: JOHN P. NEWMAN II • GLORIA PETERSON • DEBBIE SWANSON • JIMMIE WILSON, JR.

REGULAR MEETING AGENDA

TUESDAY, SEPTEMBER 20, 2022
7:00 P.M.

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE AND INVOCATION

3. PUBLIC HEARING

   A. 7:00PM – RESOLUTION 2022-12, 2022 SPECIAL ASSESSMENT LEVY
   (PUBLIC HEARING SET AT THE AUGUST 18, 2022 REGULAR MEETING)

4. PUBLIC COMMENTS

   - THREE MINUTES PER PERSON
   - ALL COMMENTS MUST BE ADDRESSED TO THE CHAIR
   - PUBLIC COMMENTS ARE ALSO WELCOME AS THE BOARD ADDRESSES EACH AGENDA ITEM

5. CONSENT AGENDA

   A. MINUTES OF THE AUGUST 16, 2022 WORK SESSION AND REGULAR MEETING

   B. STATEMENTS AND CHECKS

      1. STATEMENTS AND CHECKS FOR SEPTEMBER 6, 2022 IN THE AMOUNT OF $801,958.78
      2. STATEMENTS AND CHECKS FOR SEPTEMBER 20, 2022 IN THE AMOUNT OF $1,012,239.74
      3. CLARITY HEALTHCARE DEDUCTIBLE ACH FOR AUGUST 2022 IN THE AMOUNT OF $48,810.94
      4. CLARITY HEALTHCARE ADMIN FEE FOR AUGUST 2022 IN THE AMOUNT OF $1,357.88

   C. TREASURER'S REPORT AUGUST 2022

6. ATTORNEY REPORT

   A. GENERAL LEGAL UPDATE

OLD BUSINESS

1. 2ND READING OF ORDINANCE NO 2022-500, AN ORDINANCE TO AMEND CHAPTER 62, ARTICLE IV, SECTION 62-76 (a)(1) OF THE CODE OF ORDINANCES, CHARTER TOWNSHIP OF YPSILANTI, TO ADJUST WATER SERVICE RATES
   (1ST READING HELD AT THE AUGUST 18, 2022 REGULAR MEETING)

2. 2ND READING OF ORDINANCE NO 2022-501, AN ORDINANCE TO AMEND CHAPTER 62, ARTICLE IV, SECTION 62-76 (a)(1) OF THE CODE OF ORDINANCES, CHARTER TOWNSHIP OF YPSILANTI, TO ADJUST SEWAGE DISPOSAL RATES
(1ST READING HELD AT THE AUGUST 18, 2022 REGULAR MEETING)

NEW BUSINESS

1. RESOLUTION 2022-13, ROAD CLOSURE REQUEST FOR CALVARY BAPTIST CHURCH FALL FESTIVAL

2. REQUEST APPROVAL OF THE CONTRACT WITH THE NATIONAL KIDNEY FOUNDATION OF MICHIGAN TO OFFER ENHANCE FITNESS CLASSES AT THE COMMUNITY CENTER FOR 2022

3. REQUEST AUTHORIZATION TO APPROVE THE SALE OR REMOVAL OF EXCESS TOWNSHIP EQUIPMENT

4. RESOLUTION 2022-10, MICHIGAN DEPARTMENT OF NATURAL RESOURCES LAND AND WATER CONSERVATION FUND PROJECT AT COMMUNITY CENTER PARK

5. REQUEST APPROVAL OF THE MICHIGAN DEPARTMENT OF NATURAL RESOURCES LAND AND WATER CONSERVATION FUND DEVELOPMENT PROJECT AGREEMENT FOR COMMUNITY CENTER PARK

6. REQUEST TO APPROVE A LETTER OF AGREEMENT WITH SPICER GROUP FOR PROFESSIONAL SERVICES FOR THE COMMUNITY CENTER PARK UPDATES IN THE AMOUNT OF $52,000.00 BUDGETED IN LINE ITEM #213-901-975-520 CONTINGENT UPON APPROVAL OF THE BUDGET AMENDMENT

7. REQUEST APPROVAL OF A MAINTENANCE AGREEMENT WITH RELEAF FOR TREES TO BE PLANTED AT SUGARBROOK PARK

8. REQUEST APPROVAL OF CHANGE ORDER #3 WITH STANTEC FOR THE LOONFEATHER POINT PARK RENOVATION IN THE AMOUNT OF $5,000.00 BUDGETED IN LINE ITEM #213-901-975-587

9. RESOLUTION 2022-15, MICHIGAN DEPARTMENT OF NATURAL RESOURCES LAND AND WATER CONSERVATION FUND PROJECT AT CLUBVIEW PARK

10. REQUEST APPROVAL OF THE MICHIGAN DEPARTMENT OF NATURAL RESOURCES LAND AND WATER CONSERVATION FUND DEVELOPMENT PROJECT AGREEMENT FOR CLUBVIEW PARK

11. REQUEST APPROVAL OF A LETTER OF AGREEMENT WITH SPICER GROUP FOR PROFESSIONAL SERVICES FOR THE CLUBVIEW PARK IMPROVEMENTS IN THE AMOUNT OF $47,000.00 BUDGET IN LINE ITEM #213-901-974-026 CONTINGENT UPON APPROVAL OF THE BUDGET AMENDMENT

12. REQUEST APPROVAL TO FUND THE FRIENDS IN DEED COMMUNITY MURAL PROJECT LOCATED AT 1196 ECORSE RD. IN THE AMOUNT OF $14,500.00 BUDGETED IN LINE ITEM #101-729-969-010

13. RESOLUTION 2022-14, AUTHORIZING THE WATER RESOURCE COMMISSIONER TO EXCEED THE STATUTORY SPENDING AND ASSESSMENT LIMIT OF $5,000.00 PER YEAR FOR THE MAINTENANCE AND REPAIR OF THE SOUTH FORD LAKE DRAIN

14. BUDGET AMENDMENT #12

AUTHORIZATIONS AND BIDS

1. REQUEST TO SEEK BIDS FOR ROOF SAFETY IMPROVEMENTS AT THE YPSILANTI TOWNSHIP COMMUNITY CENTER

2. REQUEST TO SEEK BIDS FOR BUILDING IMPROVEMENTS FOR THE PARKS AND GROUND MAINTENANCE BUILDING

OTHER BUSINESS

BOARD MEMBER UPDATES

PUBLIC HEARING

CHARTER TOWNSHIP OF YPSILANTI

RESOLUTION NO. 2022-12

SPECIAL ASSESSMENT LEVY

WHEREAS, the Charter Township of Ypsilanti Board of Trustees, on September 20, 2022 held a public hearing on the proposed special assessment roll prepared by the Deputy Assessor, a copy of which is on file in the Clerk's Office, after advertising the same in a newspaper of record in the Township, and;

WHEREAS, on September 20, 2022 the Ypsilanti Township Board heard comments on said proposed special assessment roll prepared by the Deputy Assessor.

NOW THEREFORE, BE IT RESOLVED that the proposed special assessment roll prepared by the Assistant Assessor for the Charter Township of Ypsilanti be adopted and the amounts set forth on the special assessment roll be levied on the 2022 Winter Tax Roll.

PUBLIC ACT 188 OF 1954 PROCEEDINGS
CHARTER TOWNSHIP OF YPSILANTI
WASHTENAW COUNTY, MICHIGAN
NOTICE OF PUBLIC HEARING
ON SPECIAL ASSESSMENT ROLL

PLEASE TAKE NOTICE that the Supervisor and Assessing Officer of the Township has reported to the Township Board and filed in the Office of the Township Clerk for public examination a special assessment roll prepared by the Assessor covering all properties within the Special Assessment Districts benefited by the districts listed below.

PLEASE TAKE FURTHER NOTICE that the Assessing Officer has further reported that the assessment against each parcel of land within said district is such relative portion of the whole sum levied against all parcels of land in said district as the benefit to such parcels bears to the total benefit to all parcels of land in said district.

PLEASE TAKE FURTHER NOTICE that the Township Board will hold a public hearing at the *Ypsilanti Township Civic Center, 7200 S. Huron River Drive, Ypsilanti, MI* on **September 20, 2022**, for the purpose of reviewing said special assessment roll and hearing any objections thereto. Said roll may be examined at the office of the Township Clerk during regular business hours of regular business days until the time of said hearing and may further be examined at said hearing. Appearance and protest at the hearing held to confirm the special assessment roll is required in order to appeal the amount of the special assessment to the Michigan Tax Tribunal.

An owner, or partner in interest, or his or her agent may appear in person at the hearing to protest the special assessment, or shall be permitted to file his or her appearance or protest by letter and his or her personal appearance should not be required. (The owner or any person having an interest in the real property who protests in person or in writing at the hearing may file a written appeal of the special assessment with the Michigan Tax Tribunal within 30 days after the confirmation of the special assessment roll.

THE FOLLOWING ARE THE PROPOSED SPECIAL ASSESSMENT ROLLS TO BE LEVIED ON THE 2022 WINTER TAX ROLL

SPECIAL ASSESSMENT	CODE
Sherman Oaks Water	051

SECURITY CAMERA SPECIAL ASSESSMENTS

DISTRICT	CODE
Sugarbrook	060
Thurston Area	062
Bud- Blossom Area	064
Huron Heights/ Huron Ridge	068
Manors at Creekside Village	070
Ponds at Lkwd- Maj Pond	072
Cliffs Condos	074
Village Grove Apartments	076

DISTRICT	CODE
West Willow	061
Apple Ridge Area	063
Holmes Rd Area	066
Creekside Village South	069
Lakewood- Majestic Lks	071
Redwood/ Nautica Pt Apts.	073
Crystal Ponds	075

STREET LIGHT SPECIAL ASSESSMENTS

DISTRICT	CODE
Shady Knoll 1-6	101
West Willow #1	104
Hickory Hill	107
Nancy Park #7	111
Onandaga Street	114
Washtenaw Concourse	117
Ivanhoe Area	120
Hunt/Hollis	123
Debby Court	126
Johnson Place	130
Washtenaw Clubview	133
Huron Commercial	136
Hayes Street	139
Streamwood 1-7	142
Bagley Street	148
Streamwood #8	151
Golf Estates	154
Russell St	157
Whispering Meadows #1	160
Partridge Creek 2&3	164
Preserves	167
Wash Clubview	170
Greene Farms #3	173
Tyler Rd	176
Tremont Park #1	179
Greene Farm 5	182
Greenfields 2 & 3	185
Huron Meadows	188
Gates Ave	193
Bradley Ave	197
Creekside East	201
Firwood Area	204
Lakeview #2	207
Creekside Village West #2	211
Lakewood- Majestic Lakes	214
Ponds at Lkwd/ Maj Pds-2	217
Village Grove Apartments	221

DISTRICT	CODE
Nancy Park 1-3	102
Ypsi Twp Area	105
Washtenaw Orchard	108
Rambling Road	112
West Willow Dist 3	115
Delaware Street	118
Oswego/Cayuga	121
Turtle Creek	124
Lynne Street	127
Huron Hearthside	131
Oakland Estates #3	134
Crestwood Sub	137
Ford Lake Village	140
Deauville Parrish	146
Partridge Creek #1	149
Smokler Textile	152
Ohio St 2000	155
Dakota	158
Amberly Grove	162
Partridge Creek North	165
S Ivanhoe St	168
Taft Ave	171
Greene Farms #4	174
Washtenaw Bus Park	177
Tremont Park #2	180
Greene Farm 6	183
Greene Farms #7	186
Rivergrove	189
Fairway Hills	194
Creekside West	198
Lakeview Area	202
Bradley St	205
Tremont Park Sub	208
Manors of Creekside Village	212
Ponds at Lkwd-Maj Ponds	215
Majestic Lks & Estates	218

DISTRICT	CODE
Nancy Park 5-6	103
West Willow #2	106
Washtenaw Ridge	109
Hickory Hill #1	113
S. Devonshire	116
Washtenaw CC #4	119
Hawthorne Street	122
Turtle Creek 2	125
West Willow 10&11	129
Oakland Estates	132
Brookside Street	135
Kansas St	138
Ford Lake Village #2	141
Spruce Falls	147
Georgetown Condos	150
Greene Farms #1 & #2	153
N. Kansas	156
Paint Creek Farms	159
Greenfields #1	163
Campbell St	166
Clubview Sub	169
Devonshire & Oregon	172
Raymond Meadows	175
Whittaker Village	178
Kirk St	181
Woodlawn St	184
Whispering Meadows	187
Aspen Ridge	191
Washtenaw Clubview	196
Creekside South	199
Majestic Lake	203
136- 177 Conversion	206
Turtle Creek #2	209
Creekside Village South #2	213
Redwood/ Nautica Pt Apts	216
Crystal Ponds	219

HEATHER JARRELL ROE, CLERK
Charter Township of Ypsilanti

The Ypsilanti Township Board will provide necessary reasonable auxiliary aids and services to individuals with disabilities requiring auxiliary aids or services. Individuals should contact the Ypsilanti Township Board by writing or calling the following: HEATHER JARRELL ROE, CLERK, 7200 S. Huron River Drive, Ypsilanti, MI 48197, PHONE: (734) 484-5156 or E-MAIL: hjarrellroe@ytown.org

PUBLIC COMMENTS

CONSENT AGENDA

CHARTER TOWNSHIP OF YPSILANTI
MINUTES OF THE AUGUST 16, 2022 WORK SESSION

Supervisor Stumbo called the meeting to order at approximately 5:04pm in the Ypsilanti Township Civic Center Board Room, 7200 S. Huron River Drive, Ypsilanti Township.

Members Present: Clerk Heather Jarrell Roe and Treasurer Stan Eldridge
Trustees: John Newman II, Gloria Peterson, and Debbie Swanson and Jimmie Wilson Jr.

Members Absent: Supervisor Brenda Stumbo

Legal Counsel: Wm. Douglas Winters

PUBLIC COMMENTS

There were no public comments given.

AGENDA

1. **AUDITED FINANCIAL REPORT……..…..RANA EMMONS**
2. **LICENSE PLATE READERS……WASHTENAW COUNTY SHERIFF**
3. **YCUA WATER AND SEWER RATE CHANGES……..……..LUTHER BLACKBURN**
4. **AGENDA REVIEW……SUPERVISOR STUMBO**
5. **OTHER DISCUSSION……BOARD MEMBERS**

AUDITED FINANCIAL REPORT…….…..RANA EMMONS

Rana Emmons gives the following report on the audited financial statement “Tonight we are reviewing the audited financial statement for the Charter Township of Ypsilanti as of December 31 2021. It is an unmodified opinion, which is the highest level of audit opinion possible. So in layman's terms, a clean audit opinion, no disclaimers, exceptions.” She continues that there is nothing bad to report this evening and will just give a few

highlights. Starting off property tax or taxable values this year were up 3.8%, it's very similar to the year before and very consistent. The state shared revenue went up this year significantly, almost 13% and that, of course is from the sales tax and income tax that the state collects. The funds are then distributed down to the local units, such as the township. The state did the 2020 census adjustment, that's part of the whole formula on state shared revenue. So you will see a slight bump next year. The general fund ending fund balance is 7,976,000. The building department saw an increase in revenue this year from the prior year. That just kind of gives you an indicator of how much activity is going on building wise in within the township from year to year. That went up about 16% over the prior year and that indicates a lot of activity in fiscal year 21. New this year in the financial statements is the American rescue plan Act funds. We received the first installment of two in fiscal year 21, the Township will receive the second one in fiscal year 2022. We have recorded it as in a separate fund. So it'll be easy to see the funds and track the activity of how that's spent in the township. General Fund did come in under budget this year at $945,000 under expenditures. The fire department added $566,000 to their fund balance, but also of note is that now the there's a separate fire capital fund for your fire capital millage. The township paid down $790,000 in debt this year. That's principal paid and no new debt this year. Lastly, the pension funds, the net pension liability decreased $916,000 this year, and the township had strong net investment income in the pension plan this year. Rana concludes the synopsis and asks if there are any questions.

Trustee Newman thanks Rana Emmons and Accounting Director Javonna Neel for their time and attention to his previous inquiries.

LICENSE PLATE READERS……WASHTENAW COUNTY SHERIFF

Derrick Jackson from Washtenaw County Sheriff's Office (WCSO) explains Chef Claytons memo regarding License Plate Readers (LPR). He begins by explaining that he is here today to add a little context, some clarity, to speak to some of the facts around how the WCSO would or would not use a technology should the township choose to move forward with the project. He described that he would also be talking about the values that really drove that decision. He continued by saying that "wanted to say that state something that I think is pretty obvious, hopefully to most people, is that license plate readers alone by themselves, or police, for that matter, are not the answer to the root cause of violence in our streets. I think that we all know that. But it's important that

we talk about that, that we understand that there are long term investments in community that need to be made, that there are community driven strategies that have to really attack this issue. That is crime or violence in our neighborhood. The sheriff often says that crime is not a police problem, right? We're one of the tools that helps to deal with crime. But it's not a police problem. It's a community problem. And so it's important that we have that context." Derrick goes on to explain the community engagement that was done, acknowledging that it sometimes seems like it takes too long and that it may seem really difficult to engage the community in conversations however, it makes a lot of sense for the WCSO because it's all about principle based decisions. It comes back to the principles that the sheriff set out in his original community educational series several weeks ago. LPRs were brought up by the sheriff and the idea or the notion of using LPR's to him had some strategic advantages. The technology can be used to do some good things around solving crimes faster, potentially getting criminals off the street, and lowering the potential rate of retaliation. Just in the time that the WCSO started these conversations around LPR's and the LPR community engagement strategies, the sheriffs office found there were four very serious crimes in our community that were solved, thanks to LPR's being used by some of the communities around us. There was a murder in the community where everyone watched a man die on social media, but what they don't know is that part of what allowed law enforcement to arrest the person responsible was license plate readers down in Georgia. That helped bring him back to Michigan and he is now sitting in the Washington County Jail. Additionally there was a carjacking, and there was another attempted murder. Lastly a home invasion that happened where the three teenagers broke into the lady's house when she was asleep, stole the car and lots of people know because it burst into flames at the end of that situation. The part that a lot of people don't know is that as deputies saw that stolen vehicle, and initiated a traffic stop, the teenagers fled, and the police began to pursue. Then when the vehicle fled towards Van Buren Township, which has license plate readers, the police officers were able to call off the pursuit because the deputy knew that technology was next door. There was no need to continue to pursue all they did was call over to Van Buren give the license plate number and the technology did its work. Van Buren was able to identify where the vehicle was.

Derrick continues to explain that it's also really important to point out that the sheriff was just as clear on the constitutional considerations of how technology like this could be used in a very negative way. To focus disproportionately on communities of color, to focus on poor neighborhoods to focus on a specific neighborhood, in a particular part of the township. That license plate readers and our research, I think what a lot of people know, in patrol cars can be just damaging to communities. Some types of LPR's that are within the patrol cars have been known to become what some people will call as a poor tax by way of using it to ticket and fine people in lower income areas of the community.

That is not what is being talked about or considered here today. The things that we are talking about is something very different.

Mr. Jackson continues by explaining that the Sheriff and Supervisor Stumbo agreed that before any decisions were made, that community engagement needed to be done. Those events were not about us convincing the community that this technology was good or bad. Through the engagement a lot was learned. The WCSO heard the community loud and clear when they said they did not want license plate readers to be used for minor traffic citations and so the policy is reflective of that. We heard people loud and clear when they expressed that they didn't want license plate readers to be used for immigration enforcement, for minor crimes, or for traffic citations. It was also heard very loud and clear though, that people are really concerned about the rise of violence in our community and that people want things done. Yes, the community needs long term solutions so that people don't feel like they need to pick up a weapon or to carjack someone or robbed them or break into their home, but they also expressed that they want immediate solutions. WCSO heard the community say they do not want specific neighborhoods targeted and the WCSO agrees 100%, the technology would not be used to target specific neighborhoods or geographic areas of the township. The engagement sessions also heard a lot of people talking about if the private companies can share information and your data with non-law enforcement related activities and the WCSO won't do that. I is an important thing to point out. The WCSO understands that for some people, regardless of what is said, regardless of what the policy is, trust is a major issue. For those who don't know, for over a decade now, the sheriff's office here in partnership with the township has used video camera technology spread across the township in a very similar way. Different technology, but still camera technology. In using a video camera technology, there would not be a deputy watching those cameras 24/7. It would also only be used for major crimes. If the township was to install the LPR system in alignment with these values, and this limited scope, the sheriff would allow deputies to utilize the technology, if you follow these values of the draft policy that people have seen. There is a community engagement report that was developed for the sheriff that will be available and public in a few days. Mr. Jackson asks if there are any questions.

Trustee Newman asked if there would be a monthly report available.

Mr. Jackson responded by explaining that there would be regularly occurring public reports.

Trustee Peterson asked about how many people attended the neighborhood watch meetings that the WCSO presented at. Mr. Jackson responded that it was hard to say but that they were well attended. Beyond that, the office also had lots of calls and individual conversations.

Trustee Peterson followed up with a question about the 30-day data capture, and how that capture could continue to 90 days if needed, as explained before.

Mr. Jackson begins by explaining the context of the question, so people know what is being talking about. The license plate readers only capture the license plate that is put in there, right. Therefore, the license plates are active at all times. However, the officers have to put a specific plate in, and then it starts looking for that specific plate. Therefore, it is not looking for your plate if you are not involved in a crime. From there it has stored in there automatically for 30 days, and then automatically deleted. However, you can imagine that there may be cases that go on for longer than 30 days, just like the video camera system we have now when we need to keep that and retain that evidentiary information for longer. So we can manually go in if needed related to the case and keep that for longer than 30 days if we need to.

Trustee Peterson follows up with asking how we can be assured or see that those 30 day automatic deletions are happening as intended, and if the policy would be available to the public at all times?

Jackson explained that this would be a particular thing that would have to be discussed with a vendor that was selected, if this moves forward. The policy is currently on the website and will be there for the public at all times.

Trustee Swanson thanked Mr. Jackson for the presentation and then asked if it would be possible to have a community oversight committee, and a question about cooperation between the municipalities and the sheriff's office. For example, if a community did not want LPR's to be used, if the WCSO would work in cooperation with that municipality to ensure that there was cooperation and collaboration about that as well as other policies.

Mr. Jackson agreed that the WCSO current community oversight committee would be a good suggestion. He further explained that if a municipality did not want to use LPR technology to solve crime, which would be their choice. The WCSO would be bound to follow the policy in place for the department.

Trustee Wilson says that most of his questions would be for a potential vendor but also has concerns if the Sheriff was ever not there, if a new Sheriff was elected, what would happen then.

Mr. Jackson explained that the last 14 years of his work and the principle-based policies in place are strong in a way that a new sheriff would not just be able to change them and undo all of that established work overnight.

Clerk Jarrell Roe clarified that these would not be used for minor traffic violations, expired tags, things of that nature. Clerk Jarrell Roe asked about the training for officers and how they would ensure proper education around the policy and technology.

Mr. Jackson confirmed that they would not be used for minor violations, in line with the policy, and that training would occur for officers.

Supervisor Stumbo asked how the WCSO handles “be on the lookout” calls at this last week’s police services meeting and was surprised to hear that the current practice includes anything from writing it down on a paper in your pocket or having a piece of paper with the numbers on the dash board to look at while driving. She asked Mr. Jackson if he could explain this, any further.

He explained that current practice varies and that with this type of technology it would streamline that practice as well as actually reduce contact with police officers. They would be able to more accurately locate a care and not rely on their hand written notes, and eyes at nighttime, but rather the technology doing its job and correctly identifying a car.

Supervisor Stumbo continued by asking how they respond currently when another community sends out a message, how is that relayed to the officers on duty?

Mr. Jackson explained that there is a number of ways that the deputy can get it, they can get it at briefing, maybe the shift prior to them arriving on shift has a specific vehicle that was stolen or they are looking for.

Supervisor Stumbo asks when and how the township would be notified of a “be on the lookout?”

Mr. Jackson explains that it depends on what the incident is and where it is going, or potentially headed.

Supervisor Stumbo asked about the shooting that occurred during the day in West Willow, and how they were able to locate the suspect in Georgia.

Mr. Jackson states that because that case is still going on he could not go into much detail but in short, the plate number was put out into a larger network and captured in Georgia.

Supervisor Stumbo asked if the department had looking into other places LPR policies.

Mr. Jackson explained that he did not, but also other police departments may have different values and principles.

Supervisor Stumbo adds that a woman who was killed in Van Buren, the suspect was captured because of their LPR technology. She adds that the 14-Point presentation given at the County Board of Commissioners on how to address the violence, and specifically the shooting, they said that 85% of it is retaliation. She clarifies that she heard this technology could help remove the person sooner, which helps with the retaliation.

Mr. Jackson confirms that, that could be true and help reduce retaliation and that retaliation is 85% of the gun violence we see in the community.

Supervisor Stumbo asks if the survey taken will be made public and points out that there was no limit, on how many times one person could take the survey, if they were township residents and a few other flaws in the metrics used. Mr. Jackson acknowledges the flaws in the metrics used and states that it will be made public in the next few days.

Treasurer Eldridge adds that there's been a lot of discussion and back and forth about what an LPR system reduce crime and that it is impossible to quantify what didn't happen, because you have a

System. He asked if Mr. Jackson was aware, and if he could explain the benefits seen at a large apartment complex on the west side of the township, and how the number of crimes there has significantly reduced since using the LPR technology.

Mr. Jackson explains that he was not the best person to speak on that particular area and the numbers.

Supervisor Stumbo concludes by stating that transparency and accountability is very important in every process that we do and that having correct information is necessary. The township has been waiting for a presentation and to hear more information, and that the discussion was helpful. Supervisor Stumbo opens up questions for the public to Mr. Jackson. There were a number of questions and comments given by area residents, some from the township and some from out of the township. Supervisor Stumbo explained that the board would keep residents informed and come back with answers to any specific questions that were raised.

YCUA WATER AND SEWER RATE CHANGES……..LUTHER BLACKBURN

Luther Blackburn, Director of YCUA explains the water and sewer rate proposal, and states that the YCUA board and Ypsi City council still needs to meet to approve as well. Included in the board packet is a breakdown of the details of the increase in the water bill for a township resident it is approximately $3.81 and that is based upon an average usage of 10 units of water. Mr. Dwayne Harrigan. Finance Director is here as well and is available to answer any questions or details regarding the YCUA budget. The main drivers behind the 4% increase in water and sewer rates is of course a recovery for the water department from COVID. It had a significant impact on water usage within the department. Definitely rising inflation 40 year record highs, impact costs for fuel utilities such as electricity and natural gas for the plant.

Trustee Newman explains that he noticed Ann Arbors rate increase was higher, as well as other communities and thought that the YCUA request was reasonable.

Clerk Jarrell Roe asks a clarifying question regarding the pass through in our current ordinance that would cover the Great Lakes Water Authority pass through cost, and wanted to understand if this proposal was beyond that amount, and if everyone was aware of that language in the ordinance.
Mr. Blackburn states that is correct. The proposal this year for consideration is an increase that is above that increase. Therefore, the increase from Great Lakes a year was 3.1%. We are proposing a 4% water increase. Therefore, nine tenths higher than that of the Great Lakes water increase.

Mr. Blackburn was asked what would happen if the increase was not voted in it and he explained that, we would force us to go back and make some very difficult decisions. These are dollars are need to maintain and provide the level of service that this utility does very well and above and beyond what other utilities do. Our rates especially within the township are extremely competitive. Mr. Blackburn explains that he would really like to avoid making those extremely difficult decisions regarding the levels of service that we provide to the community.

Trustee Peterson, who sits on the YCUA Board on behalf of the township, explains that YCUA has had some very large unexpected projects this past year, that included a large amount of overtime costs and material costs, but the work had to be done. She also explained that the cost of chemicals have gone up significantly. She explains that we always try to keep rates low and have done a good job of that in the past. She asks if our rates are still lower than other communities are.

Mr. Blackburn confirms that our rates are very competitive.

Trustee Swanson thanks Mr. Blackburn and Mr. Harrington for coming to us and giving us information. I know that earlier, you have come to the board and talked about some

infrastructure and bonding. Trustee Swanson expressed that she would be interested in learning more about how infrastructures is lumped into this increase. I would be interested in learning more specifically about that, because I know that you have been in front of us before us before talking about how we were planning for that infrastructure and would like to understand exactly how those different costs sparse out in the increase.

Mr. Blackburn explains that the budget highlight document in the packet is a quick summary of some of the capital projects that YCUA is planning to perform in the next fiscal year. Upgrades to multiple water pump stations, a project at the wastewater treatment plant for the odor control system. The probable cost of those projects are listed in that highlight document that's part of the board packet. And all those projects, I can come back and do a presentation but they're readily available on YCUA's website that are part of what's called our drinking water revolving fund project plan and State Revolving Fund project plan. Typically, for the next three to five years, we submit those to the state of Michigan for consideration and loan forgiveness and low interest loans. It is a component of the reason for the rate increase the rate increase is a portion of the debt payments that we have to pay for the projects that we have performed, and consideration of the projects that are coming up in this next fiscal year. It does not cover all the projects that are listed out in the next three to five years.

Mr. Blackburn continues to explain the costs for chemicals typically are centered on sodium hypochlorite. Since the pandemic, the access to raw material chlorine has become extremely difficult. We normally would procure a one-year contract with vendors after a bid process. We are currently unable to even procure a one-year contract. We are currently only working on quarterly prices that they can hold firm. So typically chlorine we are seeing prices 30 40% higher than we have in the past. Other increasing costs, of course, electricity.

Supervisor Stumbo apologizes and explains that we only have a few minutes before the regular meeting starts. She expresses that she has questions and wants to understand how much of the 4% increase is going for the projects. What is specifically going towards the sewer and water rate and has concerns about the ready to service rate because residents can control and control their budget by how many units they use, but that readiness to serve fee is not something they can control. It is around $16.80 and $16.09 every bill regardless of water used.

The Work Session meeting was adjourned at approximately 6:58pm.

Respectfully Submitted,

Heather Jarrell Roe, Clerk
Charter Township of Ypsilanti

CHARTER TOWNSHIP OF YPSILANTI
MINUTES OF THE AUGUST 16, 2022 REGULAR BOARD MEETING

Supervisor Brenda Stumbo called the meeting to order at approximately 7:00pm in the Ypsilanti Township Civic Center Board Room, 7200 S. Huron River Drive, Ypsilanti Township. The Pledge of Allegiance was recited followed by a moment of silent prayer.

Members Present: Supervisor Brenda Stumbo, Clerk Heather Jarrell Roe and Treasurer Stan Eldridge
Trustees: Gloria Peterson, John Newman II, Debbie Swanson and Jimmie Wilson, Jr.

Members Absent: None

Legal Counsel: Wm. Douglas Winters

2. PUBLIC COMMENTS

Six public comments were given.

3. CONSENT AGENDA

A. MINUTES OF THE JULY 19, 2022 WORK SESSION AND REGULAR MEETING

B. STATEMENTS AND CHECKS

1. **STATEMENTS AND CHECKS FOR AUGUST 2, 2022 IN THE AMOUNT OF $1,390,191.50**
2. **STATEMENTS AND CHECKS FOR AUGUST 16, 2022 IN THE AMOUNT OF $904,244.87**
3. **CLARITY HEALTHCARE DEDUCTIBLE ACH FOR JULY 2022 IN THE AMOUNT OF $58,149.50**
4. **CLARITY HEALTHCARE ADMIN FEE FOR JULY 2022 IN THE AMOUNT OF $1,282.95**

A motion was made by Clerk Jarrell Roe and supported by Trustee Wilson to approve the consent agenda.

The motion passed unanimously.

ATTORNEY REPORT

A. GENERAL LEGAL UPDATE

Attorney Winters detailed the latest in the case involving the Gault Village shopping center. He stated a hearing is scheduled for August 19, 2022 to order the owner to demolish the building or, if they refuse, to give the township authority to have it demolished.

Attorney Winters discussed Lynx-DX, the COVID testing site currently located at the old Walmart building on Ellsworth. He stated Pastor Crout of New Covenant Baptist

church had agreed to let the testing site re-locate to the church parking lot, which is located in West Willow. He added the temporary use permit for Lynx-DX expires and they will need to reapply to the ZBA. Attorney Winters stated that all information for the possible re-location to New Covenant Baptist Church had been given to Washtenaw County and Lynx-DX, but no one has contacted Pastor Crout to discuss.

NEW BUSINESS

1. REQUEST TO APPROVE PROFESSIONAL SERVICES FROM ERNAT CONSULTING TO SUBMIT TWO GRANTS ON BEHALF OF YPSILANTI TOWNSHIP IN THE AMOUNT OF $14,000.00 BUDGETED IN LINE ITEM #101-272-801-000

A motion was made by Clerk Jarrell Roe and seconded by Treasurer Eldridge to approve professional services from Ernat Consulting to submit two grants on behalf of Ypsilanti Township in in the amount of $14,000.00 budgeted in line item #101-272-801-000 (see attached).

Supervisor Stumbo stated this is to have Ernat Consulting submit a grant for North Bay Park and another for soil erosion at Loonfeather and Ford Lake Park.

Beth Ernat stated that she and her husband had a combined fifty years of experience in municipal government and economic development. She added that in her last position she had brought in approximately $7,000,000.00 in grant funding.

Trustee Swanson stated that she was concerned the grant request for North Bay Park was not enough to do everything needed including the walkway. Ms. Ernat explained that multiple grants could be applied for to reach the amount needed and that was something they had done with the grants on the agenda tonight for the recycling carts.

The motion carried unanimously.

2. REQUEST TO AUTHORIZATION TO APPROVE RECYCLING AND ORGANICS INFRASTRUCTURE GRANT AGREEMENT WITH THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL, GREAT LAKES AND ENERGY (EGLE)

A motion was made by Clerk Jarrell Roe and seconded by Trustee Swanson to approve the Recycling and Organics Infrastructure Grant Agreement with the Michigan Department of Environmental, Great Lakes and Energy (see attached).

Michael Hoffmeister, Residential Services Director, stated that the next three items on the agenda were grant approval requests for purchasing recycle carts. He added the three grants total $863,830.00 to purchase and implement recycling carts for single family homes in the township.

The motion carried unanimously.

3. REQUEST TO APPROVE THE GRANT AGREEMENT WITH THE RECYCLING PARTNERSHIP (TRP)

A motion was made by Trustee Wilson and seconded by Treasurer Eldridge to approve the grant agreement with the Recycling Partnership (TRP) (see attached).

Trustee Swanson thanked Mr. Hoffmeister for the work done on this project. She added that it is great that residents who currently rent the carts will be getting a refund. She added that she thinks there could be some growing pains as people adjust to using another large bin for recycling.

Trustee Peterson asked how the old containers would be collected and how renters would be reimbursed. Mr. Hoffmeister stated that renters will have to call Waste Management to cancel their rental and Waste Management would then collect the cart and issue the refund.

The motion carried unanimously.

4. REQUEST AUTHORIZATION TO APPROVE THE MEMORANDUM OF UNDERSTANDING FOR A WASTE REDUCTION SPONSORSHIP WITH WASHTENAW COUNTY GOVERNMENT

A motion was made by Clerk Jarrell Roe and seconded by Trustee Swanson to approve the Memorandum of Understanding for a Waste Reduction Sponsorship with Washtenaw County Government (see attached).

The motion carried unanimously.

5. REQUEST AUTHORIZATION TO APPROVE THE MICHIGAN NATURAL TRUST FUND AGREEMENT AMENDMENT

A motion was made by Treasurer Eldridge and seconded by Clerk Jarrell Roe to approve the Michigan Natural Trust Fund Agreement Amendment (see attached).

Michael Hoffmeister, Residential Services Director stated this is an amendment to extend the project agreement for Loonfeather Park that expires August 31, 2022.

The motion carried unanimously.

6. REQUEST AUTHORIZATION TO WAIVE SECTION 3.2.6.4 OF THE TOWNSHIP FINANCIAL POLICY AND TO PURCHASE 15,250 RECYCLE CARTS FROM CASCADE CART SOLUTIONS FOR $880,287.50 BUDGETED IN LINE ITEM #220-901-978-060.

A motion was made by Clerk Jarrell Roe and seconded by Trustee Wilson to authorize waiving section 3.2.6.4 of the Township Financial Policy and to purchase

15,250 recycle carts from Cascade Cart Solutions for $880,287.50 budgeted in line item #220-901-978-060.

Michael Hoffmeister, Residential Services Director stated the township had worked twice previously in the past with Cascade Cart Solutions and they are very familiar with our township.

The motion carried unanimously.

7. REQUEST TO APPROVE NEW TOWNSHIP LOGO BRAND STANDARDS

A motion was made by Treasurer Eldridge and seconded by Clerk Jarrell Roe to approve the new township logo brand standards.

Michael Hoffmeister, Residential Services Director, detailed the process of creating the new logo and stated it wouldn't be rolled out until our new website is ready to go.

Discussion continued on the logos.

The motion carried unanimously.

8. REQUEST AUTHORIZATION TO APPROVE CE SERVICES BUDGET AMENDMENT REQUEST WITH OHM FOR $14,300.00 FOR THE HURON STREET TRAIL PROJECT BUDGETED IN LINE ITEM #213-901-986-009.

A motion was made by Trustee Peterson and seconded by Treasurer Eldridge to approve a CE Services budget amendment request with OHM for $14,300.00 for the Huron Street Trail Project budgeted in line item #213-901-986-009.

Michael Hoffmeister, Residential Services Director stated that this is for changes that have taken place for the Huron Street Trail Project and that some additional engineering services needed to be completed.

The motion was carried unanimously.

9. REQUEST TO APPROVE MID AMERICAN GROUP OF NEWPORT MICHIGAN TO PROVIDE SERVICES LISTED IN QUOTE IN THE AMOUNT OF $27,500.00 AND SOLOMAN DIVING OF MONROE MICHIGAN FOR DIVING SERVICES IN AN AMOUNT NOT OT EXCEED $6,407.50 TO INSTALL A BUOY SAFETY LINE AT THE HYDRO STATION, BUDGETED IN LINE ITEM #252-535-930-001

A motion was made by Treasurer Eldridge and seconded by Clerk Jarrell Roe to approve Mid American Group of Newport Michigan to provide services listed in quote in the amount of $27,500.00 and Soloman Diving of Monroe Michigan for Diving Services in an amount not to exceed $6,407.50 to install a buoy safety line at the Hydro Station, budgeted in line item #252-535-930-001.

Michael Saranen stated this project was started last year as a follow up to our federal inspection from FERC. He detailed the project and explained how the buoys would be installed.

The motion carried unanimously.

10. REQUEST TO APPROVE UIS OF DEXTER AS A SINGLE SOURCE TO PROVIDE SERVICES LISTED IN QUOTE TO AUTOMATE THE SLUICE GATES AT THE HYDRO STATION IN THE AMOUNT OF $39,995.00 BUDGETED IN LINE ITEM #252-000-971-001

A motion was made by Clerk Jarrell Roe and seconded by Trustee Swanson to approve UIS of Dexter as a single source to provide services listed in quote to automate the sluice gates at the Hydro Station in the amount of $39,995.00 budgeted in line item #252-000-971-001.

The motion carried unanimously.

11. REQUEST TO ACCEPT WATER QUALITY GRANT AND APPROVE THE PURCHASE OF EQUIPMENT FROM FONDRIEST ENVIRONMENTAL QUOTE IN THE AMOUNT OF $19,950.89 BUDGETED IN LINE ITEM #252-535-977-000

A motion was made by Clerk Jarrell Roe and seconded by Trustee Peterson to accept the water quality grant and approve the purchase of equipment from Fondriest Environmental quote in the amount of $19,950.89.

Michael Saranen detailed this grant and project.

The motion carried unanimously.

12. FIRST READING OF ORDINANCE 2022-500, AN ORDINANCE TO AMEND CHAPTER 62 ARTICLE IV, SECTION 62-76 (A)(1) OF THE CODE OF ORDINANCES, CHARTER TOWNSHIP OF YPSILANTI, TO ADJUST WATER SERVICE RATES

Clerk Jarrell Roe read the ordinance into the record.

A motion was made by Clerk Jarrell Roe and seconded by Trustee Newman to approve the first reading of ordinance 202-500, an ordinance to amend chapter 62 article IV, section 62-76 (a)(1) of the Code of Ordinances, Charter Township of Ypsilanti, to adjust water service rates (see attached).

Supervisor Stumbo asked why the ready to service rate is being raised by $.71 for water. Luther Blackburn, YCUA Director, stated that these rates cover the fixed costs for the utility, such as maintaining pumps, service lines and meters. He added that these items still have to be maintained regardless how much water is sold.

Clerk Jarrell Roe asked about money set aside for water meter improvements under the capital improvement projects. Mr. Blackburn stated this project would be to install advanced metering infrastructure. He added that the current telemetry equipment used now is significantly out of useful life and that is difficult to obtain parts. He added they thought this would be a good time to bring in new technology.

Supervisor Stumbo stated that she would feel more comfortable with this if the YCUA Board voted first. She added that she knows the board will vet all the questions and will have more information. She added that she is not saying no to the increase.

A roll call vote was held.

Stumbo: No	Swanson: Yes	Wilson: Yes
Jarrell Roe: Yes	Newman: Yes	
Eldridge: Yes	Peterson: Yes	

The motion carried.

13. FIRST READING OF ORDINANCE 2022-501, AN ORDINANCE TO AMEND CHAPTER 62 ARTICLE IV, SECTION 62-76 (A)(1) OF THE CODE OF ORDINANCES, CHARTER TOWNSHIP OF YPSILANTI, TO ADJUST SEWAGE DISPOSAL RATES

Clerk Jarrell Roe read the ordinance into the record.

A motion was made by Clerk Jarrell Roe and seconded by Trustee Swanson to approve the first reading of ordinance 202-501, an ordinance to amend chapter 62 article IV, section 62-76 (a)(1) of the Code of Ordinances, Charter Township of Ypsilanti, to adjust sewage disposal rates (see attached).

Supervisor Stumbo stated that it is 4% for sewer and water.

Mr. Blackburn stated this would be about $400,000.00 in additional revenue. He also added that the average increase to a customer would be $3.81 per ten units of usage.

Stumbo: No	Swanson: Yes	Wilson: Yes
Jarrell Roe: Yes	Newman: Yes	
Eldridge: Yes	Peterson: Yes	

The motion carried.

14. REQUEST TO AUTHORIZE CIRCUIT COURT LITIGATION TO ABATE PUBLIC NUISANCES LOCATED AT 2041 PARKWOOD, 521 EUGENE, 1473 ECORSE AND 493 WOODLAWN IN THE AMOUNT OF $10,000.00 EACH BUDGETED IN LINE ITEM #101-729-801-023

A motion was made by Treasurer Eldridge and Supported by Trustee Wilson to authorize circuit court litigation to abate public nuisances located at 2041 Parkwood, 521 Eugene, 1473 Ecorse and 493 Woodlawn in the amount of $10,000.00 each budgeted in line item #101-729-801-023.

Supervisor Stumbo stated there is a memo about this in the packet, as well as some pictures.

The motion carried unanimously.

15. REQUEST TO RENEW DISPATCHING CONTRACT WITH EMERGENT HEALTH PARTNER INC. (HVA)

A motion was made by Clerk Jarrell Roe and seconded by Treasurer Eldridge to approve the request to renew the dispatching contract with Emergent Health Partner Inc. (HVA).

Chief Copeland stated that this should have renewed July 1. He added that this is a 5% increase and they had reviewed the calls and found that the increase is correct.

The motion carried unanimously.

16. REQUEST TO APPROVE L-4029, 2022 TAX RATES FOR 2023 BUDGET

A motion was made by Clerk Jarrell Roe and seconded by Treasurer Eldridge to approve the L-4029, 2022 tax rates for 2023 budget (see attached).

Supervisor Stumbo stated that the approval of the L-4029 starts the budget process for the township.

The motion carried unanimously.

17. REQUEST TO ACCEPT THE RESIGNATION OF LARRY KRIEG AND GAGE SMITH FROM THE PLANNING COMMISSION EFFECTIVE IMMEDIATELY

A motion was made by Trustee Peterson and seconded by Trustee Newman to accept the resignation of Larry Krieg and Gage Smith from the Planning Commission effective immediately.

Supervisor Stumbo stated that Mr. Krieg had been on the Planning Commission for 14 years and that he felt it was time for other people to serve. She added that Mr. Smith had moved out of the township and had to resign.

The motion carried unanimously.

18. REQUEST TO APPOINT RYAN HUNTER TO THE PLANNING COMMISSION

A motion was made by Trustee Wilson and seconded by Trustee Swanson to appoint Ryan Hunter to the Planning Commission.

Supervisor Stumbo stated that Mr. Hunter also serves on the AAATA board.

The motion carried unanimously.

19. REQUEST TO APPROVE THE 2022-2023 CONTRACT WITH WASHTENAW COMMUNITY COLLEGE FOR BUILDING USE AT THE COMMUNITY CENTER

A motion was made by Trustee Peterson and seconded by Trustee Newman to approve the 2022-2023 contract with Washtenaw Community College for building use at the Community Center (see attached).

Supervisor Stumbo stated there had been a slight increase of $2,000.00 this year and that some of the rooms being used had changed.

The motion carried unanimously.

20. RESOLUTION 2022-09, RESOLUTION AUTHORIZING THE DIVISION OF A PLATTED LOT ON EAST GRAND BLVD.

Clerk Jarrell Roe read the resolution into the record.

A motion was made by Treasurer Eldridge and seconded by Trustee Newman to approve Resolution 2022-09, a resolution to authorize the division of a platted lot on East Grand Blvd (see attached).

Supervisor Stumbo stated that the staff planner had verified that the boundary line will not create any new non-conforming conditions. She also added that approval was subject to the removal of a garage addition, which had been completed.

The motion carried unanimously.

21. REQUEST TO ENTER INTO NEGOTIATIONS AND SELL TOWNSHIP OWNED PROPERTIES AT 475 GREENLAWN (K-11-11-332-028) AND 481 GREENLAWN (K-11-11-332-029)

A motion was made by Trustee Wilson and seconded by Clerk Jarrell Roe to approve entering into negotiations to sell township owned properties at 475 Greenlawn (K-11-11-332-028) and 481 Greenlawn (K-11-11-332-029).

The motion carried unanimously.

22. REQUEST TO SET A PUBLIC HEARING ON SPECIAL ASSESSMENT ROLLS IN ACCORDANCE WITH PUBLIC ACT 188 OF 1954, TO BE HELD ON SEPTEMBER 20, 2022 AT 7:00PM

A motion was made by Clerk Jarrell Roe and seconded by Treasurer Eldridge to set a public hearing on special assessment rolls in accordance with Public Act 188 of 1954, to be held on September 20, 2022 at 7:00pm.

Supervisor Stumbo stated this is part of the special assessment process.

The motion carried unanimously.

23. REQUEST TO PURCHASE HIGH SPEED ELECTION TABULATORS AND ASSOCIATED SOFTWARE IN THE AMOUNT OF $132,815.00 BUDGETED IN LINE ITEM #101-262-977-000 AND THE SERVICE AND MAINTENANCE AGREEMENT IN THE AMOUNT OF $106,200.00 TO BE BUDGETED IN THE FUTURE IN LINE ITEM #101-262-933-001.

A motion was made by Treasurer Eldridge and seconded by Trustee Peterson to approve the purchase of high speed election tabulators and associated software in the amount of $132,815.00 budgeted in line item #101-262-977-000 and the service and maintenance agreement in the amount of $106,200.00 to be budgeted in line item #101-262-933-001.

Clerk Jarrell Roe stated that these scanners would be used for the absentee counting board. She added that these are more efficient and will allow for election results to be available quicker. Clerk Jarrell Roe added that these more efficient machines should lead to us not having to rent space outside of the Civic Center and should reduce overtime costs associated with late hours of the AVCB.

Trustee Newman asked if these new tabulators would be available for the next election. Clerk Jarrell Roe answered that we would have the scanners and be able to be trained before the November election.

The motion carried unanimously.

24. REQUEST TO APPROVE AND ACCEPT THE PROPOSAL AND DESIGNATE TRENDSET COMMUNICATIONS GROUP AS THE TOWNSHIP'S PREFERRED NETWORK CABLE INSTALLER VALID UNTIL SEPTEMBER 2026 AND AUTHORIZE FORGOING THE BID REQUIREMENTS FOR NETWORK CABLING JOBS VALUED UNDER $10,000.00

A motion was made by Clerk Jarrell Roe and seconded by Trustee Wilson to approve and accept the proposal and designate Trendset Communications Group as the Township's preferred network cable installer valid until September 2026 and authorized forgoing the bid requirements for network cabling jobs valued under $10,000.00.

Clerk Jarrell Roe stated that in the past when we have gone out for bids for this kind of work we have had difficulty getting people to bid. She added that this company would be on call to do any network cabling under $10,000.00.

The motion carried unanimously.

25. RESOLUTION 2022-11, RESOLUTION REGARDING THE TEMPORARY ROAD CLOSURE FOR US BANK 5K

Clerk Jarrell Roe read the resolution into the record.

A motion was made by Clerk Jarrell Roe and seconded by Trustee Peterson to approve Resolution 2022-11, resolution regarding the temporary road closure for US Bank 5K (see attached).

Supervisor Stumbo stated that the township had to give authorization first, then the Washtenaw County Road Commission would give final approval.

Trustee Swanson stated that she had concerns about the road closure on Grove Rd. in addition to the current construction. Treasurer Eldridge stated that the road closures should be minimal, for no more than an hour to ninety minutes. Supervisor Stumbo stated that she believed the work on Grove Rd. should be completed by the date of this road closure.

The motion carried unanimously.

26. BUDGET AMENDMENT #11

Clerk Jarrell Roe read the budget amendment into the record.

A motion was made by Clerk Jarrell Roe and seconded by Trustee Swanson to approve budget amendment #11 (see attached).

Supervisor Stumbo reviewed the details of the budget amendment.

The motion carried unanimously.

AUTHORIZATIONS AND BIDS

1. **REQUEST TO REALLOCATE 2022 CAPITAL OUTLAY FIRE STATION FUNDS BUDGETED IN LINE ITEM #217-901-976-005 IN THE AMOUNT OF $80,000.00 AND SEEK SEALED BIDS FOR PAINTING PROJECTS AS OUTLINED**

A motion was made by Clerk Jarrell Roe and seconded by Trustee Swanson to approve reallocating 2022 Capital Outlay Fire Station funds budgeted in line item #217-901-976-005 in the amount of $80,000.00 and seek sealed bids for painting projects as outlined.

The motion carried unanimously.

OTHER BUSINESS

There was no other business discussed.

BOARD MEMBER UPDATES

Supervisor Stumbo gave congratulations to Trustee Wilson on his recent election win. She added that there had been a lot of questions on the impending vacancy, but there would not be a vacancy until after the November election.

A motion to adjourn was made by Trustee Peterson and seconded by Trustee Wilson.

Motion carried unanimously.

The meeting was adjourned at approximately 9:30pm.

Respectfully Submitted,

Brenda L. Stumbo, Supervisor
Charter Township of Ypsilanti

Heather Jarrell Roe, Clerk
Charter Township of Ypsilanti

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August 10, 2022

Supervisor Brenda Stumbo

Ypsilanti Charter Township

7200 Huron River Dr.

Ypsilanti, MI 48197

Dear Supervisor Stumbo,

At the request of the Township Executive Team, Ernat Consulting has reviewed Michigan Natural Resources Trust Fund (MNRTF) Grant program. MNRTF grants are being offered and administered through the Department of Natural Resources (DNR) and will support projects specific to natural resource protection and outdoor recreation, specifically trails, regional significant projects, public access to lakes and rivers, wildlife habitat and hunting access. This grant program requires committed matching funds. There is approximately $15-20 million in funds available annually and grant amounts will range from $15,000 to $300,000.

Ernat Consulting has met with elected officials and staff and have been advised that North Bay Park is in critical need of renovation to the bathrooms, walking trail to the water, and boardwalk. An engineer's estimate will be needed for submission of the application.

Trust Fund applications are accepted annually and are due by April 1st and awards are made within 12 to 18 months of the application. Applications with committed matches and portions of larger projects are encouraged.

Ernat Consulting is well positioned to prepare a grant application on behalf of Ypsilanti Charter Township. We feel this is an excellent opportunity to make this grant request as we are preparing the larger TAP grant request for the Lake Loop project and potentially the SPARK grant for the shoreline improvements. The access to lake at North Bay Park will be a critical piece of the Lake Loop project and matching funds to the MNRTF and TAP grant application can be shown. The team for this project will include Bill and Beth Ernat. We bring a combined 50 years of experience in writing and preparing municipal grants.

Proposal

Project Preparation. This section is expected to take 2-3 weeks and approximately 10-20 hours of work time and will include:

- Review of existing park

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- Review of grant rules and procedure
- Creation of project narrative
- Creation of preliminary project budget
- Commissioning of Engineer review and Estimate

Submission. This section is expected to last 3-4 weeks and approximately 30 hours of work time and will be on-going from start of project through formal submission.

- Creation of timeline
- Prepare an approved final budget
- Draft and presentation of proposal
- Coordination and agreements with fundings sources, project sponsors, and other agencies
- Submission of applications

Project Deliverables

The following will be provided to the Township for review and approval before final submission electronically of the grant.

- Complete grant narrative and program guide for execution of grant award.
- Complete grant budget
- Project timeline

Additional Scope

Other grants and funding matches or opportunities may become available during the preparation of the grant submission. Ernat Consulting is willing to make additional applications at its hourly rate of $100/hour or by addendum to this contract.

Fee

The fee for this project would be up to **$7,500.00**. A lump sum of $4,500 for the application and materials required to submit the grant would be due within 15 days of receipt of project deliverables. A lump sum of $3,000 will be due within 15 days upon notice of award of grant. If no grant award is made, no additional payment would be expected. This fee includes all time and expenses associated with the preparation of the project deliverables. This fee does not include the engineering costs for review or estimate of construction cost.

If you are in agreement with the above proposal, please sign and date below and return to us by August 31, 2022.

Brenda L. Stumbo

Brenda L. Stumbo, Supervisor

Signature of acceptance

Aug. 18, 2022

Date

Heather Jarrell Roe

Heather Jarrell Roe, Clerk

Aug. 18, 2022

Date

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Please feel free to reach out with any questions at 734-945-9270. We look forward to working with you.

Warm Regards,

Bill Ernat

Bill and Beth Ernat

Ernat Consulting

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August 10, 2022

Supervisor Brenda Stumbo

Ypsilanti Charter Township

7200 Huron River Dr.

Ypsilanti, MI 48197

Dear Supervisor Stumbo,

At the request of the Township Executive Team, Ernat Consulting has reviewed Michigan Spark Grant program. Michigan Spark Grants are being offered and administered through the Department of Natural Resources (DNR) and will support projects that provide safe, accessible, public recreation facilities and spaces to improve people's health, introduce new recreation experiences, build on existing park infrastructure and make it easier for people to enjoy the outdoors. There is a total of $65 million in funds and grant amounts will range from $100,000 to $1,000,000 in three rounds of funding. Financial matches are not required for this grant.

Ernat Consulting has met with elected officials and staff and have been advised that engineering studies of eroding shorelines in both Loonfeather and Ford Lake parks are being completed and this is an urgent issue. The Ford Lake study has been completed and we would recommend using this study for a round one application.

The DNR has not released the final program rules for the grant. There will be an eight-week application period once the rules have been released. Rules are expected to be released in September.

Ernat Consulting is well positioned to prepare a grant application on behalf of Ypsilanti Charter Township. We feel this is an excellent opportunity to make this grant request as we are preparing the larger TAP grant request for the Lake Loop project. The shore stabilization fits into the goals of connecting and enhancing the Township parks. The team for this project will include Bill and Beth Ernat. We bring a combined 50 years of experience in writing and preparing municipal grants.

Proposal

Project Preparation. This section is expected to take 1-2 weeks and approximately 10-15 hours of work time and will include:

- Review of engineering study
- Review of grant rules and procedure

- Creation of project narrative
- Creation of preliminary project budget

Submission. This section is expected to last 2-3 weeks and approximately 25 hours of work time and will be on-going from start of project through formal submission.

- Creation of timeline
- Prepare an approved final budget
- Draft and presentation of proposal
- Coordination and agreements with fundings sources, project sponsors, and other agencies
- Submission of applications

Project Deliverables

The following will be provided to the Township for review and approval before final submission electronically of the grant.

- Complete grant narrative and program guide for execution of grant award.
- Complete grant budget
- Project timeline

Additional Scope

Other grants and funding matches or opportunities may become available during the preparation of the grant submission. Ernat Consulting is willing to make additional applications at its hourly rate of $100/hour or by addendum to this contract.

Fee

The fee for this project would be up to **$6,500.00.** A lump sum of $4,500 for the application and materials required to submit the grant would be due within 15 days of receipt of project deliverables. A lump sum of $2,000 will be due within 15 days upon notice of award of grant. If no grant award is made, no additional payment would be expected. This fee includes all time and expenses associated with the preparation of the project deliverables.

If you are in agreement with the above proposal, please sign and date below and return to us by August 31, 2022.

Brenda L. Stumbo, Supervisor
Signature of acceptance

8-18-2022
Date

Heather Jarrell Roe, Clerk

8-18-2022
Date

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ERNAT CONSULTING

Please feel free to reach out with any questions at 734-945-9270. We look forward to working with you.

Warm Regards,

Bill Ernat

Bill and Beth Ernat

Ernat Consulting

EGLE

RECYCLING AND ORGANICS INFRASTRUCTURE GRANT AGREEMENT
BETWEEN THE
MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
AND YPSILANTI CHARTER TOWNSHIP

This Grant Agreement ("Agreement") is made between the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Materials Management Division ("State"), and of Ypsilanti Charter Township ("Grantee").

The purpose of this Agreement is to provide funding in exchange for work to be performed for the project named below. Legislative appropriation of Funds for grant assistance is set forth in Public Act No: 0166 of 2020. This Agreement is subject to the terms and conditions specified herein.

Project Name: Curbside Cart Project
Amount of grant: $580,630.00
Amount of match: $343,373.00 = 37%
Start Date (date executed by EGLE): 8-22-2022

Project #: _____
% of grant state 100 % of grant federal 0
Project Total: $924,003.00 (grant plus match)
End Date: 9-30-2023

GRANTEE CONTACT:

Michael Hoffmeister
Name/Title
Ypsilanti Charter Township
Organization
7200 S Huron River Dr
Address
Ypsilanti, MI 48197
Address
734-544-3515
Telephone number

Fax number
mhoffmeister@ytown.org
E-mail address
38-6007433
Federal ID number – (Required for Federal Funding)
78-1488648
Grantee DUNS number - (Required for Federal Funding)

STATE'S CONTACT:

Jeff Krcmarik
Name/Title
Materials Mgt Division/Kalamazoo Office
Division/Bureau/Office
7953 Adobe Rd.
Address
Kalamazoo, MI 49009
Address
269-615-2912
Telephone number

Fax number
krcmarikj@michigan.gov
E-mail address

The individuals signing below certify by their signatures that they are authorized to sign this Agreement on behalf of their agencies and that the parties will fulfill the terms of this Agreement, including any attached appendices, as set forth herein.

FOR THE GRANTEE:

Brenda L. Stumbo | Heather Jarrell Roe
Signature

Aug. 19, 2022
Date

Brenda L. Stumbo | Heather Jarrell Roe
Name/Title
Supervisor | Clerk

FOR THE STATE:

Elizabeth M. Browne
Signature

AG 03/2/22

August 22, 2022
Date

Elizabeth M. Browne, Director, Materials Management Division
Name/Title

I. PROJECT SCOPE

This Agreement and its appendices constitute the entire Agreement between the State and the Grantee and may be modified only by written agreement between the State and the Grantee.

(A) The scope of this project is limited to the activities specified in Appendix A and such activities as are authorized by the State under this Agreement. Any change in project scope requires prior written approval in accordance with Section III, Changes, in this Agreement.

(B) By acceptance of this Agreement, the Grantee commits to complete the project identified in Appendix A within the time period allowed for in this Agreement and in accordance with the terms and conditions of this Agreement.

II. AGREEMENT PERIOD

Upon signature by the State, the Agreement shall be effective from the Start Date until the End Date on page 1. The State shall have no responsibility to provide funding to the Grantee for project work performed except between the Start Date and the End Date specified on page 1. Expenditures made by the Grantee prior to the Start Date or after the End Date of this Agreement are not eligible for payment under this Agreement.

III. CHANGES

Any changes to this Agreement [other than budget line-item revisions less than 10 percent of the budget line item shall be requested by the Grantee or the State in writing and implemented only upon approval in writing by the State. The State reserves the right to deny requests for changes to the Agreement or to the appendices. No changes can be implemented without approval by the State.

IV. GRANTEE DELIVERABLES AND REPORTING REQUIREMENTS

The Grantee shall submit deliverables and follow reporting requirements specified in Appendix A of this Agreement.

(A) The Grantee must complete and submit quarterly financial and/or progress reports according to a form and format prescribed by the State and must include supporting documentation of eligible project expenses. These reports shall be due according to the following:

Reporting Period	Due Date
January 1 – March 31	April 30
April 1 – June 30	July 31
July 1 – September 30	Before October 15*
October 1 – December 31	January 31

*Due to the State's year-end closing procedures, there will be an accelerated due date for the report covering July 1 – September 30. Advance notification regarding the due date for the quarter ending September 30 will be sent to the Grantee. If the Grantee is unable to submit a report in early October for the quarter ending September 30, an estimate of expenditures through September 30 must be submitted to allow the State to complete its accounting for that fiscal year.

The forms provided by the State shall be submitted to the State's contact at the address on page 1. All required supporting documentation (invoices, proof of payment, etc.) for expenses must be included with the report.

(B) The Grantee shall provide a final project report in a format prescribed by the State.

The Grantee shall submit the final status report, including all supporting documentation for expenses, along with the final project report and any other outstanding products within 30 days from the End Date of the Agreement.

(C) All products shall acknowledge that the project was supported in whole or in part by Recycling Program, EGLE, per the guidelines provided by the program.

(D) If 15 percent (15%) or more of the grant amount is expended in a single quarter, payment requests may be submitted once monthly during that quarter.

V. GRANTEE RESPONSIBILITIES

(A) The Grantee agrees to abide by all applicable local, state, and federal laws, rules, ordinances, and regulations in the performance of this grant.

(B) All local, state, and federal permits, if required, are the responsibility of the Grantee. Award of this grant is not a guarantee of permit approval by the State.

(C) The Grantee shall be solely responsible to pay all applicable taxes and fees, if any, that arise from the Grantee's receipt or execution of this grant.

(D) The Grantee is responsible for the professional quality, technical accuracy, timely completion, and coordination of all designs, drawings, specifications, reports, and other services submitted to the State under this Agreement. The Grantee shall, without additional compensation, correct or revise any errors, omissions, or other deficiencies in drawings, designs, specifications, reports, or other services.

(E) The State's approval of drawings, designs, specifications, reports, and incidental work or materials furnished hereunder shall not in any way relieve the Grantee of responsibility for the technical adequacy of the work. The State's review, approval, acceptance, or payment for any of the services shall not be construed as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.

(F) The Grantee acknowledges that it is a crime to knowingly and willingly file false information with the State for the purpose of obtaining this Agreement or any payment under the Agreement, and that any such filing may subject the Grantee, its agents, and/or employees to criminal and civil prosecution and/or termination of the grant.

VI. USE OF MATERIAL

Unless otherwise specified in this Agreement, the Grantee may release information or material developed under this Agreement, provided it is acknowledged that the State funded all or a portion of its development.

The State, and federal awarding agency, if applicable, retains a royalty-free, nonexclusive and irrevocable right to reproduce, publish, and use in whole or in part, and authorize others to do so, any copyrightable material or research data submitted under this grant whether or not the material is copyrighted by the Grantee or another person. The Grantee will only submit materials that the State can use in accordance with this paragraph.

VII. ASSIGNABILITY

The Grantee shall not assign this Agreement or assign or delegate any of its duties or obligations under this Agreement to any other party without the prior written consent of the State. The State does not assume responsibility regarding the contractual relationships between the Grantee and any subcontractor.

VIII. SUBCONTRACTS

The State reserves the right to deny the use of any consultant, contractor, associate, or other personnel to perform any portion of the project. The Grantee is solely responsible for all contractual activities performed under this Agreement. Further, the State will consider the Grantee to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the anticipated Grant. All subcontractors used by the Grantee in performing the project shall be subject to the provisions of this Agreement and shall be qualified to perform the duties required.

IX. NON-DISCRIMINATION

The Grantee shall comply with the Elliott Larsen Civil Rights Act, 1976 PA 453, as amended, MCL 37.2101 *et seq.*, the Persons with Disabilities Civil Rights Act, 1976 PA 220, as amended, MCL 37.1101 *et seq.*, and all other federal, state, and local fair employment practices and equal opportunity laws and covenants that it shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Agreement, with respect to his or her hire, tenure, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment, because of his or her race, religion, color, national origin, age, sex, height, weight, marital status, or physical or mental disability that is unrelated to the individual's ability to perform the duties of a particular job or position. The Grantee agrees to include in every subcontract entered into for the performance of this Agreement this covenant not to discriminate in employment. A breach of this covenant is a material breach of this Agreement.

X. UNFAIR LABOR PRACTICES

The Grantee shall comply with the Employers Engaging in Unfair Labor Practices Act, 1980 PA 278, as amended, MCL 423.321 *et seq.*

XI. LIABILITY

(A) The Grantee, not the State, is responsible for all liabilities as a result of claims, judgments, or costs arising out of activities to be carried out by the Grantee under this Agreement, if the liability is caused by the Grantee, or any employee or agent of the Grantee acting within the scope of their employment or agency.

(B) Nothing in this Agreement should be construed as a waiver of any governmental immunity by the Grantee, the State, its agencies, or their employees as provided by statute or court decisions.

XII. CONFLICT OF INTEREST

No government employee, or member of the legislative, judicial, or executive branches, or member of the Grantee's Board of Directors, its employees, partner agencies, or their families shall benefit financially from any part of this Agreement.

XIII. ANTI-LOBBYING

If all or a portion of this Agreement is funded with federal funds, then in accordance with 2 CFR 200, as appropriate, the Grantee shall comply with the Anti-Lobbying Act, which prohibits the use of all project funds regardless of source, to engage in lobbying the state or federal government or in litigation against the State. Further, the Grantee shall require that the language of this assurance be included in the award documents of all subawards at all tiers.

If all or a portion of this Agreement is funded with state funds, then the Grantee shall not use any of the grant funds awarded in this Agreement for the purpose of lobbying as defined in the State of Michigan's lobbying statute, MCL 4.415(2).
"'Lobbying' means communicating directly with an official of the executive branch of state government or an official in the legislative branch of state government for the purpose of influencing legislative or administrative action." The Grantee shall not use any of the grant funds awarded in this Agreement for the purpose of litigation against the State. Further, the Grantee shall require that language of this assurance be included in the award documents of all subawards at all tiers.

XIV. DEBARMENT AND SUSPENSION

By signing this Agreement, the Grantee certifies that it has checked the federal debarment/suspension list at www.SAM.gov to verify that its agents, and its subcontractors:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or the state.

(2) Have not within a three-year period preceding this Agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction, as defined in 45 CFR 1185; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

(3) Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in subsection (2).

(4) Have not within a three-year period preceding this Agreement had one or more public transactions (federal, state, or local) terminated for cause or default.

(5) Will comply with all applicable requirements of all other state or federal laws, executive orders, regulations, and policies governing this program.

XV. AUDIT AND ACCESS TO RECORDS

The State reserves the right to conduct a programmatic and financial audit of the project, and the State may withhold payment until the audit is satisfactorily completed. The Grantee will be required to maintain all pertinent records and evidence pertaining to this Agreement, including grant and any required matching funds, in accordance with generally accepted accounting principles and other procedures specified by the State. The State or any of its duly authorized representatives must have access, upon reasonable notice, to such books, records, documents, and other evidence for the purpose of inspection, audit, and copying. The Grantee will provide proper facilities for such access and inspection. All records must be maintained for a minimum of [five] years after the final payment has been issued to the Grantee by the State.

XVI. INSURANCE

(A) The Grantee must maintain insurance or self-insurance that will protect it from claims that may arise from the Grantee's actions under this Agreement.

(B) The Grantee must comply with applicable workers' compensation laws while engaging in activities authorized under this Agreement.

XVII. OTHER SOURCES OF FUNDING

The Grantee guarantees that any claims for reimbursement made to the State under this Agreement must not be financed by any source other than the State under the terms of this Agreement. If funding is received through any other source, the Grantee agrees to delete from Grantee's billings, or to immediately refund to the State, the total amount representing such duplication of funding.

XVIII. COMPENSATION

(A) A breakdown of costs allowed under this Agreement is identified in Appendix A. The State will pay the Grantee a total amount not to exceed the amount on page 1 of this Agreement, in accordance with Appendix A, and only for expenses incurred and paid. All other costs necessary to complete the project are the sole responsibility of the Grantee.

(B) Expenses incurred by the Grantee prior to the Start Date or after the End Date of this Agreement are not allowed under the Agreement, unless otherwise specified in Appendix A.

(C) The State will approve payment requests after approval of reports and related documentation as required under this Agreement.

(D) The State reserves the right to request additional information necessary to substantiate payment requests.

(E) Payments under this Agreement may be processed by Electronic Funds Transfer (EFT). The Grantee may register to receive payments by EFT at the SIGMA Vendor Self Service web site (https://sigma.michigan.gov/webapp/PRDVSS2X1/AltSelfService).

(F) An amount equal to 5 percent of the grant award will be withheld by the State until the project is completed in accordance with Section XIX, Closeout, and Appendix A.

(G) The Grantee is committed to the match percentage on page 1 of the Agreement, in accordance with Appendix A. The Grantee shall expend all local match committed to the project by the End Date on page 1 of the Agreement.

XIX. CLOSEOUT

(A) A determination of project completion, which may include a site inspection and an audit, shall be made by the State after the Grantee has met any match obligations, satisfactorily completed the activities, and provided products and deliverables described in Appendix A.

(B) Upon issuance of final payment from the State, the Grantee releases the State of all claims against the State arising under this Agreement. Unless otherwise provided in this Agreement or by State law, final payment under this Agreement shall not constitute a waiver of the State's claims against the Grantee.

(C) The Grantee shall immediately refund to the State any payments in excess of the costs allowed by this Agreement.

XX. CANCELLATION

This Agreement may be canceled by the State, upon 30 days written notice, due to Executive Order, budgetary reduction, other lack of funding, upon request by the Grantee, or upon mutual agreement by the State and Grantee. The State may honor requests for just and equitable compensation to the Grantee for all satisfactory and eligible work completed under this Agreement up until 30 days after written notice, upon which time all outstanding reports and documents are due to the State and the State will no longer be liable to pay the grantee for any further charges to the grant.

XXI. TERMINATION

(A) This Agreement may be terminated by the State as follows.

(1) Upon 30 days written notice to the Grantee:

a. If the Grantee fails to comply with the terms and conditions of the Agreement, or with the requirements of the authorizing legislation cited on page 1, or the rules promulgated thereunder, or other applicable law or rules.
b. If the Grantee knowingly and willingly presents false information to the State for the purpose of obtaining this Agreement or any payment under this Agreement.
c. If the State finds that the Grantee, or any of the Grantee's agents or representatives, offered or gave gratuities, favors, or gifts of monetary value to any official, employee, or agent of the State in an attempt to secure a subcontract or favorable treatment in awarding, amending, or making any determinations related to the performance of this Agreement.
d. If the Grantee or any subcontractor, manufacturer, or supplier of the Grantee appears in the register of persons engaging in unfair labor practices that is compiled by the Michigan Department of Licensing and Regulatory Affairs or its successor.
e. During the 30-day written notice period, the State shall withhold payment for any findings under subparagraphs a through d, above and the Grantee will immediately cease charging to the grant and stop earning match for the project (if applicable).

(2) Immediately and without further liability to the State if the Grantee, or any agent of the Grantee, or any agent of any subcontract is:

a. Convicted of a criminal offense incident to the application for or performance of a State, public, or private contract or subcontract;
b. Convicted of a criminal offense, including but not limited to any of the following: embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or attempting to influence a public employee to breach the ethical conduct standards for State of Michigan employees;
c. Convicted under State or federal antitrust statutes; or
d. Convicted of any other criminal offense that, in the sole discretion of the State, reflects on the Grantee's business integrity.
e. Added to the federal or state Suspension and Debarment list.

(B) If a grant is terminated, the State reserves the right to require the Grantee to repay all or a portion of funds received under this Agreement.

XXII. IRAN SANCTIONS ACT

By signing this Agreement, the Grantee is certifying that it is not an Iran linked business, and that its contractors are not Iran linked businesses, as defined in MCL 129.312.

PROJECT-SPECIFIC REQUIREMENTS – APPENDIX A

GRANT PROJECT SCOPE

The scope of this project is outlined in the Grantee's Project Summary, Workplan, Timeline and Budget which is included in this Agreement in Appendix B,. The grantee shall adhere to the budget, tasks, deliverables, and timeline identified in Appendix B.

GRANT REIMBURSEMENT PROCESS

The Grantee is responsible for the payment of all eligible costs necessary to complete the project. The Grantee shall submit reimbursement requests to the State which specify the time period covered by the reimbursement request and the payments made by the Grantee during the time period. Grant reimbursements will be for up to 80 percent of the documented purchase expenditures, not to exceed the awarded grant amount, less a 5 percent retention amount that will be released upon approval of the final report. The final report is due six months after the infrastructure item(s) have been purchased, installed, and/or constructed, but no later than September 29, 2024. Grantees must agree to supply data related to the project for up to five years from the project end date as requested by EGLE.

All grants are paid through a reimbursement process. All grantees will submit proof of payment (i.e., canceled checks, ACH, wire transfer confirmations, bank statements, etc.) and proof of receipt of goods to EGLE proving that the vendor has been paid prior to receiving reimbursement from the grant program. Reimbursement must be requested in conjunction with required, quarterly progress reports. Total payment made to the Grantee by the State shall not exceed the amount identified in this grant agreement. Any costs associated with the project that exceed the awarded grant amount shall be the responsibility of the Grantee. Reimbursement forms will be available on the EGLE's Recycling Program website located at Michigan.gov/MiRecycles.

The Grantee is responsible for ensuring that all partner entities fulfill their commitments under the grant proposal.

The Grantee is responsible for ensuring that all products requiring reimbursement acknowledge that the project was supported in whole or in part by the EGLE Recycling Grant Program.

RECAPTURE

The Grantee is hereby notified and hereby acknowledges that the Grant is subject to recapture and that the Grantee will incur an obligation to repay the Grant (the "Recapture Obligation") immediately, in full, if:

a. it fails to comply with the entirety of the grantee's grant application attached, including all budget, tasks and timeline;
b. it sells, exchanges, or disposes of any equipment described in this Agreement without the Grantor's written approval; or
c. the State of Michigan determines that there has been a default under the Agreement and seeks reimbursement.

In the event that the Grantee becomes liable for a Recapture Obligation, it shall satisfy the Recapture Obligation within the time specified in the written notice thereof to the Grantee by the Grantor.

The Grantee's obligation under this sub-section shall survive five years beyond the term of this Agreement.

REPORTING REQUIREMENTS

The Grantee shall comply with all reporting requirements of the State during the Agreement Period. A reporting calendar can be found in Section IV of the boilerplate agreement language.

QUARTERLY REPORTS

The Grantee shall submit the final quarterly status and financial report, including all supporting documentation for expenses, by September 30, 2023.

Quarterly progress and financial reports must be submitted at least every three months during the Agreement Period, even if no funds were expended. Provide the following narrative using the numbers and headings listed below:

I. SUMMARY OF ACTIONS TAKEN DURING THE CURRENT PERIOD

A. Describe the tasks completed and how project funds were expended during the time period covered by the report. If no funds were expended during the current period, include a statement to that effect, along with an explanation and a description of tasks completed during the period.

B. If any products were developed during the time period covered by the report, include a copy of the products with the report.

II. SUMMARY OF ACCOMPLISHMENTS DURING THIS PERIOD

A. Goals and objectives as set forth in the grant application and grant contract. List the project's stated goals and objectives and describe how the project is meeting them.

B. Additional project accomplishments not included in original project goals and objectives.

C. Project data: Provide any data collected during the current period, as described in the grant application incorporated with this contract. Attach available documentation which supports the data. If the data provided covers a previous reporting period, specify the dates which the data is from.

III. SUMMARY OF REMAINING ACTIONS TO BE TAKEN

A. Describe the remaining tasks to be completed and indicate whether or not these tasks will be completed within the approved project schedule. For tasks which will not be completed within the approved project schedule, discuss the reasons for the delay and provide the revised task completion date.

IV. PROBLEMS ENCOUNTERED DURING THIS PERIOD

A. Identify any problems encountered during the current reporting period and explain how they were resolved. Describe the impact these problems have had or will have on project design, completion, and operations. If at any time the Grantee becomes aware that any materials collected or processed in association with grant purchases are being disposed, the Grantee must immediately notify EGLE and must document the issue in the next quarterly report. The Grantee must also submit for EGLE review the steps that will be taken to address the issue and the expected timeframe for resolution.

V. ADDITIONAL COMMENTS

A. Provide any additional comments relevant to the status of the project and its operations.

VI. FINANCIAL DOCUMENTATION

A. Provide required documentation for funds expended during the reporting period, including proof of payment and proof of receipt of goods.

FINAL PROJECT REPORT

The purpose of the final project report is to provide the State with data on your project and a narrative discussion about your project, including an evaluation of the project to date. The final report is due six months after the infrastructure item(s) have been purchased and/or constructed, but no later than September 29, 2024. Retained funds will be forfeited by the Grantee if the final report is not accepted.

Identify the time period covered by the final project report. Provide the following narrative information using the numbers and headings listed below:

I. PROJECT DESCRIPTION

A. Provide a description of the project funded.

i. Provide a 4-5 sentence summary of the project.
ii. Include any news articles and/or photographs as appropriate.
iii. Include the date project operations began and a discussion of the current status of project operations.

B. List and explain the steps involved in completing the project, from planning through implementation to ongoing operations. Include the dates of major project activities and events.

C. List and discuss other entities (e.g., companies, nonprofit groups, local units of government) that played a role in planning and implementing the project and briefly describe their role. Describe any formal agreements that were entered into as a part of project implementation.

II. PROJECT DATA

A. Diversion rate, participation rate, and geographical area.

i. For the time period covered by this report, provide the quantity of recyclable or organic materials diverted, in tons or cubic yards /time period. Specify which recyclable or organic materials are included in this reported volume. Describe the methods for measuring these quantities.

ii. Provide diversion rates prior to the grant project, if known.

iii. For the time period covered by this report, provide information on the number of people and/or number of households/units served by the project. Describe the methods for measuring these numbers.

iv. Provide information on the number of people and/or number of households/units served prior to the grant project, if known.

v. For the time period covered by this report, provide information on the geographical area served by the project.

vi. Provide previous information on the geographical area served by the program prior to the current grant project.

B. Provide the following information for all education and outreach activities related to the grant project, as applicable:

i. Types of groups (audience) targeted.

ii. Types of promotional materials developed.

iii. Methods used to distribute information or materials.

iv. Planned/future educational efforts.

III. PROJECT COSTS: Provide the following information regarding costs required to implement the project:

A. Provide the dollar amounts and a description of all program related capital costs which have been incurred during the time period covered by this report. Identify the specific dates these costs were incurred.

B. For the time period covered by this report, provide the dollar amounts and a description of all additional costs (beyond match) required to complete the project. Identify the specific dates these costs were incurred.

C. For the time period covered by this report, provide the dollar amount and a description of the costs needed to operate the project.

D. Describe the funding mechanisms utilized to operate and maintain the project activities.

IV. PROJECT EVALUATION

A. Goals and Objectives. Summarize each of the project's goals and objectives as stated in your original proposal. Discuss (in both narrative and numerical terms) how well you are meeting each goal and objective. For each goal or objective that is not being met, discuss why.

   i. If the project goals and objectives have changed from those that were originally established, discuss how and why. Also, discuss how these changes have impacted the final project.

   ii. Recovery/Access/Participation Goals: As a part of the above discussion of project goals and objectives, identify the increase in either volume collected (in tons or cubic yards per year) by material type, or geographical access/population served that the project is currently achieving. If the project is not meeting its goals, provide a discussion on why these goals are not being met. Also, indicate what steps you are taking in order to meet the stated goals in the future, and provide a timeframe for meeting these goals.

B. Discuss any project accomplishments not included in the project's original goals and objectives.

C. Discuss the economic impact the project has had on the local economy. Include information on new jobs created and sustained and any other relevant economic information.

D. List and describe all significant problems encountered during project implementation, including any cost overruns, institutional barriers, local issues, etc. Describe how the problems were addressed and resolved. Describe any impact these problems had in project design, implementation and/or ongoing operations.

E. Describe the most successful components of the project and explain why you think they are successful.

F. Describe the least successful components of the project and explain why you think they are not successful.

G. Lessons Learned. Discuss any conclusions you have made about the technical and economic feasibility of carrying out a similar project. Identify what you would do differently if you were to carry out a similar project, and why.

H. Provide a description of the motivation for pursuing this grant opportunity and how the need for the project was identified.

V. ADDITIONAL COMMENTS

A. Provide any additional information relevant to the status of the project and its operations.
B. Provide a description of opportunities that you may have identified after implementing this grant.

The quarterly and final project report must be signed by the authorized contact person for the project. Indicate any name, address or telephone number changes for the contact person and/or the project.

Submit the quarterly and final project reports to the attention of the State's contact at the following email address:

EGLE-RecyclingGrant@michigan.gov

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GRANT PROGRAM PROPOSAL, WORKPLAN, BUDGET –

APPENDIX B

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EGLE Full Proposal: Ypsilanti Charter Township

Grant Category:

Select which Grant you are applying to:

Recycling Infrastructure

The Recycling Infrastructure Grants are designed to increase the statewide recycling rate, with the goal of achieving a 30% percent statewide recycling rate by 2025. Additionally, the Recycling Infrastructure Grants work to increase collection and processing capacity of recyclable materials or food waste, increase access to recycling or food waste composting infrastructure, and increase participation rates in recycling or food waste composting programs across Michigan. These grants give specific attention to quality. Funding or program partners working with Recycling Infrastructure Grant applicants must be actively involved with the implementation and operation of the proposed project.

General Information:

Primary Contact

Same as Profile

Organization Name:

Ypsilanti Charter Township

Please self-identify your organization type:

Public Sector

Project Information:

Project Title

Ypsilanti Township Recycle Program

Brief Project Description

NOTE: This concise description will be used in reports and other documentation.

The local waste/recycle company has recently increased their prices for the recycle rental carts, resulting in households returning or not renting the recycle carts, creating a reduction in the number of households recycling in the Township. The Township is proposing to use the grant and matching funds to purchase recycle carts for all of the 15,165 single-family and two-family households in the Township. The distribution of the free carts to each single and two-family household will eliminate rental/purchase fees for all recycling bins/carts, thereby encouraging all households to participate in the recycling program without any impact to their monthly expenses.

Project Goals and Objectives

What Recycling Infrastructure objectives does your project help to achieve?

(multiple can be selected)

Increase collection and processing capacity of recyclable materials or food waste across Michigan., Increase participation rates in recycling or food waste composting programs across Michigan.

Describe how your project meets the selected objectives:

There are appproximately 15,165 single family and two-family households that are eleigible to get curbside recycling. Of these households, Ypsilanti Charter Township has approximately 7,885 households currently participating in the recycling program, with 2,242 using the 96-gallon recycle cart. The remaining 5,643 particpating households use either a 15-gallon bin purchased at the Township Hall or a 32-gallon cart purchased at a local retailer. Utilizing grant and matching funds, the Township is seeking to purchase 15,165 recycling carts to allow every household to participate in the recycling program, thereby increasing the collection of recycled materials. The Township is seeking EGLE funds to purchase 12,923 carts for those households that currently do not have a 96-gallon cart. The remaining 2,242 carts will be purchased using the matching funds from the Township and the Recycling Partnership.

What is the primary focus of your Recycling Infrastructure project?

Transition from recycling bins to carts, Additional carts for a new or existing recycling or food waste collection program

How does your project achieve the selected focus?

(If new materials are collected ensure that is described)

Ypsilanti Charter Township is proposing to purchase carts for all single and two-family households in the Township. There are approximately 7,885 households or 52% currently particpating in the recycling program, with 2,242 or 14.8% of these households utilizing the 96-gallon cart. By purchasing a 96-gallon cart for each eligible household over 5,600 households will upgrading from a smaller 15-gallon or 32-gallon bin to a 96-gallon cart and over 7,200 households bill be joining the recycling efforts of Ypsilanti Charter Township.

Describe your current program including (if applicable) collection method (curbside, drop-off, single stream, dual stream, source separated, etc.); volume of containers; collection frequency; list of materials collected; geographic area served including population and/or number of household/units serviced (if known); name and location of processor, broker, and/or end market (if known); description of operational funding sources (user fees, millage, special assessments, general funds, etc.); description of existing program partners/collaborators; description of existing recycling education/outreach program

Ypsilanti Charter Township currently has curbside, dual stream waste/recycle pickup for single-family and two-family residences and single stream for multi-family ocmplexes and commercial buildings. Bi-weekly pickup has been arranged for all recycle customers. Waste Management is the disposal company and they utilize GFL Environmental Recycling Services in New Boston, Michigan as the end market. The recRecycle containers can be one of three sizes: 15-gallon containers and are available at the Ypsilanti Charter Township Center for $15, 32-gallon containers with handles can be purchased at retail outlets and used with a recylce sticker, or a 96-gallon cart can be rented for $4/month from Waste Management, by the household. ycled materials include: cleaned out plastic containers that are #1, 2, 4, 5, or 7; emptied glass containers; aluminum cans, small kitched cookware (free of food), metal pots/pans, disposabale pie tins, and baking trays; and paper products that include corrugated cardboard, mail, brown paper bags, paperboard (i.e. cereal boxes, tissue boxes, etc), newspapers, glossy inserts, magazines, catalogs, books, telephone books, paper egg cartons, and paper towel rolls. Ypsilanti Charter Township is the area served, with approximiately 15,165 single and two-family households eligible to participate in the program.

Describe how this project will show improvement from your current program:

As this will be at no-cost to the occupants of single and two-family residences, it is anticipated that the current households that utilize the 15 and 32-gallon bins will be able to recycle more goods and those 7,200+ households that are not currently participating will have an opportunity to particpate in the recycling program.

As relevant, please provide metrics for your current collection or processing and expected change with the implementation of this project. Feel free to describe how collection / Processing volume was calculated. (optional)

The Township has curbside recycling available for all single-family and two-family households. There is approximately 15,165 single and two-family households in the Township. There is approximately 52 percent of these households currenlty participating, with only 36% particpating on a collection date. Curbside recycling occurs on a bi-weekly basis. In 2020, there was 1,206.45 tons collected through the recycyling program. With the additional participating households the recycling would increase proportionately. The goal is to have 100 percent of the single and two-family households participating in the program, which would nearly double the collected recycles. (The collection volume was provided by Waste Management, the contractor selected to do the residential waste/recycling.)

Current Annual Collection / Processing Volume:

Tons or cubic yards of material processed or collected

1,206

Expected Annual Collection / Processing Volume:

Tons or cubic yards of material processed or collected

2,000

Unit used:

Tons

Supporting Data (optional):

Current population and/or number of households served:

(Number of households)

15,165

Expected population and/or number of households served:

(Number of households)

15,165

If a drop-off, what is the current geographic area served:

NA

Describe how your project will benefit Environmental Justice or underserved and/or vulnerable populations:

With the elimination of rental fees, all households regardless of income will be encouraged to participate in the recycling program. According to the United States Census estimates for Ypsilanti Charter Toiwnship in 2019, 1651 households, or 7.5 percent of all households are 65 years of age or older and over 30 percent of the population is considered to be low- or -moderate income. Puchasing the carts for all single and two-family households will allow these households to particpate in the recycling program at no cost to them.

Does your project incorporate educational efforts?

Yes

Briefly describe how your project incorporates educational efforts:

The Recycling Partnership will be particpating in this recycling effort. They will be granting the Township $1 per household or $15,165 to be spent for educational purposes. The township is anticipating to include a list of eligible recycling materials to be presented with each of the 96-gallon carts. Furthermore, the list of eligible materials will continute to be posted on the Township's website, available at the Township Hall, and posted in the Township's newsletter.

Do you know how many tons of Greenhouse Gas (GHG) emissions will be avoided through this project?

No, and I don't have information to support this

Describe how your project addresses Greenhouse Gas emissions:

Greenhouse gases are often emitted with the decay/decomposition of waste materials in landfills. With the increase of recycling and the subsequent reduction of waste in the local landfill, gases emissions are anticipated to be reduced. Several greenhouse gases that are expected to be reduced are carbon dioxide, methane, and nitrous oxide.

Feel free to upload any supporting data for environmental and climate metrics:

(Optional)

Guidance on measuring environmental outcomes is included in "Measuring Environmental and Economic Impact".

What County or Counties will your project impact?

To select multiple counties hold "Ctrl" and click each county name. To unselect, continue holding "Ctrl" and re-click a highlighted county name

Washtenaw County

How would you categorize your geographical impact?

Regional impact refers to if your project impacts multiple counties or areas. County-wide projects should impact the whole county including in large cities and rural areas. Rural would consider any communities not in an urban area.

A specific city or urban area

Briefly describe the geographical impact of your project (How will a specific area, region, city, or county be impacted?):

With the increase of recycled materials, the amount of waste going to the local landfill will be reduced. This will be benefical in two ways. First, greenhouse gas emissions and subsequent odors that can accompany those gases will be reduced thereby, improving the air quality in which to breathe. Secondly, a reduction in waste materials will lengthen the usefullness of the landfill and delay the need for a new landfill for a period of time.

Measuring Success: Describe how the project will be evaluated, including how success will be defined and measured. A final report will be required, which must include quantitative and qualitative results, lessons learned, and recommendations for future actions. Describe how evaluation results will be used and distributed, including any products that will result from the project.

The Township will evaluate the success of the recycling program by the number of (increased) participants in the recycling program as well as the (increased) tonnage of recycled goods that have been collected. The program will be evaluated and the results will be avalable on the Townshp website, at the township hall, as well as included in one of the township newsletters, which is distributed to all households in the Township.

If any, what are additional goals and objectives of this project?

In addition to increasing the number of participating single-familiy and two-family households in the recycling program, the Township anticipates that the general awareness of the recycling program will encourage all single-family and two-family households to participate as well as promote the future expansion of the recycling program to include the business community and multi-family households.

Upload any additional supporting data or information regarding this project:

(Optional)

Cascade Cart Solutions Proposal - Ypsilanti Twp 96g Recycling Carts. 8-12-21.xlsx

Partnerships and Collaborations

Describe community support and/or partners for the grant project. Describe how/if the funding provided in this grant is leveraging additional investment from partners.

Ypsilanti Charter Township is working with the Washtenaw County Water Commissioner's Office as well as The Recycling Partnership to promote the recycling efforts put forth through this grant application. The Washtenaw County Water Commissioner's Office is responsible for the health, safety, and welfare of the citizens of Washtenaw County by protecting the surface water and the environment. The Recycling Partnership is a national foundation aimed to improve recycling efforts throughout the United States. Along with this grant, the Recycling Foundation and the Washtenaw County Water Commissioner's Office have both committed to provide matching funds for this project. The Recycling foundation will assist in the purchase of recycling carts for all households as well as educational funds to promote recylcing in the Township. Their commitment (based on the full grant request being awarded) is $242,640, which is $15/cart ($15 x 15,165=$227,475) and $15,165 for education (or $1 per household). The Washtenaw County Water Commissioner's Office has a grant program that will be utilized to further reduce the Township's portion of the project. They have several applicants, including Ypsilanti Charter Township, and appoximately $50,000 remaining in this fiscal year.

How many letters of support do you have accompanying this application, if any?

You can save this draft to add letters at a later time or once you submit your application edit before the Grant Cycle closing date to attach Letters.

4

Letter of Support

Ypsilanti Charter Township Letter of Submittal. 8-13-21.pdf

Letter of Support

Recycling Partnership Support Letter. 8-12-21.pdf

Letter of Support

Washtenaw County Water Commissioner Support Letter. 8-10-21.pdf

Letter of Support

Waste Management Letter of Support. --.pdf

Work Plan, Timeline and Budget:

Work Plan and Timeline

Long Term Viability: Describe how the project will be sustained beyond the grant timeline.

The recycling carts will be assigned to specific addresses and not to the residents. This will enable the cart to remain at the property for the life of the carts. The life of the carts is 10 years, at which time the replacement of the carts will be reevaluated.

Provide a brief narrative describing the work plan and timeline:

Ypsilanti Charter Township is seeking to purchase a 96-gallon cart for each single and two-family household in the Township. In addition, through the grant from the Recycling Partnershipo, additonal funds will be sought for the education program associated with the recycling grant. The will cost $66 each. For 15,165 households the cost of the carts will come to $1,000,890 and the educational grant from the Recycling Partnership is $15,165. The total cost of the program is $1,016,055. Asthere are 2,242 96-gallon carts, those carts will not be a part of this grant request, but will be paid for by Ypsilanti Charter Township, the Recycling Partnership, and Washtenaw County Water Commissioner's Office. The remaining 12,923 carts will be purchased with the EGLE grant and the Recycling Partnership grant. Ypsilanti Charter Township has been working with the Recycling Partnership and Washtenaw County Water Commissioner's Office and will submit applications in September. Grant funds are anticipated to be available in October, at which time, the carts will be ordered. Once they are delivered they will be placed at each property for use.

Work Plan and Timeline Upload:

Work Plan and Budget Documentation. 8-13-21.docx

Please attach a descriptive work plan and timeline which includes:

- Identification of the tasks and responsible party for implementation of the project.
- Identification of the tasks and party responsible for preparing quarterly progress reports and the final project report.
- A timeline of activities, showing when each task described will be started and completed.
- Identification of when quarterly milestones will be achieved.

Budget

What is the overall Project Cost?

$924,003

How much match funding is being contributed?

$343,373

What grant amount is being requested?

$580,630

Match Percentage

37.161459432491

Budget Attachment

Please download the following budget document to complete and attach to this application: Budget Attachment

- Include a price quote for any item(s) to be purchased.
- Description of the source(s) of match funding to be used for the planned expenses
- Describe each task on the form, and provide the total cost for each task, breaking down the total cost by how much the grant will pay for that cost versus how much the grantee or partner will pay.
- The milestones and associated costs will be used to create the grant agreement and grant payment schedule.
  Right click the link to open in new tab

Budget Upload:

MMD-Sustainability-Recycling-Financial_Status_Report_-_Budget_Template_722383_7 (3).xlsm

Closing:

DUNS Number

If known, use www.sam.gov to find your DUNS number if you have one.

78-1488648

Federal ID Number

Will be required if selected for final review

386007433

State Senator

Find your Senator:
https://www.senate.michigan.gov/fysbyaddress.html

Senator Jeff Irwin

State Representative

Find your State Representative:
https://www.house.mi.gov/MHRPublic/frmFindARep.asp

Representative Ronnie Peterson

(Right click the links to open in new tab, otherwise you may be directed away from this page with changes not saved)

CASCADE
cart solutions
a cascade engineering company

PROPOSAL

			Proposal # Mike081221
			August 12, 2021

QUOTE PREPARED FOR	SHIP TO
Mike Hoffmeister	Ypsilanti, MI
Charter Township of Ypsilanti	
7200 South Huron River Drive	
Ypsilanti, MI 48197	
734-366-0911	

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	EXTENDED PRICE
96-Gallon Sterling Series EcoCart	**15,165**	**$54.95**	**$833,316.75**
- Color and Stamping TBD			
Assembly and Delivery to Residents	**15,165**	**$4.00**	**$60,660.00**
- Unload Incoming Delivery Trucks			
- Assemble and Delivery of Containers Curbside			
- Scanning of RFID Tags to Residential Addresses			
- Hanging Customer Supplied Literature Bag on Cart			

Subtotal			$893,976.75
Sales Tax (if applicable on Product)		0.00%	$0.00
Freight	27	$550.00	$14,850.00
Sales Tax (if applicable on Freight)		0.00%	$0.00
Total			**$908,826.75**

DETAILS			
Freight: 27 loads at $550/load			
Wheel Size: 10"			
Lead time: TBD			
Payment Terms: NET45			
Warranty: 10 year Non-Prorated			
Quote Valid Until: 10/1/21			
All applicable taxes to be paid by buyer unless tax exemption certificate is provided.			

PRESENTED BY	**ACCEPTED BY**	
Brian Miller, Regional Sales Manager	Sign Name	Date
Cascade Engineering, Inc.		
4950 37th Street SE		
Grand Rapids, MI 49512	Print Name & Title	Phone
(616) 915-1693 (cell)		
(616) 975-4902 (fax)		

YPSILANTI CHARTER TOWNSHIP
WORK PLAN

Waste Management has recently increased the cost of the 96-gallon recycling carts to the residents of Ypsilanti Charter Township. The Township is seeking a grant to purchase 15,165 96-gallon recycling carts. These carts will go to all single and two-family households in the Township. These carts will replace all existing recycling carts, 15-gallon bins, 32-gallon carts, and 96-gallon carts to the residents at no cost to them. A total of 7,887 households currently recycle but of that number only 2,242 have 96-gallon carts.

With the additional carts/upgrade to the 96-gallon carts, recycling is expected to increase in number of participants and the tonnage that is collected by Waste Management.

The Township will purchase 3000 carts beginning in April 2022 and will continue to purchase 3000/month until August when the Township will purchase 3,150 and complete the acquisition of the carts.

Waste Management will monitor the amount of materials collected and will report the amounts back to the Township. Michael Hoffmeister or his representative, will represent the Township and will submit quarterly reports as required to EGLE.

Matching Funds

Ypsilanti Charter Township will be seeking a grant from the Recycling Partnership as part of the match for the Grant. The Recycling Partnership will pay $15/cart or household and $1/household for a total of $16/household. At 15,165 households, their total match will be $242,640.

The Township will be seeking grant funds from the Washtenaw County Water Commissioner's Office to assist in the purchase of the carts. They have not committed an amount but have indicated that some funds are available. The Township will use these funds to reduce the Township's portion of the matching funds, which is $100,733. The Township's funds will be taken from the general fund budget.

As stated previously, the Township will purchase 3,000 carts beginning in April 2022 and will continue to purchase 3,000 per month and will complete the purchase of the carts by August 2022. The Township will seek reimbursement of each purchase to both EGLE and the Recycling Partnership.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

MATERIALS MANAGEMENT DIVISION

RECYCLING PROGRAM

FINANCIAL STATUS REPORT

Grantee / Vendor Name: Charter Township of Ypsilanti

Vendor Number:

Project Name: Recycling Infrastructure Grant

Grant Given Number:

Contract Date From: **To:**

Contact Name: Mike Hoffmeister **Contact Number:** 734-544-3515

Contact Email: mhoffmeister@ytown.org

INFRASTRUCTURE ITEM	Budget Line Number	Amount
96-gallon curbside carts	1	$ 924,003
	2	
	3	
	4	
Task Subtotal		**$ 924,003**

INDIRECT BUDGET	Percentage	
Total	**0%**	**$ -**
PROJECT BUDGET		
Total		**$ 924,003**
MATCH BUDGET	**Percentage**	
Total	**63%**	**$ 580,630**
GRANT BUDGET		
Total	**37%**	**$ 343,373**

THE RECYCLING PARTNERSHIP

125 Rowell Court
Falls Church, VA 22046
864.760.8828

RECYCLINGPARTNERSHIP.ORG

RECYCLING PARTNERSHIP GRANT AGREEMENT

This Grant Agreement is hereby made and entered into on the last date of execution below ("Effective Date"), by and between The Recycling Partnership, Inc. ("The Partnership") and Ypsilanti Charter Township, Michigan ("Grantee"), which are referred to collectively herein as the "Parties" and individually as a "Party."

1. **Grant Agreement Documents; Entire Agreement**: This Grant Agreement consists of this document and its attachments: (a) Terms and Conditions (Attachment A), and (b) Work Plan (Attachment B). This Grant Agreement comprises the entire agreement between the Parties and supersedes any and all previous and contemporaneous agreements and representations, whether oral or written.

2. **Term**: The Grant Agreement shall be effective during the Grant Period, which begins on the Effective Date and ends on January 31, 2024 unless the Parties agree to amend the Grant Agreement as provided in Paragraph 8.

3. **Grantee's Duties**: Subject to Paragraph 10 hereof, the Grantee shall take reasonable and appropriate steps to substantially complete the Work Plan as set out in Attachment B and under the conditions set forth in Attachment A.

4. **Duties of Partnership and Grantee**: The Partnership shall make cash grants to the Grantee in an amount not to exceed TWO HUNDRED FORTY THREE THOUSAND TWO HUNDRED DOLLARS ($243,200) to support the purchase of recycling carts and educational and outreach efforts with the goal of improving and enhancing Grantee's residential curbside recycling program ("Cash Grants"). The details of the Cash Grants and the anticipated costs and expenditures associated with this grant project are detailed in the section f, Project Budget and Grant Funding, of Attachment B.

In addition to the Cash Grants, during the Grant Period The Partnership shall also provide the Grantee with access to resources, Partnership staff time, and other in-kind services with an estimated value of ONE HUNDRED TWENTY FIVE THOUSAND DOLLARS ($125,000). The purpose of these in-kind services is to support the Grantee's public recycling program through the provision of technical support for strategic planning, program assessment, and recycling education and outreach including graphic design customization. The amounts set forth below represent The Partnership's intended distribution of

in-kind resources to the Grantee.

Description of In-Kind Resources from The Recycling Partnership	Projected Value
Access to Recycling Partnership educational campaign materials	Up to $100,000
Dedicated technical assistance and outreach campaign design support from Partnership staff	Up to $25,000
Total projected value of in-kind assistance and support	Up to $125,000

In exchange for the Cash Grants and in-kind resources from The Partnership, the Grantee will (i) commit staff time and resources for the planning and implementation of the project that is the subject of this Grant Agreement, including producing and distributing educational materials, conducting recycling program operations, supporting research and program analysis, and providing additional support as the project requires in the Work Plan as set out in Attachment B, and under the conditions set forth in Attachment A.

Subject to Paragraph 10 hereof, the Grantee will take reasonable and appropriate steps to substantially complete the Work Plan in accordance with the Anticipated Implementation Timeline described in the Work Plan.

5. Distribution Provisions: The Partnership shall distribute Cash Grants to the Grantee to reimburse the Grantee for actual allowable expenditures the Grantee has made or otherwise incurred during the Grant Period (collectively, "Allowable Expenditures" and individually, an "Allowable Expenditure"). An Allowable Expenditure is one associated with work performed or goods or services acquired to complete the Work Plan as set out in Attachment B as determined by The Partnership in its sole and absolute discretion. Excluding the final Cash Grant, The Partnership shall make such distributions to the Grantee within thirty (30) days of receiving from the Grantee invoices prepared as described in Paragraph 6 hereof documenting Allowable Expenditures. Total Cash Grants from The Partnership will not exceed ninety percent (90%) of reimbursable costs until the submittal of a final report ("Final Report") as defined in section u, Reporting and Additional Post Award Requirements, of Attachment A; the remaining ten percent (10%) of reimbursable expenses shall be paid upon Final Report submittal. Cash Grants may be distributed to the Grantee by check or direct deposit, as the Grantee and The Partnership shall mutually agree prior to the distribution of a Cash Grant.

6. Invoices: As described in section v, Reimbursement, of Attachment A, the Grantee shall submit reimbursement requests to The Partnership in the form of an invoice using a template provided by The Partnership. All invoices submitted to The Partnership by the Grantee shall be accompanied by reasonable and appropriate evidence for The Partnership to determine the actual amounts paid by the Grantee for work and services associated with Allowable Expenditures, and documentation that provides evidence of payment by the Grantee for all Allowable Expenditures submitted, which shall include copies of invoices for Allowable Expenditures for which the Grantee is seeking reimbursement. The

Grantee's final invoices must be received by The Partnership with the Grantee's Final Report. In addition to supporting documentation, the Grantee shall provide a summary of the expenses paid by the Grantee in a table or spreadsheet outlining the expense, vendor, and the purpose of the expense. Upon delivery of such invoices and documentation, the Grantee will then be eligible for reimbursement of up to ninety percent (90%) of the amount of the Cash Grants to be provided by The Recycling Partnership for Allowable Expenditures and with the final ten percent (10%) available as detailed in Paragraph 5 above.

7. **Grant Contacts**: Contacts for purposes of this Grant Agreement are set forth below.

Partnership Chief Community Strategy Officer:	**Partnership Project Manager:**	**Grantee Project Manager:**
Cody Marshall Telephone: (919) 612-7127 Email: cmarshall@recyclingpartnership.org	Cassandra Ford, Community Program Manager Telephone: (785) 840-4048 Email: cford@recyclingpartnership.org	Mike Hoffmeister, Residential Services Director Telephone: (734) 544-3515 Email: mhoffmeister@ytown.org

8. **Changes, Amendments, and COVID-19 Matters**: Any change to this Grant Agreement that increases or decreases the amount of the Cash Grants is not effective until approved in writing by the Chief Community Strategy Officer of The Partnership and the Grantee. This Grant Agreement may be amended only in a writing signed by both of the Parties.

As of the Effective Date, each Party intends to undertake all activities detailed in the Grant Agreement. The Parties, however, recognize the uncertainties caused by the COVID-19 pandemic and resulting public health emergency ("Health Emergency") may impact their respective performance hereunder. The Grantee plans to meet all Grantee funded activities in the Grant Agreement and will undertake all reasonable good faith efforts to do so; however, the Grantee cannot guarantee resources will be available. Similarly, The Partnership plans to meet all of its obligations hereunder and will undertake all reasonable good faith efforts to do so; however, The Partnership cannot guarantee that the Health Emergency will not impact its performance hereunder. By way of illustration, but not limitation, The Partnership has adopted various safety protocols, which are intended to ensure that services conducted by third party vendors can be performed safely and which may be more stringent than applicable local, state and/or federal rules, regulations and/or guidelines and/or Centers for Disease Control and Prevention ("CDC") and/or World Health Organization ("WHO") recommendations related to the Health Emergency. Such safety protocols adopted by The Partnership may require that one or more of the activities contemplated herein be suspended and/or terminated. Moreover, one or more third-party vendors may be unable to provide services as contemplated hereunder due to local, state and/or federal social distancing rules, regulations and/or guidelines or CDC and/or WHO recommendations, or if operational impacts due to the Health Emergency make it not feasible for one or more of such services to be conducted by such vendor. Furthermore, due to social distancing guidelines and other operational

impacts related to the Health Emergency, the Grantee cannot guarantee that all activities in the Grant Agreement will be feasible. If either Party or a third-party vendor is unable to meet its responsibilities under the Grant Agreement, or if operational impacts due to the Health Emergency do not make activities of a Party or a third-party vendor set out in the Grant Agreement feasible, such Party or The Partnership on behalf of a third-party vendor, as the case may be, will immediately notify the other Party in writing. At such time, The Partnership can terminate the Grant Agreement or the Parties can mutually agree to modify this Grant Agreement. If the Grant Agreement is terminated by The Partnership, all reimbursable expenses incurred by the Grantee up to the termination date and incurred in good faith to fulfill the Grantee's obligations hereunder may be reimbursed to the Grantee by The Partnership pursuant to Paragraph 5 hereof.

9. **Signature Warranty**: Each of the undersigned represents and warrants that he or she is authorized to execute this Grant Agreement.

10. **Appropriations Limitation**: All expenditures and other performance by the Grantee under this Grant Agreement are subject to appropriations by the Board of Trustees of the Grantee. Consequently, this Grant Agreement shall bind the Grantee only to the extent the Grantee appropriates sufficient funds for the Grantee to perform its obligations hereunder.

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The parties have executed this Grant Agreement as of the Effective Date.

The Recycling Partnership, Inc.

By: _____

Rob Taylor, Director of Grants and Community Development

DATE: 8-30-2022

Ypsilanti Charter Township, Michigan

By: _____

Brenda Stumbo, Township Supervisor

DATE: Sept. 7, 2022

By: _____

Heather Jarrell Roe, Township Clerk

DATE: Sept. 7, 2022

Attachment A: Terms and Conditions

a. Termination: Either Party may terminate the Grant Agreement in writing with thirty (30) days' notice to the other Party. If the Grantee fails to substantially fulfill its obligations under this Grant Agreement in a timely and proper manner, The Partnership may provide written notice to the Grantee of its intent to terminate the Grant Agreement. Such notice shall specify the reasons for termination and allow the Grantee thirty (30) days to mitigate any specified reasons. If the Grantee fails to cure, as determined by The Partnership in its sole discretion, The Partnership may terminate this Grant Agreement by giving written notice to the Grantee of such termination and the effective date of such termination. In such event, the Grantee may receive Cash Grants equal to the total amount of actual allowable expenditures paid or entered into in good faith and subject to the other terms and conditions of this Grant Agreement that were incurred by the Grantee prior to receipt of a notice of termination from The Partnership and submitted for reimbursement within thirty (30) days of such receipt date in accordance with Paragraphs 5 and 6 of this Grant Agreement.

b. Notices: All notices required by the terms of this Grant Agreement to be sent to The Partnership must be delivered by email with a read receipt requested to cmarshall@recyclingpartnership.org with a copy to cford@recyclingpartnership.org.

All notices required by the terms of this Grant Agreement to be sent to the Grantee must be delivered by email with a read receipt requested to the Grantee's Project Manager, Mike Hoffmeister, at mhoffmeister@ytown.org.

c. Recycled Paper: The Partnership encourages the Grantee, if cost effective, to have all publications produced as a result of this Grant Agreement be printed double-sided on recycled-content paper with minimal thirty percent (30%) post-consumer recycled content.

d. Lobbying: The Grantee shall not use or appropriate any Cash Grant to carry on propaganda or otherwise attempt to influence legislation.

e. Compliance with Work Plan: The Grantee shall substantially adhere to the timeline and objectives detailed in the Work Plan as set out in Attachment B and strive to make sufficient progress toward fulfilling such timeline and objectives.

f. Extensions: The Partnership may grant extensions of time for the Grantee to perform its obligations hereunder, but such extensions are not guaranteed. If the Grantee desires an extension, the Grantee shall submit a written request to the Chief Community Strategy Officer of The Partnership at least sixty (60) days prior to the end of the Grant Period.

g. **Retroactive Costs**: Costs incurred before the Grant Period are not eligible for reimbursement unless approved in writing by the Chief Community Strategy Officer of The Partnership.

h. **Travel Expenses**: Cash Grants from The Partnership may not be used for travel expenses without prior written approval from the Chief Community Strategy Officer of The Partnership.

i. **Technical Assistance:** The Grantee agrees to work with The Partnership during the design, implementation and monitoring of the program improvements, both educational and operational, during the Grant Period.

j. **Collection Frequency:** The Grantee must provide residents with a recycling program under which recyclables are collected on a weekly or every other week basis. Collection frequency impacts cart size as follows:

- Weekly collection: minimum of 64+ gallon cart is required.
- Every other week collection: 93+ gallon cart size is required.

The Grantee, at its discretion, may distribute carts that are smaller than required above but such carts will not be eligible for grant funding.

k. **Cart Distribution:** The Grantee must distribute carts for recycling collection free of additional charge to residents beyond standard monthly utility rate for waste and recycling services and in accordance with existing policies and procedures of the Grantee. Grant funding is limited to supporting the distribution of one (1) recycling cart to each eligible household.

l. **RFID (Radio Frequency Identification) Tags:** The Grantee must acquire and distribute carts with embedded RFID tags.

m. **Recycled Content Requirement:** The Grantee must acquire and distribute recycling carts that have been manufactured with a minimum of five percent (5%) residential post-consumer recycled plastic content based on the weight of the entire mass of the body, lid and wheels. To qualify as residential post-consumer content, the reclaimed plastic must have been generated by a household and collected for recycling by a curbside or drop-off recycling program. This content requirement cannot be met through the use of post-industrial plastics or plastic sourced from end-of-life carts or bins.

n. **Material Collection and Management of Recyclable Materials:** The Grantee shall provide a

listing of the materials currently accepted for recycling. After a review by The Partnership of recycling materials already accepted by the Grantee, the Grantee shall work with its Materials Recovery Facility ("MRF"), hauler (if applicable) and The Partnership and/or a contractor hired at The Partnership's expense to evaluate the current mix of recycling materials collected residentially and consider the inclusion of other recyclable materials as appropriate in curbside collection.

The Parties agree that recyclable materials meeting reasonable contamination standards established by the Grantee and Grantee's MRF operator that are collected for recycling by the program benefitted by Cash Grants made pursuant to this Grant Agreement will be delivered to a reputable processor for recycling and recovery. The Grantee shall work in good faith with The Partnership to address any issues related to the recycling and/or recovery of such materials with the goal that properly prepared recyclable materials collected by the Grantee's program will be managed responsibly.

o. **Educational Best Practices:** When working with communities that are distributing recycling carts The Partnership utilizes a behavior change approach to recycling education that consists of three main components. The key three (3) behavior change educational components include: 1) a direct-to-resident information card/hanger informing them that recycling carts are coming; 2) a kit of information delivered with the recycling cart, which includes an acceptable materials information card/magnet/sticker, an introductory letter, service calendar, etc.; and 3) a plan for the use of oops/congrats tags or other anti-contamination strategies to reinforce correct recycling behavior after carts have been delivered. At a minimum, The Partnership requires that Cash Grants allocated for education and outreach be used for the procurement of these key three (3) items unless otherwise agreed in writing by the Parties. To support an effective campaign, The Partnership encourages the Grantee to select at least two (2) additional awareness communication components, such as digital and/or print advertisements, festival/event kit, billboards, truck signage, etc. Finally, The Partnership requires the Grantee to update its website to communicate the basics of the cart roll out to its citizens and community and that such website include at a minimum a listing of acceptable materials and how to get additional information about the recycling collection schedule.

p. Publicity and Press Events: The Grantee may make information regarding this Grant Agreement and the associated grant project public at any time after the agreement has been fully executed and in a manner which it deems appropriate. This requirement is not intended to limit or otherwise restrict Grantee's public information obligations or requirements, and is instead intended to allow the Parties to coordinate around public announcements about the project. Grantee agrees to cooperate with reasonable efforts by The Partnership to publicize the grant, including, but not limited to designating a suitable representative to appear on behalf of Grantee at publicity events, providing relevant and pertinent information to include in press releases and distributions, and responding as

appropriate to relevant and pertinent press inquiries. The Partnership agrees to give reasonable notice to the Grantee's Grant Contacts regarding any such publicity / press events.

q. **Graphic Design Edits:** The Partnership will work with the Grantee to customize educational materials to fit the needs of the Grantee's campaign in accordance with the timeline established by the Parties. The Grantee must give at least five (5) days' notice for any edits or changes to educational materials that are to be conducted by The Partnership. If the Grantee uses a third-party service provider for the design of education and outreach materials, The Partnership will cooperate with the third-party service provider by providing access to Partnership tools, artwork, and images for use by such third-party provider. The Partnership will not, however, provide customized design services to such a third-party service provider. The Partnership will work with the Grantee on campaign materials and will provide two (2) rounds of edits to the graphic design of these materials. Additional rounds of editing on graphic design materials may be provided by mutual agreement between the Parties. The project timeline may be delayed if there are approval delays during the two rounds of edits. This may result in the extension of the deadline of project completion. It is a best practice to have one Grantee staff member serve as the point of contact for the Grantee and collect all approvals and edits to educational materials to give back to The Partnership for graphic design completion. Print buying and approvals are the sole responsibility of the Grantee.

r. **Logo Usage:** The Grantee shall use The Partnership logo with the phrase "Funded in part by" on all education materials associated with the project that is the subject of this Grant Agreement, unless otherwise agreed by the Parties or prohibited by law. When a Partnership project is funded by one or more other funders, then, in addition to The Partnership logo, such funders may also need to be acknowledged by the Grantee in communications materials with the "Funded in part by" language, and the use of one or more funder logos may be requested, with the final acknowledgment to be developed by mutual agreement between the Parties. Prior to finalization, The Partnership requires proof review of any campaign materials developed by the Grantee or a third party that uses campaign images, graphics or logos of The Partnership and any other funders. Upon presentation of materials for review, The Partnership agrees to review proofs and provide feedback within five (5) business days, or it shall lose the right to require the use of The Partnership logo, and the logos of any additional funders and associated use of the "Funded in part by" phrasing. The Partnership understands that under no circumstances may the Grantee appear to be endorsing or advertising on behalf of a private business.

s. **Compliance with Patent, Trademark and Copyright Laws:** The Parties agree that all work performed under this Grant Agreement shall comply with all applicable patent, trademark and copyright laws, rules, regulations and codes. The Parties further agree that neither will use any protected patent, trademark or copyright in performance of their respective work unless a Party has obtained proper

permission and all releases and other necessary documents. The Parties agree to release, indemnify and save one another harmless from any and all claims, damages, suits, costs, expenses, liabilities, actions or proceedings of any kind or nature whatsoever, of or by anyone whomsoever, in any way resulting from, or arising out of, directly or indirectly, the performance or work under this Grant Agreement which infringes upon any patent, trademark or copyright protected by law.

t. Electronic Signatures and Electronic Records: The Partnership consents to the use of electronic signatures by the Grantee. The Grant Agreement, and any other documents requiring a signature under the Grant Agreement, may be signed electronically by the Grantee in the manner specified by the Grantee. The Parties agree not to deny the legal effect or enforceability of the Grant Agreement solely because it is in electronic form or because an electronic record was used in its formation. The Parties agree not to object to the admissibility of the Grant Agreement in the form of an electronic record, or a paper copy of an electronic document, or a paper copy of a document bearing an electronic signature, on the ground that it is an electronic record or electronic signature or that it is not in its original form or is not an original.

u. Reporting and Additional Post-Award Requirements: The Grantee shall comply with reporting requirements, including:

- The Grantee shall provide The Partnership, within fifteen (15) days of the Effective Date, a notice as set out in section b hereof with the Grantee's employer identification number, as that term is defined in Treasury Regulations section 301.7701-12, and was assigned to the Grantee by the Internal Revenue Service pursuant to (i) Code Section 6011(b), (ii) corresponding provisions of prior law, or (iii) Code Section 6109, and which consists of nine digits separated by a hyphen in the following format: 00-0000000.
- In order to establish a baseline for measurement of project success, the Grantee shall provide The Partnership with monthly waste and recycling tonnage data for at least the twelve (12) month period immediately before the project that is the subject of this Grant Agreement is initiated. If such data is not available, then Grantee agrees to work with The Partnership to help develop estimates for waste and recycling tonnage data for the baseline period.
- The Grantee shall deliver to The Partnership monthly waste and recycling data reports on a quarterly basis for the later of (i) through the end of the Grant Period as defined in Paragraph 2 of the Grant Agreement and (ii) one (1) calendar year beyond the date of the implementation of the project that is the subject of this Grant Agreement. Such reports shall be submitted electronically to The Partnership via a reporting system and format established by The Partnership.
- The Grantee shall establish an account with the Municipal Measurement Program ("MMP") system for annual reporting. Reporting in the MMP system is free and involves entering annual tonnage data and answering questions about waste and recycling programs and services through a web-based analytical tool. The Grantee, upon finalization of this Grant Agreement, shall submit waste and

recycling data about their most recently completed annual period into the MMP system, and to aid in the tracking of the long-term impacts of the work conducted, the Grantee commits to reporting annually in the MMP system for five (5) years following the term of this Grant Agreement.

- The Grantee shall submit to The Partnership for review a draft Final Report at least thirty (30) days prior to the end of the Grant Period. The Partnership will provide the required format for the Final Report and will provide feedback to the Grantee about the draft Final Report, including necessary changes and points of clarification, within fourteen (14) days of receipt of the draft Final Report, and a fully reviewed and finalized Final Report is required to be submitted within sixty (60) days of the end of the Grant Period.
- The Grantee shall submit to The Partnership documentation from the Grantee's cart manufacturer providing assurance that the recycling carts purchased with the assistance of Cash Grants have been manufactured with a minimum of five percent (5%) residential post-consumer recycled plastic content meeting the standard described in section m, Recycled Content Requirement.
- Additional reporting requirements may be included in Work Plan set out in Attachment B.

v. **Reimbursement:** As set out in Paragraph 5 of the Grant Agreement, Cash Grants will be distributed by The Partnership on a reimbursement basis. When seeking reimbursement for grant related expenditures, the Grantee must utilize the format provided by The Partnership. When submitting reimbursement requests, the Grantee must include a copy of any invoices or receipts for which the Grantee seeks reimbursement from The Partnership. All invoices should be accompanied by associated proof that the Grantee made payment for the invoices in question. Acceptable proof of payment includes copies of canceled checks or Grantee finance system reports showing that the payment was made.

The Partnership shall reimburse the Grantee for actual allowable expenditures with The Partnership retaining ten percent (10%) of the amount of the Cash Grants until all grant related activities are completed and all reports are received and accepted. The remaining ten percent (10%) of reimbursable expenses shall be paid upon completion of a satisfactory Final Report as described in section u, Reporting and Additional Post-Award Requirements.

The Partnership may withhold making Cash Grants if the Grantee does not meet its reporting obligations as set out in section u, Reporting and Additional Post-Award Requirements.

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Attachment B: Work Plan

a. **Background:** Grantee currently operates an opt-in curbside recycling program with collection and transportation of recyclables conducted by a Grantee-contracted vendor. Households that have opted into the curbside recycling service may utilize a 15 gallon bin, provide their own 32-gallon cart, or rent a 96-gal cart from the Grantee-contracted vendor. This recycling program provides the option for every-other-week collection frequency to approximately 15,200 households, of which almost 7,900 households participate with approximately 2,300 of those participating households renting carts from Grantee's vendor. Materials collected by this program are currently sent to the Green For Life (GFL) Evironmental Huron MRF. Grantee staff estimate that the curbside recycling program serving the grantee's residents collects approximately 1,300 tons of recyclables annually.

In an effort to standardize the Grantee's curbside recycling collection program, the Grantee intends to distribute 95-gal recycling carts to all residential curbside-eligible households in its jurisdiction, thereby negating the needs for residents to opt into the program and provide or rent their own carts. The purpose of this grant is to support the Grantee's implementation of cart-based curbside recycling in Spring 2022.

b. **Project Description:** With the support of grant funding and assistance from The Partneship, the Grantee will distribute recycling carts to all eligible households within the Grantee's jurisdiction. The Grantee will distribute 95+-gallon recycling carts with the goal being to provide each curbside recycling household with one (1) recycling cart and to broadly adopt a uniformly sized recycling cart as the standard while accommodating those households and citizens with special needs. In addition, with support from The Partnership, the Grantee will implement a jurisdiction-wide education and outreach campaign to support its curbside recycling program.

c. **Measurement Plan:** The Grantee will implement a system for tracking the number of households eligible to receive curbside recycling service along with the number of households that have been issued a recycling cart. As possible, Grantee will work with its recycling service provider to measure the curbside recycling set out rate for each of the recycling routes serving its jurisdiction, and as this data is available Grantee shall share it with The Partnership. The Grantee will also implement a system for tracking monthly tonnage data for municipal solid waste and curbside recyclables, with the particular goal of measuring waste and recyclables generated by and collected from curbside recycling eligible households. Required reports transmitting the number of households receiving curbside recycling services, monthly tonnage data and other project elements will be provided to The Partnership as outlined in section u, Reporting and Additional Post-Award Requirements, of Attachment A.

To the degree possible and as opportunities arise and resources allow, the Grantee will also work with The Partnership and the Grantee's MRF operator to evaluate contamination and capture rates of

recovered materials and this data will be shared with The Partnership when and if it becomes available. It is further possible, but not required, that The Partnership may present the Grantee with the opportunity to collaborate in a Partnership-funded study to assess pre and post implementation capture rates for individual recyclable materials. Such a study, if conducted, will be planned in collaboration with Grantee, and Grantee will have access to results of this measurement work.

d. Public Outreach Plan: The Grantee will work closely with The Partnership to develop and implement an effective education and outreach campaign in support of the Grantee's curbside recycling program utilizing the approach outlined in section o, Educational Best Practices, of Attachment A. Technical support will be provided by The Partnership as set out in this Grant Agreement. The Grantee will partner closely with The Partnership to maximize the educational efforts and materials developed during this campaign.

This educational effort will focus on educating residents about how to recycle with carts and will also work to ensure that residents are informed of what is acceptable and not acceptable in the recycling carts. A heavy emphasis of this campaign will be around how to prepare materials for recycling collection and ensuring that residents know their recycling collection schedule and service day. The educational effort will target all curbside recycling households in the Grantee's service jurisdiction and will at a minimum utilize these supporting tools:

- Direct to resident "Carts are Coming" informational mailers for all curbside households;
- A packet of information about recycling to be delivered with the cart to all households that receiving a recycling cart; and
- The implementation of anti-contamination strategies, as needed, to reinforce correct recycling behavior.

In addition, and as agreed upon by the Parties, outreach efforts may be expanded to include some or all of the following outreach elements:

- Public activation event to drive citizen engagement in recycling;
- Social media boosting;
- Paid advertisements; and/or
- Other strategies determined effective by the Parties.

e. Anticipated Implementation Timeline: The Parties agree to develop and maintain a detailed Project Timeline providing milestones in the implementation of the project. The anticipated key dates in the project are as follows:

- August 2022– Initiate planning for education and outreach campaign and support the implementation planning of cart-based curbside recycling;

- October 2022– Begin public-facing education and outreach efforts to support the launch of cart-based curbside recycling collection;
- November 2022– Launch and complete distribution of recycling carts and information packets to all eligible households;
- December 2022- Implement jurisdiction-wide cart-based curbside recycling collection.

The Parties acknowledge the difficulty of predicting the exact dates for implementation of the various elements of this project. With this in mind, the above dates are intended as milestones, and with the understanding that if unanticipated changes or delays in the above schedule occur, then the Parties agree to revisit the timeline and adjust as necessary to pursue the successful implementation of the project as described in section b, Project Description, above. In addition, and as necessary, the Parties may modify the Grant Period as set out in Paragraph 2 of the Grant Agreement.

f. Project Budget and Grant Funding: The Partnership's Residential Curbside Recycling Cart Grant Program provides grant funding of no more than $15.00 per qualifying curbside recycling cart and up to $1.00 per household for supportive education and outreach materials. Qualifying recycling carts meet the conditions defined in sections j, k, l and m of Attachment A. The actual amount of Cash Grants may vary based on the actual number of carts distributed as well as the total number of households served by the curbside recycling program as determined at the time of cart distribution and as verified by the Grantee's staff and documents provided pursuant to Paragraph 6 of the Grant Agreement. Cash Grants paid for recycling carts will be based on the number of recycling carts distributed to participating households, will be limited to paying for one (1) cart per participating household, and shall not exceed the amount specified in the table below. The Grantee may, at its discretion, provide households with more than one (1) recycling cart, but in such instances Cash Grants shall only be available for one (1) cart per household. Cash Grants for recycling outreach shall be paid at the rate of up to $1.00 per household and will be based on the total number of households served by the curbside recycling program as verified by the Grantee. The budget for Cash Grants as illustrated below assumes the provision of recycling carts and supportive education and outreach to 15,200 households by the Grantee.

The amounts set forth in the table below represent The Partnership's intended distribution of Cash Grants to the Grantee:

Grant Element	Description	Grant Amount
Recycling Carts	Grant funding to support the purchase and distribution of qualifying recycling carts by the Grantee to all eligible households for automatic every-other-weeky curbside recycling collection.	$228,000
Education and Outreach Support	Grant funding to implement a recycling education and outreach campaign in support of curbside recycling.	$15,200
Total		$243,200

All costs associated with project implementation beyond the direct grant funding from The Partnership will be the responsibility of the Grantee. It is understood that Cash Grants for recycling carts may be combined with local funding as well as grant funding from other sources to purchase and distribute recycling carts. It is also understood that actual expenses may vary depending on a variety of factors, including the number of recycling carts distributed, the number of households served by the curbside recycling program, and the actual expenses associated with the Grantee's education and outreach effort. Upon mutual agreement of the Parties, the final allocation of Cash Grants may be adjusted between expense categories as necessary. The actual amount of Cash Grants will be based on actual reimbursable expenditures as outlined in section v, Reimbursement, of Attachment A, and the total amount of Cash Grants shall not exceed the amount specified in Paragraph 4 of the Grant Agreement. Any Cash Grants to the Grantee are subject to the requirements set out in Paragraph 10 of the Grant Agreement. The Grantee shall only invoice and receive reimbursement for actual allowable expenditures incurred.

MEMORANDUM OF UNDERSTANDING FOR
WASTE REDUCTION SPONSORSHIP

BETWEEN
YPSILANTI CHARTER TOWNSHIP, 7200 S HURON RIVER DRIVE, YPSILANTI, MI 48197
AND
WASHTENAW COUNTY GOVERNMENT, 705 N. ZEEB ROAD, ANN ARBOR, MI 48103

This document constitutes a Memorandum of Understanding between Ypsilanti Charter Township, herein referred to as the "sponsored party" and Washtenaw County Solid Waste Division starting 3/21/2022 and will expire on 12/31/2023.

Background:

To expedite progress towards the Solid Waste Plan which has an ultimate goal of zero waste, Washtenaw County Solid Waste has provided funding for Waste Reduction Sponsorships. Approved costs as described in the application are reimbursed at up to 50% of approved expenses. All reimbursement requests are due by 12/31/2023.

Specifics: Terms and requirements provided in the attached process apply.

The Sponsored Party agrees to:

1. Provide brief quarterly project updates
2. Attach an invoice to the updates detailing total expenses and the County's amount to be reimbursed.
3. Provide metrics including: the number of carts provided to residents, the tons of trash and recycling collected the year prior and the year after distributing the carts, and the estimated or calculated increase in recycling participation due to the project.
4. Consider developing a sustainable funding mechanism for maintaining and replacing carts
5. Permit the County to highlight the project in education and outreach efforts, including, but not limited to social media and the County's website.
6. Fill out a brief survey at the end of the project to help improve the sponsorship process for others.
7. Become a vendor at the County, which will allow for payments to be processed.
8. The sponsored party will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the sponsored party's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of the sponsored party, any sub-contractor, or any employee, agent or representative of

the sponsored party or any sub-contractor.

9. The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

   Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

   Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

   Automobile Liability Insurance covering all owned, hired and non-owned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

   Insurance companies, named insured's and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

***Washtenaw County Water Resources Commissioner's Office Solid Waste Division agrees to*:**

1. Reimburse 50% of total qualified costs. The total amount paid to the sponsored party is not to exceed $40,000. Qualified reimbursable costs include costs associated with the recycling cart grant and community education, including signage, flyers, and other educational and necessary materials. Reimbursements will be made for 50% of materials submitted at quarterly intervals.

By signing this document, Washtenaw County and the sponsored party agree to abide by the terms and conditions contained in this Memorandum of Understanding for the purpose of the Waste Reduction Sponsorship. Either party may cancel this MOU with 30 days' notice.

ATTESTED TO:

By:_____
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

By:_____
Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By:_____
Evan Pratt
Department Head (DATE)

YPSILANTI CHARTER TOWNSHIP

By:_____
Brenda Stumbo
Township Supervisor (DATE)

APPROVED AS TO FORM BY

BY:_____
Michelle Billard (DATE)
Office of Corporation Counsel

By: _____
Heather Jarrell Roe
Township Clerk (DATE)

MICHIGAN DEPARTMENT OF NATURAL RESOURCES-GRANTS MANAGEMENT

MICHIGAN NATURAL RESOURCES TRUST FUND AGREEMENT AMENDMENT

Organization:	Ypsilanti Charter Township
Project Title:	Loonfeather Point Park Development
Project Location:	Washtenaw
Project Number:	TF19-0135
Amendment Number:	2

This is an amendment to the Agreement entered into between the Michigan Department of Natural Resources ("DEPARTMENT") and the Ypsilanti Charter Township in the county of Washtenaw County for the Michigan Natural Resources Trust Fund grant number TF19-0135.

The purpose of this amendment is to:

- extend the end date of the project period from 08/31/2022 to 02/28/2023 to allow for more time to complete the project.

A. The DEPARTMENT and the GRANTEE mutually agree to amend the Agreement as follows:

   - The time period allowed for project completion is 08/03/2020 through 02/28/2023, hereinafter referred to as the "project period." Requests by the GRANTEE to extend the project period shall be made in writing before the expiration of the project period. Extensions to the project period are at the discretion of the DEPARTMENT. The project period may be extended only by an amendment to this Agreement.

   - Submit a complete request for final reimbursement within 90 days of project completion and no later than 5/30/2023. If the GRANTEE fails to submit a complete final request for reimbursement by 5/30/2023, the DEPARTMENT may audit the project costs and expenses and make final payment based on documentation on file as of that date or may terminate this Agreement and require full repayment of grant funds by the GRANTEE.

B. All other provisions of the Agreement shall be continued in full force and effect.

C. The amendment may be executed separately by the parties and is not effective until both the GRANTEE and the DEPARTMENT have signed it.

D. This amendment modifies an Agreement which was approved by resolution of the GRANTEE'S governing body as evidenced by the resolution attached to the Agreement. It is the sole responsibility of the GRANTEE to determine if its laws, policies, or procedures require approval by its governing body before execution of this amendment by the GRANTEE. By signature of this amendment, the GRANTEE certifies that:

1. Approval of the amendment by its governing body is not required, or
2. The amendment has been approved by resolution (true copy attached) of the

Aug. 16, 2022 (date) Regular (special or regular) meeting of the Charter Township of Ypsilanti (name of approving body)

GRANTEE

SIGNED

By: Brenda L. Stumbo | Heather Jarrell Roe

Title: Supervisor | Clerk

Date: Aug. 19, 2022

WITNESSED

By: Joan Stanfield

By: Joan Stanfield

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

SIGNED

By: Michael Chuff

EFFECTIVE DATE: 09/13/2022

WITNESSED

By: _____

By: _____

Charter Township of Ypsilanti
Proposed Ordinance 2022-500

An ordinance to amend Chapter 62, Article IV, Section 62-76(a)(1) of the Code of Ordinances, Charter Township of Ypsilanti, to adjust waters service rates.

BE IT ORDERED BY THE CHARTER TOWNSHIP OF YPSILANTI, that:

Section 62-76(a)(1) of Chapter 62, Article IV of the Code of Ordinances be revised as follows:

For all billings rendered prior to October 1, 2022, existing water service rates shall prevail. For all billings rendered on or after October 1, 2022, charges for water services shall be as follows, for each bimonthly (two-month) period:

(1) **Readiness-to-serve rates based on size of meter:**

Meter Size (inch)	Water Rate
5/8-3/4	$ 16.73
1	$ 41.83
1-1/2	$ 83.66
2	$ 133.86
3	$ 418.30
4	$ 836.59
6	$ 1,673.19
8	$ 2,928.08
10	$ 4,601.27
12	$ 5,437.87

(2) **Commodity rate:** $3.62 per 100 cubic feet

* * * * * * * * * *

I, Heather Jarrell Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify approval of the first reading of Proposed Ordinance No. 2022-500 by the Charter Township of Ypsilanti Board of Trustees assembled at a regular meeting held on August 16, 2022. The second reading is scheduled to be heard on September 20, 2022

Heather Jarrell Roe

Heather Jarrell Roe, Clerk

Charter Township of Ypsilanti

Charter Township of Ypsilanti
Proposed Ordinance 2022-501

An ordinance to amend Chapter 62, Article IV, Section 62-77 of the Code of Ordinances, Charter Township of Ypsilanti, to adjust sewage disposal rates.

BE IT ORDERED BY THE CHARTER TOWNSHIP OF YPSILANTI, that:

Section 62-77 of Chapter 62, Article IV of the Code of Ordinances be revised as follows:

For all billings rendered prior to October 1, 2022, existing sewage disposal service rates shall prevail. For all billings rendered on or after October 1, 2022, charges for sewage disposal services shall be as follows, for each bimonthly (two-month) period:

(1) **Readiness-to-serve rates based on size of meter:**

Meter Size (inch)	Sewage Rate
5/8-3/4	$ 17.47
1	$ 43.69
1-1/2	$ 87.36
2	$ 139.79
3	$ 436.83
4	$ 873.66
6	$ 1,747.31
8	$ 3,057.80
10	$ 4,805.11
12	$ 5,678.77

(2) **Commodity rate:** $2.88 per 100 cubic feet

* * * * * * * * * *

I, Heather Jarrell Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify approval of the first reading of Proposed Ordinance No. 2022-501 by the Charter Township of Ypsilanti Board of Trustees assembled at a regular meeting held on August 16, 2022. The second reading is scheduled to be heard on September 20, 2022

Heather Jarrell Roe

Heather Jarrell Roe, Clerk

Charter Township of Ypsilanti

Michigan Department of Treasury
614 (Rev. 02-22)

ORIGINAL TO: County Clerk(s)
COPY TO: Equalization Department(s)
COPY TO: Each township or city clerk

L-4029

2022 Tax Rate Request (This form must be completed and submitted on or before September 30, 2022)

MILLAGE REQUEST REPORT TO COUNTY BOARD OF COMMISSIONERS

Carefully read the instructions on page 2.

This form is issued under authority of MCL Sections 211.24e, 211.34 and 211.34d. Filing is mandatory; Penalty applies.

County(ies) Where the Local Government Unit Levies Taxes	2022 Taxable Value of ALL Properties in the Unit as of 5-23-2022
Washtenaw	**TV 1,594,376,599 (TV minus Renaissance Zone 1,564,932,814)**
Local Government Unit Requesting Millage Levy	For LOCAL School Districts: 2022 Taxable Value excluding Principal Residence, Qualified Agricutlural, Qualified Forest, Industrial Personal and Commercial Personal Properties.
Charter Township of Ypsilanti	

This form must be completed for each unit of government for which a property tax is levied. Penalty for non-filing is provided under MCL Sec 211.119. The following tax rates have been authorized for levy on the 2022 tax roll.

(1) Source	(2) Purpose of Millage	(3) Date of Election	(4) Original Millage Authorized by Election Charter, etc.	(5) ** 2021 Millage Rate Permanently Reduced by MCL 211.34d "Headlee"	(6) 2022 Current Year "Headlee" Millage Reduction Fraction	(7) 2022 Millage Rate Permanently Reduced by MCL 211.34d "Headlee"	(8) Sec. 211.34 Truth in Assessing or Equalization Millage Rollback Fraction	(9) Maximum Allowable Millage Levy *	(10) Millage Requested to be Levied July 1	(11) Millage Requested to be Levied Dec. 1	(12) Expiration Date of Millage Authorized
Allocated	GEN OP	N/A	1.1160	.9925	.9872	.9797	1.0000	.9797		.9797	N/A
Voted	Fire Prot	08/03/21	3.1250	3.1250	.9872	3.0850	1.0000	3.0850		3.0850	12/2025
Voted	Fire Cap	05/08/18	.5000	.4881	.9872	.4818	1.0000	.4818		.4818	12/2022
Voted	Solid Waste	08/03/21	2.4050	2.4050	.9872	2.3742	1.0000	2.3742		2.3742	12/2025
Voted	Police	08/03/21	5.7000	5.7000	.9872	5.6270	1.0000	5.6270		5.6270	12/2025
Voted	Rec/BP	08/03/21	1.0059	1.0059	.9872	.9930	1.0000	.9930		.9930	12/2025
PA345	FPen/HC	N/A						.8100		.8100	N/A
								14.3507			

Prepared by	Telephone Number	Title of Preparer	Date
Javonna Neel	**(734) 544-3601**	**Accounting Director**	

CERTIFICATION: As the representatives for the local government unit named above, we certify that these requested tax levy rates have been reduced, if necessary to comply with the state constitution (Article 9, Section 31), and that the requested levy rates have also been reduced, if necessary, to comply with MCL Sections 211.24e, 211.34 and, for LOCAL school districts which levy a Supplemental (Hold Harmless) Millage, 380.1211(3).

	Signature	Print Name	Date
☒ Clerk ☐ Secretary	Heather Jarrell Roe	**Heather Jarrell Roe**	8-18-22
☐ Chairperson ☒ President	Brenda L. Stumbo	**Brenda L Stumbo**	8/18/22

** Under Truth in Taxation, MCL Section 211.24e, the governing body may decide to levy a rate which will not exceed the maximum authorized rate allowed in column 9. The requirements of MCL 211.24e must be met prior to levying an operating levy which is larger than the base tax rate but not larger than the rate in column 9.*

Local School District Use Only. Complete if requesting millage to be levied. See STC Bulletin 2 of 2022 for instructions on completing this section.

Total School District Operating Rates to be Levied (HH/Supp and NH Oper ONLY)	Rate
For Principal Residence, Qualified Ag., Qualified Forest and Industrial Personal	
For Commercial Personal	
For all Other	

**** IMPORTANT:** See instructions on page 2 regarding where to find the millage rate used in column (5).

WASHTENAW COMMUNITY COLLEGE & YPSILANTI TOWNSHIP COMMUNITY CENTER
AGREEMENT FOR EXTENSION CENTER OFFERINGS

This agreement is made by and between **Washtenaw Community College,** hereinafter called the **College** and the Charter Township of Ypsilanti Community Center, Ypsilanti, Michigan hereinafter called the **Center**.

The College and the Center desire to be partners in providing Adult Education ESL instructional program classes funded by the 2022-2023 Section 107, MI-State School Aid Act to the residents of the College service area, in particular, Ypsilanti Township, thereby giving added dimension to the programs and services already available to the people of the community, with input from the Center staff and other community leaders. The Center desires to make this program available to the people of the College service area and Ypsilanti Township area by providing facilities and support for said adult education ESL instructional programs; therefore, it is deemed advisable to establish certain rules, regulations, and financial determinations so that the respective roles of the College and the Center can be delineated for the accomplishment of these purposes.

Therefore, be it mutually agreed in considerations of the promises to each other as follows:

The College agrees:

- To adhere to safety protocols and procedures implemented by the Center to minimize spread of COVID-19, when advised.
- To provide all instructional personnel and direct administrative services necessary for conducting quality adult education ESL instructional program classes.
- To provide classroom and technical equipment necessary to conduct classes.
- To promote enrollment for the adult education ESL instructional program classes by providing appropriate publicity through local media and other means.
- To schedule the adult education ESL instructional program classes at those times, days and evenings, in compliance to a mutually agreed upon calendar. A calendar of orientation, PD, and class dates and times must be arranged through the Center's Director prior to the start of each new program session.
- To make adequate prior arrangements and communications for class time and date changes due to unforeseen circumstances.
- To follow reasonable practices relating to the proper use and care of the Center properties and facilities.
- To conclude all classes no later than 8:00 p.m.

- To adhere to the current applicable Center's Rules and Regulations as stated in the following:

    - The Community Center is a smoke free, alcohol free, and drug free facility.
    - The use of open flames, such as lighted candles, are strictly prohibited.
    - Any form of gambling or game of chance, unless expressively permitted by law and subject to the approval and issuance of special permits is prohibited on the premises.
    - A Building Attendant and/or Custodian will be on duty during all hours of building operation and groups must guarantee responsiveness to the directives of all department staff. Accidents and damage, no matter how trivial must be reported to Department staff immediately.
    - Property of the Community Center shall not be removed from the facility at any time.
    - Groups shall not use, remove or disturb any supplies, bulletin boards or any other items in the Community Center. Some items may be moved or placed out of sight with advanced Department approval and must be returned to the original location at completion of use.
    - Groups shall be restricted to the room(s) assigned, except for use of restrooms and common areas. Use of facilities outside the building is restricted to the parking facilities unless granted prior Department approval.
    - Placement of posters, banners, decorations, etc. may be permitted upon prior Department approval.
    - The Community Center is not responsible for equipment or supplies brought in by groups, but will work collaboratively with the College to ensure safety and security of the rented space.
    - The Charter Township of Ypsilanti assumes no responsibility, financial or otherwise, for accidents or injuries sustained by individual or groups of individuals while using the facilities.
    - The Charter Township of Ypsilanti assumes no responsibility for damage or theft of personal items.
    - The Township & organization using township buildings shall refrain from using Styrofoam products for use in Township Building (Charter Township of Ypsilanti Resolution 89-16)

    cl

<u>The Center agrees:</u>

- To implement the State or Washtenaw County recommended safety protocols and guidelines to minimize the exposure and spread of COVID-19, if advised.

- To provide a designated classroom at the Center (Room 103) for exclusive use of adult education services and classes, Monday-Friday. From Monday-Thursday evenings starting in the fall 2022 semester, the Township will also provide use of (Room 101) for adult education services and classes three days per week. Specific week days to be determined closer to start date based student enrollment and instructor availability.

- The College and the Township will mutually agree to a program calendar for the delivery of educational services and classes.

- To allow persons to register for adult education ESL instructional program classes in accordance with the College's non-discrimination, Open Door Policy.

- To provide an on-site employee for the purpose of opening and closing the buildings and classrooms where adult education instructional program classes are conducted.

- To provide custodial and maintenance services for the facilities and grounds used by the adult education instructional program classes.

- To make classrooms physically accessible to the students and to see that the classrooms are kept open for adult education instructional program classes in a timely manner.

- To provide security and safety arrangements for the adult education instructional program classes faculty and students similar to those provided to the employees and participants of the Center.

- In addition to the mutually agreed upon calendar that recognizes the Center's furloughs and planned closures, on certain school days, the Center may be closed due to inclement weather. On these days, adult education instructional program classes may not meet.

General Provisions:

- For the duration of this contract, this agreement covers the exclusive use of (Room 103) and the use of (Room 101) three days per week, Monday-Thursday from 5-8 pm. Specific week days TBD based on student enrollment and instructor availability closer to program start date. Orientation, entry assessment, advising, counseling sessions, and staff professional development will generally be conducted between 9:00am-8:00pm, Monday-Friday based upon the mutually agreed calendar. In light of conditions created by the COVID-19 pandemic, the College may have to resort to remote and/or virtual program operations and delivery. In this case, the Township will continue the commitment to holding and maintaining the designated rooms for the adult education program noted in this agreement.

- It shall be the individual responsibility of each of the parties to carry and maintain its own insurance of public liability and property damage.

- The Center and the College further agree to negotiate any changes that may be deemed necessary as a result of changed circumstances and to amend the contract through mutual agreement at any time during the said contract period.

- The Center and the College agree to be bound by the provisions of this operating agreement for the period July 1, 2022 through June 30, 2023 for the total sum of $18,000.00 derived from the 2022-2023 Section 107, MI-State School Aid Act. The total rent sum covers the cost of providing Adult Educations services and will be paid in four equal installments of $4500 by October 28, 2022, January 13, 2023, March 17, 2023 & June 2, 2023. The check will be made payable to the Charter Township of Ypsilanti.

Responsible College Administrator Bonnie Truhn, Adult Transitions Pathways Director

College Area/Office Adult Basic Education FOAPAL: 24453-44450-7507-440-FC261.

Digitally signed by Don Harrison
Date: 2022.08.19 12:08:39 -04'00'

Donald Harrison
Director of Purchasing

Date

Township Supervisor
Charter Township of Ypsilanti

Aug. 19, 2022
Date

Township Clerk
Charter Township of Ypsilanti
Heather Jarrell Roe

Aug. 19, 2022
Date

Revised 6/22/22

Resolution No. 2022-09

CHARTER TOWNSHIP OF YPSILANTI
RESOLUTION REGARDING THE DIVISION OF A PLATTED LOT

Resolution authorizing the division of platted lots in East Park Subdivision

WHEREAS, the owner of Lots 132 thru 134 of East Park Subdivision has made a request to split a lot as previously approved and recorded; and

WHEREAS, Township ordinance no. 2000-243, Article IX, Section 11.01 states that "Upon the filing of a petition, by the owner or owners of all interest therein, with the Township Board, the platted lots, outlot, or parcels of land in existing recorded plats may be partitioned or divided upon resolution of the Township Board into not more than four (4) parts, each of which shall, in regard to width, depth and area, conform to the terms and provisions of the Charter Township of Ypsilanti Zoning Ordinance, as amended; and

WHEREAS, the Township Planning Department has reviewed the division and confirmed that the resulting parcels meet the minimum requirements for lot size and road frontage as set forth by Section 2000 of the Township Zoning Ordinance.

THEREFORE, BE IT RESOLVED, that the revised property descriptions are approved as follows:

LEGAL DESCRIPTIONS:

PARCEL 1:

485 EAST GRAND BLVD

LOT 132 AND THE NORTH 6.00 FEET OF LOT 133, EAST PARK SUBDIVISION.

PARCEL 2:

445 EAST GRAND BLVD

LOT 134 AND LOT 133 EXCEPT THE NORTH 6.00 FEET OF SAID LOT 133, EAST PARK SUBDIVISION.

I, Heather Jarrell Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2022-09 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on August 16, 2022.

Heather Jarrell Roe

Heather Jarrell Roe, Clerk
Charter Township of Ypsilanti

CHARTER TOWNSHIP
OF YPSILANTI

RESOLUTION 2022-11

RESOLUTION REGARDING
TEMPORARY ROAD
CLOSURE

Resolution authorizing the temporary road closure of S. Harris Road between S. Harris and Grove Rd for runners to run South down Harris Road and cross Grove Road and run Southwest down Grove Road to McCartney Ave. Then proceed North down McCartney Ave to William Ave, to run East down William Ave. to South Pasadena Ave. to run South down South Pasadena Ave to Lakeview Ave. To run East down Lakeview Ave. to McCartney Ave. To run South down McCartney Ave. To Grove Road. To Run Northeast on Grove Rd to South Harris Rd to run North down South Harris Road to the finish line at 1375 S. Harris Road on September 10, 2022 from 8:00am to 10:00am for the University Bank Community 5K to benefit Sickle Cell Disease.

WHEREAS, the Charter Township of Ypsilanti Board of Trustees has approved the temporary closure of Ypsilanti Township roads as indicated above; and

WHEREAS, the Driveways, Banners, and Parades Act 200 of 1969 requires the Township to authorize an official designated by resolution to make such request from the Road Commission.

NOW THEREFORE, BE IT RESOLVED that the Township of Ypsilanti Board of Trustees designates and agrees that Ben Kramer, SVP University Bank be the authorized official designee in this instance, when application is made to the Washtenaw County Road Commission for this temporary road closure.

I, Heather Jarrell Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify the above resolution is a true and exact copy of Resolution No. 2022-11 approved by the Charter Township of Ypsilanti, Board of Trustees assembled at a Regular Meeting held on August 16, 2022.

Heather Jarrell Roe

Heather Jarrell Roe, Clerk
Charter Township of Ypsilanti

CHARTER TOWNSHIP OF YPSILANTI
2022 BUDGET AMENDMENT #11

August 16, 2022

AMOUNTS ROUNDED UP TO THE NEAREST DOLLAR

101 - GENERAL OPERATIONS FUND

Total Increase $138,204.00

Request to increase budget for PTO payouts of available hours to be paid at 75%. This will be funded by an appropriation for prior year fund balance.

Revenues:	Prior Year Fund Balance	101-000-699.999	$5,389.00
		Net Revenues	$5,389.00
Expenditures:	Salaries Payout PTO	101-191-708.004	$1,816.00
	FICA	101-191-715.000	$139.00
	Salaries Payout PTO	101-270-708.004	$3,190.00
	FICA	101-270-715.000	$244.00
		Net Expenditures	$5,389.00

Request to increase budget for the purchase of election software, high speed scanner and printer package. This will be funded by an appropriation for prior year fund balance.

Revenues:	Prior Year Fund Balance	101-000-699.999	$132,815.00
		Net Revenues	$132,815.00
Expenditures:	Equipment	101-262-977.000	$132,815.00
		Net Expenditures	$132,815.00

226 - ENVIRONMENTAL SERVICES FUND

Total Increase $880,288.00

Request to increase the budget for the Recycle Cart Project. This project has three grants as follows: Michigan Department of Environmental, Great Lakes and Energy (EGLE) grant for $580,630; The Recycling Partnership grant for $243,200 and Washtenaw County Solid Waste grant for $40,000 totaling $863,830. The purchase of the recycle carts is estimated at $880,287.50. This will be funded by the grants totaling $463,830 and by an appropriation of prior year fund balance of $16,458.

Revenues:	ST of MI EGLE Grant	226-000-547.000	$580,630.00
	Washtenaw County Solid Waste grant	226-000-581.010	$243,200.00
	Recycling Partnership Grant	226-000-584.100	$40,000.00
	Prior Year Fund Balance	226-000-699.999	$16,458.00
		Net Revenues	$880,288.00
Expenditures:	Recycle Cart Project	226-901-978.060	$880,288.00
		Net Expenditures	$880,288.00

CHARTER TOWNSHIP OF YPSILANTI
2022 BUDGET AMENDMENT #11

August 16, 2022

230- RECREATION FUND

Total Increase $6,500.00

Request to increase the revenue and expenditure budget lines for contributions received for the Jazz Festival. This will be funded by contributions and donations of $5,000 from Destination Ann Arbor and $1,500 from Waste Management.

Revenues:	Contributions &n Donations	230-000-674.000	$6,500.00
		Net Revenues	$6,500.00
Expenditures:	Arts & Craft Park Programs	230-754-963.600	$6,500.00
		Net Expenditures	$6,500.00

236- 14B DISTRICT COURT FUND

Total Increase $14,700.00

Request to increase budget for AFSCME 14B District Court employee contract covering the 2.75% increase in wages retro to January 1, 2022. This will be funded by an appropriation for prior year fund balance.

Revenues:	Prior Year Fund Balance	236-000-699.999	$14,700.00
		Net Revenues	$14,700.00
Expenditures:	Salaries/Wages	236-286-706.000	$13,655.00
	FICA	236-286-715.000	$1,045.00
		Net Expenditures	$14,700.00

584 - GOLF COURSE FUND

Total Increase $50,000.00

Request to increase the budget for major repairs on the irrigation system. The irrigation was severely vandalized and our new Golf Superintendent Will Turner is repairing some of the damage. This will be funded by an appropriation of prior year fund balance.

Revenues:	Prior Year Fund Balance	584-000-699.999	$50,000.00
		Net Revenues	$50,000.00
Expenditures:	Capital Outlay - Irrigation System	584-784-971.023	$50,000.00
		Net Expenditures	$50,000.00

597 - COMPOST FUND

Total Increase $6,216.00

Request to increase budget for PTO payouts of available hours to be paid at 75%. This will be funded by an appropriation for prior year fund balance.

Revenues:	Prior Year Fund Balance	597-000-699.999	$6,216.00
		Net Revenues	$6,216.00
Expenditures:	Salaries Payout PTO	597-590-708.004	$5,774.00
	FICA	597-590-715.000	$442.00
		Net Expenditures	$6,216.00

Motion to Amend the 2022 Budget (#11)

Move to increase the General Fund budget by $138,204 to $10,968,299 and approve the department line item changes as outlined.

Move to increase the Environmental Services Fund budget by $880,288 to $4,424,882 and approve the department line item changes as outlined.

Move to increase the Recreation Fund budget by $6,500 to $752,141 and approve the department line item changes as outlined.

Move to increase the 14B District Court Department Fund budget by $14,700 to $1,828,327 and approve the department line item changes as outlined.

Move to increase the Golf Course Fund budget by $50,000 to $877,058 and approve the department line item changes as outlined.

Move to increase the Compost Fund budget by $6,216 to $753,069 and approve the department line item changes as outlined.

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN P. NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON JR.

ytown.org
A community of opportunity

Charter Township of Ypsilanti

Accounting Department

7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 484-3702
Fax: (734) 484-5154

STATEMENTS AND CHECKS

SEPTEMBER 6, 2022 BOARD MEETING

ACCOUNTS PAYABLE CHECKS -	$	210,884.94
HAND CHECKS -	$	591,073.84
CREDIT CARDS PURCHASES -	$	0.00
GRAND TOTAL -	**$**	**801,958.78**

CHECK REGISTER FOR CHARTER TOWNSHIP OF YPSILANTI
CHECK NUMBERS 191512 - 191542

Hand Checks

Check Date	Check	Vendor Name	Amount
Bank AP AP			
08/12/2022	191512	AT & T	754.45
08/12/2022	191513	AT & T	40.42
08/12/2022	191514	COMCAST CABLE	102.86
08/12/2022	191515	COMCAST CABLE	146.98
08/12/2022	191516	COMCAST CABLE	9,475.60
08/12/2022	191517	DTE ENERGY	76,286.32
08/12/2022	191518	RODNEY BENHART	263.56
08/12/2022	191519	SAM'S CLUB DIRECT	57.88
08/12/2022	191520	VERIZON WIRELESS	479.73
08/12/2022	191521	WASTE MANAGEMENT	172.27
08/12/2022	191522	WASTE MANAGEMENT	74.10
08/12/2022	191523	WASTE MANAGEMENT	429.45
08/12/2022	191524	WASTE MANAGEMENT	1,951.65
08/12/2022	191525	WASTE MANAGEMENT	780.05
08/12/2022	191526	WASTE MANAGEMENT	283.08
08/12/2022	191527	WASTE MANAGEMENT	219,353.27
08/12/2022	191528	YPSILANTI COMMUNITY	2,356.14
08/15/2022	191529	ALICIA SMITH	100.00
08/16/2022	191530	STATE OF MICHIGAN	523.00
08/18/2022	191531	DTE ENERGY	19,527.86
08/18/2022	191532	WASTE MANAGEMENT	6,371.82
08/22/2022	191533	WALSH MARINE PRODUCTS INC	8,848.80
08/22/2022	191534	WILLIAM TURNER	1,979.33
08/24/2022	191535	GUARDIAN ALARM	98.00
08/24/2022	191536	YAMAHA MOTOR FINANCE CORPORATION	6,900.00
08/30/2022	191537	OSCAR W. LARSON CO.	277.50
08/31/2022	191538	BLUE CROSS BLUE SHIELD OF MI	183,612.58
08/31/2022	191539	BLUE CROSS BLUE SHIELD OF MI	29,503.60
08/31/2022	191540	DELTA DENTAL PLAN OF MICHIGAN	13,108.79
08/31/2022	191541	STANDARD INSURANCE COMPANY	4,345.71
08/31/2022	191542	STANDARD INSURANCE COMPANY	2,869.04

AP TOTALS:

Total of 31 Checks:	591,073.84
Less 0 Void Checks:	0.00
Total of 31 Disbursements:	591,073.84

A/P Checks

Check Date	Check	Vendor Name	Amount
Bank AP AP			
09/06/2022	191543	AAMCO TRANSMISSIONS AND	2,091.66
09/06/2022	191544	ACUSHNET COMPANY	58.93
09/06/2022	191545	ALLGRAPHICS CORPORATION	129.30
09/06/2022	191546	AMAZON CAPITAL SERVICES	2,629.24
09/06/2022	191547	ANN ARBOR CLEANING SUPPLY	874.69
09/06/2022	191548	APOLLO FIRE EQUIPMENT CO.	230.62
09/06/2022	191549	APPLIED INNOVATION	187.02
09/06/2022	191550	ASCENTIS CORPORATION	1,029.50
09/06/2022	191551	AUTO VALUE YPSILANTI	197.69
09/06/2022	191552	B-BALL SKILLS LLC	989.50
09/06/2022	191553	BARBARA BIBINS	1,019.00
09/06/2022	191554	BARR ENGINEERING COMPANY	9,383.00
09/06/2022	191555	CAR TECH LLC	1,092.26
09/06/2022	191556	CARLISLE WORTMAN ASSOCIATES, INC.	210.00
09/06/2022	191557	CARLISLE WORTMAN ASSOCIATES, INC.	440.00
09/06/2022	191558	CARLISLE WORTMAN ASSOCIATES, INC.	400.00
09/06/2022	191559	CARLISLE/WORTMAN ASSOCIATES	840.00
09/06/2022	191560	CDW GOVERNMENT INC	18,646.80
09/06/2022	191561	CHARTER TOWNSHIP OF SUPERIOR	37.39
09/06/2022	191562	CHERYL ADDISON	35.00
09/06/2022	191563	CHERYL ANN LOPEZ	900.00
09/06/2022	191564	CINTAS CORPORATION	318.69
09/06/2022	191565	COLD CUT KRUISE	134.40
09/06/2022	191566	COLMAN-WOLF SANITARY SUPPLY CO	391.81
09/06/2022	191567	COMPLETE BATTERY SOURCE	289.00
09/06/2022	191568	CONSTANCE ERVIN	300.00
09/06/2022	191569	CONSTELLATION NEW ENERGY	593.45
09/06/2022	191570	CRYSTAL FLASH, INC.	11,437.41
09/06/2022	191571	CSI EMERGENCY APPARATUS, LLC	3,256.99
09/06/2022	191572	DABERKO LLC	375.00
09/06/2022	191573	DANCE WITH ELEGANCE	214.20
09/06/2022	191574	DANIEL KIMBALL	1,683.53
09/06/2022	191575	DANIELLE MCPARTIN	125.00
09/06/2022	191576	DAWN FARM	1,020.00
09/06/2022	191577	DELUX RENTAL	42.00
09/06/2022	191578	DRACO INTERNATIONAL, LLC	300.00
09/06/2022	191579	EBCO COMPANY	768.00
09/06/2022	191580	EBY BROWN LEASING LLC	41.00
09/06/2022	191581	EBY-BROWN COMPANY, LLC	628.75
09/06/2022	191582	EDWARD MICHOWSKI	60.00
09/06/2022	191583	ELLA SHIVERS	78.00
09/06/2022	191584	EMERGENCY MEDICAL PRODUCTS	246.41
09/06/2022	191585	EMERGENT HEALTH PARTNERS	8,430.55
09/06/2022	191586	FEDERAL EXPRESS CORPORATION	130.00
09/06/2022	191587	FIBER LINK	110.75
09/06/2022	191588	GARY TURNBULL	180.00
09/06/2022	191589	GLOBAL INDUSTRIAL EQUIPMENT COMPANY	515.85
09/06/2022	191590	GOVERNMENTAL CONSULTANT SERVICES	3,302.70
09/06/2022	191591	GRAINGER	140.40
09/06/2022	191592	GRIFFIN PEST SOLUTIONS	282.00
09/06/2022	191593	HARMON GLASS DOCTOR	100.00
09/06/2022	191594	HARTFORD STEAM BOILER INSPECTION	189.00
09/06/2022	191595	HOME DEPOT	492.84
09/06/2022	191596	HOME DEPOT USA INC	82.50
09/06/2022	191597	HURON RIVER WATERSHED COUNCIL	11,759.79
09/06/2022	191598	HUTZEL PLUMBING	411.42
09/06/2022	191599	IRENE DIXON	70.00
09/06/2022	191600	JOHNNYE HACKNEY	78.00
09/06/2022	191601	KAYLA CASTELOW	30.00
09/06/2022	191602	KENIYA CHAMBERS-REID	18.00
09/06/2022	191603	KONE INC	196.98
09/06/2022	191604	LANGUAGE LINE SERVICES	937.22
09/06/2022	191605	LAWRENCE HENDRICKS	288.00
09/06/2022	191606	LIAM LEITZINGER	75.00
09/06/2022	191607	LOOKING GOOD LAWNS	11,246.00
09/06/2022	191608	LOWE'S	31.30
09/06/2022	191609	LUBRICATION ENGINEERS	1,518.39
09/06/2022	191610	MABLE TAYLOR	100.00
09/06/2022	191611	MARIA BATIANIS	376.21
09/06/2022	191612	MARIALANA BRANCH	180.00
09/06/2022	191613	MENARDS, INC.	82.45
09/06/2022	191614	METCOM	325.10
09/06/2022	191615	MICHAEL MOORE	100.00
09/06/2022	191616	MICHIGAN LINEN SERVICE, INC.	1,450.05
09/06/2022	191617	MICHIGAN TOURNAMENT FLEET, INC	2,640.00
09/06/2022	191618	MIDWEST ENVIRO SOLUTIONS	1,500.00
09/06/2022	191619	MLIVE MEDIA GROUP	1,349.00
09/06/2022	191620	MUZZALL GRAPHICS	352.86

Check Date	Check	Vendor Name	Amount
09/06/2022	191621	NANCY HAMILTON	18.00
09/06/2022	191622	O'BRYANS LOCK & KEY*	20.00
09/06/2022	191623	ORCHARD, HILTZ & MCCLIMENT INC	3,871.25
09/06/2022	191624	OSCAR W. LARSON CO.	3,801.73
09/06/2022	191625	PARKWAY SERVICES, INC.	1,500.00
09/06/2022	191626	PAYTON JAMES	352.80
09/06/2022	191627	PEARLINE DAVIS	639.98
09/06/2022	191628	PENCHURA, LLC	1,094.25
09/06/2022	191629	PEPSI BEVERAGES COMPANY	377.40
09/06/2022	191630	PRINTING SYSTEMS	1,343.42
09/06/2022	191631	PRIORITY ONE EMERGENCY	169.99
09/06/2022	191632	RASHIDA MCGUIRE	100.00
09/06/2022	191633	RHETT REYES	3,101.56
09/06/2022	191634	RICK PLISICO	650.00
09/06/2022	191635	RICOH USA, INC.	397.23
09/06/2022	191636	ROGER JAUSSI	150.00
09/06/2022	191637	RUBBER STAMPS UNLIMITED INC	92.50
09/06/2022	191638	SALADINO CONSTRUCTION COMPANY	3,100.00
09/06/2022	191639	SAM'S CLUB DIRECT	160.74
09/06/2022	191640	SHRADER TIRE & OIL	1,017.23
09/06/2022	191641	SITEONE LANDSCAPE SUPPLY, LLC	7,697.25
09/06/2022	191642	SPARTAN DISTRIBUTORS	814.34
09/06/2022	191643	SPECTRUM PRINTERS INC	1,734.94
09/06/2022	191644	STANDARD PRINTING	755.00
09/06/2022	191645	STAPLES* - ACCOUNT #1026071	45.83
09/06/2022	191646	STATE OF MICHIGAN	8,162.97
09/06/2022	191647	STATE OF MICHIGAN - MDOT	4,731.75
09/06/2022	191648	STEPHEN BROWN	1,750.00
09/06/2022	191649	SUDHANSHU MALHOTRA	15.00
09/06/2022	191650	TERMINIX PROCESSING CENTER	72.00
09/06/2022	191651	TIMOTHY THOMPSON	1,800.00
09/06/2022	191652	TIREMAXX	332.00
09/06/2022	191653	ULINE	3,272.28
09/06/2022	191654	UNIFIRST CORPORATION	303.38
09/06/2022	191655	VAN BUREN STEEL & FABRICATING	250.00
09/06/2022	191656	VERIZON CONNECT NWF, INC.	679.98
09/06/2022	191657	VICTORY LANE	345.60
09/06/2022	191658	WASHTENAW COUNTY TREASURER#	35,316.50
09/06/2022	191659	WASHTENAW GOLF CLUB	1,100.00
09/06/2022	191660	WILLIE HEARON	100.00
09/06/2022	191661	YAMAHA GOLF CARS PLUS	294.45
09/06/2022	191662	YPSILANTI ACE HARDWARE	7.55
09/06/2022	191663	YPSILANTI COMMUNITY	6,206.84
09/06/2022	191664	ZEP SALES & SERVICE	341.60

AP TOTALS:

Total of 122 Checks:	210,884.94
Less 0 Void Checks:	0.00
Total of 122 Disbursements:	210,884.94

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN P. NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON JR.

ytown.org
A community of opportunity

Charter Township of Ypsilanti

Accounting Department

7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 484-3702
Fax: (734) 484-5154

STATEMENTS AND CHECKS

SEPTEMBER 20, 2022 BOARD MEETING

ACCOUNTS PAYABLE CHECKS -	$	944,057.79
HAND CHECKS -	$	52,769.36
CREDIT CARD PURCHASES-	$	15,412.59
GRAND TOTAL -	**$**	**1,012,239.74**

Clarity Health Care Deductible –

ACH EFT - $48,810.94 (AUGUST)
ADMIN FEE - $1,357.88 (AUGUST)

CHECK NUMBERS 191665 - 191690

HAND CHECKS

Check Date	Check	Vendor Name	Amount
Bank AP AP			
09/02/2022	191665	CLASSIC CARTS	350.00
09/02/2022	191666	CLEAR RATE COMMUNICATIONS, INC	2,142.80
09/02/2022	191667	COMCAST BUSINESS	3,560.73
09/02/2022	191668	COMCAST CABLE	102.88
09/02/2022	191669	COMCAST CABLE	126.29
09/02/2022	191670	ICC CDS, LLC	6,100.00
09/12/2022	191672	ADVANCED COMMUNICATIONS & DATA	680.55
09/12/2022	191673	APPLIED INNOVATION	3,053.16
09/12/2022	191674	ASCENTIS CORPORATION	348.95
09/12/2022	191675	AT & T	40.42
09/12/2022	191676	AT & T	992.77
09/12/2022	191677	COMCAST CABLE	38.56
09/12/2022	191678	COMCAST CABLE	9,488.20
09/12/2022	191679	CONSTANCE ERVIN	200.00
09/12/2022	191680	EBCO COMPANY	982.00
09/12/2022	191681	GRANITE TELECOMMUNICATIONS	403.45
09/12/2022	191682	GUARDIAN ALARM	30.00
09/12/2022	191683	POSTMASTER	1,136.41
09/12/2022	191684	VERIZON WIRELESS	479.73
09/12/2022	191685	WASTE MANAGEMENT	444.83
09/12/2022	191686	WASTE MANAGEMENT	871.19
09/12/2022	191687	WILLIAM TURNER	1,121.62
09/12/2022	191688	DTE ENERGY	10,172.32
09/13/2022	191689	D.R.A.C.O.	300.00
09/14/2022	191690	JOHN E. LAWRENCE	9,602.50

AP TOTALS:

Total of 25 Checks:	52,769.36
Less 0 Void Checks:	0.00
Total of 25 Disbursements:	52,769.36

CHECK NUMBERS 191691 - 191777

A/P Checks

Check Date	Check	Vendor Name	Amount
Bank AP AP			
09/20/2022	191691	ACCUSHRED LLC	68.50
09/20/2022	191692	ADVANCED COMMUNICATIONS & DATA	690.76
09/20/2022	191693	ALLIED FENCE & SECURITY	1,150.00
09/20/2022	191694	ALPINE POWER SYSTEMS	61.66
09/20/2022	191695	AMAZON CAPITAL SERVICES	1,213.73
09/20/2022	191696	ANN ARBOR CLEANING SUPPLY	268.14
09/20/2022	191697	ASCENTIS CORPORATION	351.90
09/20/2022	191698	AUTO VALUE YPSILANTI	168.46
09/20/2022	191699	AUTOMATED CONFIRMATIONS, LLC	39.35
09/20/2022	191700	B-BALL SKILLS LLC	36.00
09/20/2022	191701	BARR ENGINEERING COMPANY	16,687.75
09/20/2022	191702	BIANCO TOURS	2,464.30
09/20/2022	191703	CARAHSOFT.COM	669.13
09/20/2022	191704	CINTAS CORPORATION	322.91
09/20/2022	191705	CLI CONCRETE LEVELING INC.	5,275.00
09/20/2022	191706	COLD CUT KRUISE	62.40
09/20/2022	191707	CONTI	315.00
09/20/2022	191708	COURT INNOVATIONS INC	270.00
09/20/2022	191709	CRYSTAL FLASH, INC.	2,978.20
09/20/2022	191710	DANIEL KIMBALL	300.00
09/20/2022	191711	DETROIT LEGAL NEWS	149.00
09/20/2022	191712	DOMINIC HOVING	120.00
09/20/2022	191713	DONALD F. BRINKMAN	50.00
09/20/2022	191714	DTE ENERGY COMPANY	1,147.61
09/20/2022	191715	ELIZABETH CUELLAR	325.00
09/20/2022	191716	ENDICOTT, JASON & APRIL	45.00
09/20/2022	191717	GENE BUTMAN FORD	69.20
09/20/2022	191718	GOOSE BUSTERS OF MICHIGAN, LLC	455.00
09/20/2022	191719	GRAINGER	27.80
09/20/2022	191720	HEATHER ROE	60.00
09/20/2022	191721	HOME DEPOT	643.84
09/20/2022	191722	INNOVATIVE OFFICE TECHNOLOGY GROUP	111.07
09/20/2022	191723	JACKSON-HIRSCH	54.00
09/20/2022	191724	JACQUELINE WILLIAMS	100.00
09/20/2022	191725	JIBRIL NAEEM	136.50
09/20/2022	191726	JOCHEN & BRITTANY M. WILLIG	50.00
09/20/2022	191727	JUMP-A-RAMA	1,053.50
09/20/2022	191728	KATHLEEN DIETZ	75.00
09/20/2022	191729	LAWRENCE HENDRICKS	77.50
09/20/2022	191730	LIAM LEITZINGER	15.00
09/20/2022	191731	LINDE GAS & EQUIPMENT INC	294.44
09/20/2022	191732	LISA STANFIELD	129.78
09/20/2022	191733	LOOKING GOOD LAWNS	23,990.00
09/20/2022	191734	LOWE'S	414.57
09/20/2022	191735	LOWER HURON SUPPLY	336.34
09/20/2022	191736	LOYAL ORDER OF MOOSE	1,000.00
09/20/2022	191737	MCLAIN AND WINTERS	148,674.86
09/20/2022	191738	MCMASTER-CARR	1,360.03
09/20/2022	191739	METRO AIRPORT TRUCK	3,109.94
09/20/2022	191740	MICHAEL HOUGHTON	87.32
09/20/2022	191741	MICHIGAN LINEN SERVICE, INC.	1,839.21
09/20/2022	191742	MICHIGAN MUNICIPAL LEAGUE	1,082.00
09/20/2022	191743	MICHIGAN MUNICIPAL LEAGUE	122.40
09/20/2022	191744	MICHIGAN TOURNAMENT FLEET, INC	1,430.00
09/20/2022	191745	MIDWEST ENVIRO SOLUTIONS	2,101.00
09/20/2022	191746	NEXTCARE URGENT CARE MICHIGAN	1,983.00
09/20/2022	191747	OFFICE EXPRESS	1,296.55
09/20/2022	191748	ORCHARD, HILTZ & MCCLIMENT INC	14,313.75
09/20/2022	191749	PARKWAY SERVICES, INC.	2,230.00
09/20/2022	191750	PEARLINE DAVIS	333.90
09/20/2022	191751	PEPSI BEVERAGES COMPANY	406.45
09/20/2022	191752	PRINTING SYSTEMS	524.79
09/20/2022	191753	RANDAZZO MECH HEAT & COOL	69.75
09/20/2022	191754	RHETT REYES	1,617.56
09/20/2022	191755	RICK PLISICO	50.00
09/20/2022	191756	SAM'S CLUB DIRECT	1,066.50
09/20/2022	191757	SHERWIN WILLIAMS COMPANY	331.40
09/20/2022	191758	SHRADER TIRE & OIL	459.47
09/20/2022	191759	SITEONE LANDSCAPE SUPPLY, LLC	2,744.14
09/20/2022	191760	SOLOMON DIVING INC.	3,575.00
09/20/2022	191761	SOUTHERN COMPUTER WAREHOUSE	4,083.39
09/20/2022	191762	STAPLES* - ACCOUNT #1026071	476.00
09/20/2022	191763	STEPHEN BROWN	2,350.00
09/20/2022	191764	STERICYCLE INC	244.38
09/20/2022	191765	TIMOTHY THOMPSON	1,000.00
09/20/2022	191766	UNIFIRST CORPORATION	258.46
09/20/2022	191767	VICTORY LANE	58.34
09/20/2022	191768	WALLSIDE INC	37.50

Check Date	Check	Vendor Name	Amount
09/20/2022	191769	WASHTENAW COUNTY LEGAL NEWS	55.00
09/20/2022	191770	WASHTENAW COUNTY ROAD COMMISSION	109,537.10
09/20/2022	191771	WASHTENAW COUNTY TREASURER#	482,725.95
09/20/2022	191772	YAMAHA GOLF CARS PLUS	259.80
09/20/2022	191773	YPSILANTI ACE HARDWARE	9.77
09/20/2022	191774	YPSILANTI COMMUNITY	85,159.01
09/20/2022	191775	YPSILANTI TOWNSHIP PETTY CASH	58.28
09/20/2022	191776	ZEP SALES & SERVICE	137.45
09/20/2022	191777	ZOLL MEDICAL CORPORATION	2,475.00

AP TOTALS:

Total of 87 Checks:	944,057.79
Less 0 Void Checks:	0.00
Total of 87 Disbursements:	944,057.79

CHECK REGISTER FOR CHARTER TOWNSHIP OF YPSILANTI
CHECK NUMBERS 83 - 84

CREDIT CARDS

Check Date	Check	Vendor Name	Description	Amount
Bank CARDS COMERICA COMMERICAL CARD				
09/20/2022	83(E)	COMERICA BANK	ELECTION DROP BOX YARD SIGNS - CLERKS	147.00
			BELT BARRIER - OCS	34.12
			OCS SUPPLIES - HOME DEPOT 8.2.2022	328.07
			SHIPPING FOR ZEP 50 - LEC	82.05
			FEDEX INVOICE - SARANEN	77.76
			OPERATING SUPPLIES AND FOOD AND BEVERAGE	527.36
			OPERATING SUPPLIES AND FOOD AND BEVERAGE	566.26
			OPERATING SUPPLIES AND FOOD AND BEVERAGE	600.55
			RENEWAL OF STATE LICENSE FOR BUILDING IN	450.00
			OPMANAGER RENEWAL	2,936.00
			PASSPORT POSTAGE WEEK OF 8-8-22	89.60
			PASSPORT POSTAGE WEEK OF 8-1-22	35.80
			PASSPORT POSTAGE WEEK OF 7-25-22	35.90
			PASSPORT POSTAGE WEEK OF 7-18-22	22.75
			PASSPORT POSTAGE WEEK OF 7-11-22	170.45
			PASSPORT POSTAGE WEEK OF 7-5-22	107.60
			PASSPORT POSTAGE WEEK OF 6-27-22	8.95
			PASSPORT POSTAGE WEEK OF 8-15-22	89.60
			PASSPORT POSTAGE WEEK OF 8-22-2022	40.65
			HUVACO MEMBERSHIP/BUILDING OFFICIALS	500.00
			LODGING FOR FIREFIGHTER RETIREMENT BOARD	2,762.56
			TWO (2) NRPA VIRTUAL CONFERENCE REGISTRA	690.00
			ULINE INVOICE ORDER #75330693	199.14
			MICROPHONE - COMMUNITY CENTER	56.99
			SUPPLIES FOR ICE CREAM SOCIAL AUG 29	34.71
			REGISTRATION FOR AACE CONFERENCE FOR PAU	640.00
			ADDITIONAL ACTIVE 911 LICENSES ADDED TO	13.56
			REGISTRATION FOR MINI CONFERENCE FOR ORD	340.00
			DMARC ANALYZER	514.08
			AIR FILTERS FOR COVID FANS - PPE	179.88
			BEE KEEPER SUPPLIES - 2022	164.99
			PDQ ANNUAL RENEWAL	2,100.00
			WATER FOR ALL STATIONS	39.06
			OPERATING SUPPLIES FOR THE GOLF COURSE.	47.92
			MONTHLY SUBSCRIPTION FEES FOR TLO SERVIC	75.00
				14,708.36
09/20/2022	84(E)	COMERICA BANK	MONTHLY SUBSCRIPTION FEES FOR TLO SERVIC	75.00
			BEE HONEY SUPPLIES - 2022	41.23
			ZAPIER SUBSCRIPTION	588.00
				704.23

CARDS TOTALS:

Total of 2 Checks:	15,412.59
Less 0 Void Checks:	0.00
Total of 2 Disbursements:	15,412.59

OFFICE OF THE TREASURER
STAN ELDRIDGE



MONTHLY TREASURER'S REPORT
AUGUST 1, 2022 THROUGH AUGUST 31, 2022

Account Name	Beginning Balance	Cash Receipts	Cash Disbursements	Ending Balance
101 - General Fund	7,463,354.43	3,213,984.33	2,794,962.16	7,882,376.60
101 - Payroll	214,313.23	784,597.83	765,803.41	233,107.65
101 - Willow Run Escrow	145,420.51	49.40	0.00	145,469.91
206 - Fire Department	3,720,157.84	6,684.81	337,363.05	3,389,479.60
208 - Parks Fund	23,755.56	41.75	462.42	23,334.89
213 - Roads/Bike Path/Rec/General Fund	1,580,890.21	1,883.49	615,464.15	967,309.55
216 - Fire Pension & OPEB Millage Fund	22,115.42	38.33	1,235.43	20,918.32
217 - Fire Special Millage Capital Fund	1,549,451.59	2,747.54	25,815.43	1,526,383.70
226 - Environmental Services	2,776,973.59	3,327.52	276,085.27	2,504,215.84
230 - Recreation	166,476.34	70,562.82	91,016.33	146,022.83
236 - 14-B District Court	11,543.84	170,583.55	107,395.39	74,732.00
244 - Economic Development	70,655.08	126.63	0.00	70,781.71
249 - Building Department Fund	1,731,696.88	75,621.32	55,696.54	1,751,621.66
250 - LDFA Tax	20,052.98	35.59	0.00	20,088.57
252 - Hydro Station Fund	988,951.90	26,839.97	86,419.03	929,372.84
266 - Law Enforcement Fund	10,526,380.05	59,306.05	583,896.83	10,001,789.27
282 - Cares Act Fund	9,265,428.27	16,571.52	0.00	9,281,999.79
287 - Nuisance Abatement Fund	73,274.50	2,178.04	4,916.79	70,535.75
398 - LDFA 2006 Bonds	20,090.63	35.59	0.00	20,126.22
584 - Green Oaks Golf Course	337,402.28	294,061.40	279,860.72	351,602.96
597 - Compost Site	749,070.65	36,464.50	48,425.12	737,110.03
661 - Motor Pool	346,170.67	934.71	11,451.43	335,653.95
702 - General Tax Collection	77,900.01	16,822.49	44,657.80	50,064.70
703 - Current Tax Collections	3,033,100.39	12,001,964.12	4,583,565.09	10,451,499.42
707 - Bonds & Escrow/GreenTop	1,626,700.01	4,705.64	9,200.77	1,622,204.88
708 - Fire Withholding Bonds	120,836.71	27,711.20	0.00	148,547.91
GRAND TOTAL	**46,662,163.57**	**16,817,880.14**	**10,723,693.16**	**52,756,350.55**

ATTORNEY REPORT

GENERAL LEGAL UPDATE

OLD BUSINESS

Charter Township of Ypsilanti
Proposed Ordinance 2022-500

An ordinance to amend Chapter 62, Article IV, Section 62-76(a)(1) of the Code of Ordinances, Charter Township of Ypsilanti, to adjust waters service rates.

BE IT ORDERED BY THE CHARTER TOWNSHIP OF YPSILANTI, that:

Section 62-76(a)(1) of Chapter 62, Article IV of the Code of Ordinances be revised as follows:

For all billings rendered prior to October 1, 2022, existing water service rates shall prevail. For all billings rendered on or after October 1, 2022, charges for water services shall be as follows, for each bimonthly (two-month) period:

(1) **Readiness-to-serve rates based on size of meter:**

Meter Size (inch)	Water Rate
5/8-3/4	$ 16.73
1	$ 41.83
1-1/2	$ 83.66
2	$ 133.86
3	$ 418.30
4	$ 836.59
6	$ 1,673.19
8	$ 2,928.08
10	$ 4,601.27
12	$ 5,437.87

(2) **Commodity rate:** $3.62 per 100 cubic feet

* * * * * * * * * *

I, Heather Jarrell Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify approval of the first reading of Proposed Ordinance No. 2022-500 by the Charter Township of Ypsilanti Board of Trustees assembled at a regular meeting held on August 16, 2022. The second reading is scheduled to be heard on September 20, 2022

Heather Jarrell Roe

Heather Jarrell Roe, Clerk

Charter Township of Ypsilanti

Charter Township of Ypsilanti
Proposed Ordinance 2022-501

An ordinance to amend Chapter 62, Article IV, Section 62-77 of the Code of Ordinances, Charter Township of Ypsilanti, to adjust sewage disposal rates.

BE IT ORDERED BY THE CHARTER TOWNSHIP OF YPSILANTI, that:

Section 62-77 of Chapter 62, Article IV of the Code of Ordinances be revised as follows:

For all billings rendered prior to October 1, 2022, existing sewage disposal service rates shall prevail. For all billings rendered on or after October 1, 2022, charges for sewage disposal services shall be as follows, for each bimonthly (two-month) period:

(1) **Readiness-to-serve rates based on size of meter:**

Meter Size (inch)	Sewage Rate
5/8-3/4	$ 17.47
1	$ 43.69
1-1/2	$ 87.36
2	$ 139.79
3	$ 436.83
4	$ 873.66
6	$ 1,747.31
8	$ 3,057.80
10	$ 4,805.11
12	$ 5,678.77

(2) **Commodity rate:** $2.88 per 100 cubic feet

* * * * * * * * * *

I, Heather Jarrell Roe, Clerk of the Charter Township of Ypsilanti, County of Washtenaw, State of Michigan hereby certify approval of the first reading of Proposed Ordinance No. 2022-501 by the Charter Township of Ypsilanti Board of Trustees assembled at a regular meeting held on August 16, 2022. The second reading is scheduled to be heard on September 20, 2022

Heather Jarrell Roe

Heather Jarrell Roe, Clerk

Charter Township of Ypsilanti

Dedicated to Providing Top Quality, Cost Effective, and
Environmentally Safe Water and Wastewater Services to Our Customers

YPSILANTI COMMUNITY UTILITIES AUTHORITY

2777 STATE ROAD
YPSILANTI, MICHIGAN 48198-9112
TELEPHONE: 734-484-4600
WEBSITE: www.ycua.org

August 1, 2022

VIA EMAIL

Ms. Heather Jarrell Roe, Clerk
CHARTER TOWNSHIP OF YPSILANTI
7200 South Huron River Drive
Ypsilanti, Michigan 48197

Re: **YCUA Water and Sewer Rate Changes**

Dear Ms. Jarrell Roe:

Please be advised the YCUA Board of Commissioners will be considering a water and readiness to serve rate increase at their regular meeting on August 24, 2022. If approved, the proposed increase of 4% to Township Division customers would become effective October 1, 2022. The Great Lakes Water Authority's Water Charge increase to YCUA was 3.1% which became effective July 1, 2022. At the same meeting, the YCUA Board of Commissioners will also be considering a recommendation to the Township Board of Trustees to increase the sewer and readiness to serve rate by 4%. If approved, the proposed increase to Township Division customers would also become effective October 1, 2022. The applicable ordinances needed to approve these increases are attached as well as the supporting documentation.

Please place these ordinances on the Township Trustees' agenda for their consideration at the Tuesday, August 16, 2022 meeting. Please also forward the supporting material attached for their use in considering these ordinance adoption requests.

Please contact me with any questions or concerns regarding this information by email at lblackburn@ycua.org or by phone at 734-484-4600 ext. 116.

Sincerely,

LUTHER BLACKBURN, Executive Director
Ypsilanti Community Utilities Authority

LB/kks
Enclosures
cc w/encl.: YCUA Board of Commissioners
Ms. Brenda L. Stumbo
Ms. Lisa Stanfield
Mr. Stan Eldridge
Mr. Matthew T. Jane
Mr. Dwayne Harrigan
Ms. Gail M. Thomas

Dedicated to Providing Top Quality, Cost Effective, and
Environmentally Safe Water and Wastewater Services to Our Customers

YPSILANTI COMMUNITY UTILITIES AUTHORITY

2777 STATE ROAD
YPSILANTI, MICHIGAN 48198-9112
TELEPHONE: 734-484-4600
WEBSITE: www.ycua.org

August 1, 2022

VIA EMAIL

CHARTER TOWNSHIP OF YPSILANTI
Board of Trustees
7200 South Huron Street
Ypsilanti, Michigan 48198

Re: **YCUA Water and Sewer Rate Changes**

Dear Trustees:

Please be advised the YCUA Board of Commissioners will be considering a water and readiness to serve rate increase at their regular meeting on August 24, 2022. If approved, the proposed increase of 4% to Township Division customers would become effective October 1, 2022. The Great Lakes Water Authority's Water Charge increase to YCUA was 3.1% which became effective July 1, 2022. At the same meeting, the YCUA Board of Commissioners will also be considering a recommendation to the Township Board of Trustees to increase the sewer and readiness to serve rate by 4%. If approved, the proposed increase to Township Division customers would become also effective October 1, 2022. The combined effect of these rate adjustments will be a 4% increase in a Township Division customer's bimonthly bill.

The ordinances needed for approving these rate adjustments are included in this correspondence for your consideration. Please also find enclosed a document summarizing YCUA's budget related to the Fiscal Year 2022-23. YCUA's Board of Commissioners will also be considering approval of this budget at their regular meeting on August 24, 2022.

Please contact me with any questions or concerns regarding this information by email at lblackburn@ycua.org or by phone at 734-484-4600 ext. 116.

Sincerely,

LUTHER BLACKBURN, Executive Director
Ypsilanti Community Utilities Authority

LB/kks
Enclosures
cc w/encl.: YCUA Board of Commissioners
Ms. Brenda L. Stumbo
Ms. Heather Jarrell Roe
Ms. Lisa Stanfield
Mr. Stan Eldridge
Mr. Matthew T. Jane
Mr. Dwayne Harrigan
Ms. Gail M. Thomas

YPSILANTI COMMUNITY UTILITIES AUTHORITY

2777 STATE ROAD
YPSILANTI, MICHIGAN 48198-9112
TELEPHONE: 734-484-4600
WEBSITE: www.ycua.org

2022-23 Budget Highlights

The Authority's 2022/2023 annual budget reflects the continued recovery from COVID-19, the emergence of record high inflation, and a continued commitment to invest in our system's infrastructure. While we have seen our revenue rebound to an estimated $43.5 million in 2021/2022 from $40.6 in the fiscal year 2020/2021, we also have seen our expected expenses increase to $45.1 million compared to $43.4 in 2020/2021. Please find below various highlights and factors which were considered by the Authority in developing the budget.

- The last 5 years of water use show the unpredictability of consumption due to COVID-19 and the unusual wet weather (usage in MCF or thousand cubic feet):

  2017 - 521,137
  2018 - 513,296 (-1.54%)
  2019 - 479,147 (-2.23%)
  2020 - 493,448 (2.20%)
  2021 - 478,318 (-3.10%)

- Based upon year-to-date usage, we are projecting 2022 usage to come in at 490,000 MCF. Therefore, we are budgeting for a usage of 485,000 MCF in 2023.

- Revenue is forecasted in the 2022/2023 budget to be $45.7 million (a 3.27% increase over 21/22) while expenses come in at $47.9 million (3.02% over 21/22).

- Inflation has dramatically affected the 2021/2022 fiscal year and continues to put pressure on the 2022/2023 budget. While the 2022/23 budget increases by $1.5 million over the 2021/2022 budget, the following categories make up the increase.

Wages	$800,000	*Proposed lump sum payments - $450,000* *Addition of 2 staff members - $150,000* *Budgeted increase of $200,000 to better accommodate expected OT and employee paid time off payouts*
Utilities	$600,000	
Parts/equipment/supplies	$450,000	
Chemicals	$200,000	
Fuel	$200,000	

- Planned capital acquisitions include the following:

Road Repairs	$750,000
Vactor or (2) Backhoes	$500,000 / $150,000
Vehicles (6)	$300,000

- Planned Capital Improvement Projects (DWSRF/CWSRF) include:

  Bridge Rd PS Improvements ~$0.7M
  Textile Rd PS Improvements ~ 1.45M
  Clark Rd PS Improvements ~ $0.95M
  WWTP UV Disinfection Improvements ~ 2M
  WWTP Headworks Odor Control ~ 6M
  Water Meter Improvements ~ 7.6M

For the 2022/2023 Budget, we propose a 4.0% increase in both water and sewer rates:

Twp Customers- (Comprised of a 4.0% increase in water rate and 4.0% increase in sewer rate)
For an average bill (10 units of usage), the bi-monthly cost would be $99.13. This is an increase of $3.81 per bill or $1.915 per month.

Other Community Rate 2020-2021 Comparisons:

Ann Arbor – an increase of 11.5 % in water rates from July 2021 to July 2022
Farmington Hills – an increase of 3.6% water rate and 6.5% sewer rate in June 2022
Grand Rapids – an increase of 4.08% water rate and 4% sewer rate in January 2022
Troy – an increase of 3.9% in water and sewer rates in July 2022.

YCUA Township Division

	water	sewer	Total
Current			
Ready to Service	$16.09	$16.80	$32.89
Commodity rate (per unit)	$3.48	$2.76	$6.24

Average User residential

10 units (7,480 gallons) per 2 month billing cycle

	water	sewer	Total
Ready to Service	$16.09	$16.80	$32.89
10 units	$34.78	$27.65	$62.43
Total	$50.87	$44.45	$95.32

Effect on average Township customers with a proposed 4.00% water rate increase, a sewer rate increase of 4.00%. Combined effect 4.00%

	water	sewer	Total
PROPOSED: October 1, 2022			
Ready to Service	$ 16.73	$ 17.47	$34.21
Commodity rate (per unit)	$ 3.62	$ 2.88	$6.49

Average User residential (proposed)

10 units (7,480 gallons) per 2 month billing cycle

	water	sewer	Total
Ready to Service	$16.73	$17.47	$34.21
10 units	$36.17	$28.75	$64.93
Total	$52.91	$46.23	$99.13
Increase in bill			$ 3.81
Percent Change	4.00%	4.00%	4.00%

NEW BUSINESS

CHARTER TOWNSHIP
OF YPSILANTI

RESOLUTION NO. 2022-13

RESOLUTION REGARDING
TEMPORARY ROAD
CLOSURE

Resolution authorizing the temporary road closure of Rosewood St. between Davis St. and Ecorse Rd. for the Calvary Baptist Church Fall Festival from 11am to 6pm.

WHEREAS, the Charter Township of Ypsilanti Board of Trustees has approved the temporary closure of Ypsilanti Township roads as indicated above; and

WHEREAS, the Driveways, Banners, and Parades Act 200 of 1969 requires the Township to authorize an official designated by resolution to make such request from the Road Commission.

NOW THEREFORE, BE IT RESOLVED that the Township of Ypsilanti Board of Trustees designates and agrees that Fred Crothers, Cavalry Baptist Church Facility Manager be the authorized official designee in this instance, when application is made to the Washtenaw County Road Commission for this temporary road closure.

calvary
BAPTIST CHURCH

Ypsilanti Township
Huron River Drive
Ypsilanti, MI 48198

To: Heather Jarrell Roe, Clerk
Amy Steffens, Permits

Ladies:

This is to inform you of our plan at Calvary Baptist Church, 1007 Ecorse Rd, Ypsilanti, MI 48198. We are planning to have a Fall Festival on October 15, 2022 which will take place in the church gym, the parking lot, and the field on the other side of Rosewood St. We would like to have Rosewood St blocked off between Davis and Ecorse Road from 11AM until 6PM to allow for foot traffic between our building, parking lot, and field.

We plan to have a 4ft x 12 ft sign put up a week or two before this event.

Our plan is to have some games such as football toss, bounce houses, and small pop up type canopies over food prep and serving areas. One 10ft x 20ft simple pop up canopy for an entry way into the parking lot in front of the gym.

I have been in contact with the Washtenaw County Sheriff's department to have a show and tell vehicle on site, and they will be situated so that if they get a call they can exit quickly. The Ypsilanti Fire Department has also agreed to have a unit on hand for show and tell. They have also said that they cannot stay for the entire three hours, and we will make arrangements for them to leave as well. HVA has agreed to have a "non-emergency vehicle and person" available to allow people to peak into their vehicle and talk to the person coming. Should an emergency situation arise at our event, we would still need to call 911 or contact the fire personnel or sheriff on site.

There will also be a petting zoo run by one of the church members. The animals will be contained within a fenced area. Children will be allowed into the fenced area. An adult will be on site at all times.

If you have any question, contact Fred Crothers at 734-255-4082.

Sincerely,

Fred Crothers
Facility Manager
Calvary Baptist Church

1. BLOCK OFF ROSEWOOD AT ECORSE
2 BLOCK OFF ROSEWOOD AT DAVIS
3. PETTING ZOO
4 CHU[illegible] GOODTOWN DRIVEWAY
5 FOOD CONCESSION - NEXT TO GYM 1-2 10X10 POP UP CANOPIES
CRAFTS IN THE GYM

N



Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN NEWMAN II
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON JR.

Recreation Department/
Community Center

2025 East Clark Road
Ypsilanti, MI 48198
Phone: (734)-544-3800
Fax: (734)-544-3888
ytownrec.org

MEMORANDUM

TO: Charter Township of Ypsilanti Board of Trustees

FROM: John Hines, Recreation Director

CC: Mike Hoffmeister – Residential Services Director
Doug Winters, Township Attorney
Nichole Passmore, Recreation Coordinator

DATE: September 14, 2022

RE: **Request to approve the 2022 Contract with the National Kidney Foundation of Michigan to offer Enhance Fitness at the Community Center.**

The Recreation Department is looking to re-establish it's partnership with the National Kidney Foundation of Michigan (NKFM) to offer Enhance Fitness Classes at the Ypsilanti Township Community Center. The proposed start date for the agreement is September 2022, and it is to be automatically renewing unless one party needs to make changes to the agreement.

This partnership with the NKFM is to provide Enhance Fitness classes at no cost to the seniors of the community. Enhance Fitness is an evidence-based group exercise and fall prevention program that helps older adults at all levels of fitness become more active, energized, and empowered. The agreement sees the NKFM provide certified instruction and all necessary equipment free of charge to all participants. The Recreation Department provides advertising for the program, use of the gym, and storage of the equipment.

NKFM's liability insurance certificate, listing Ypsilanti Township as "additional insured" will be provided after the agreement is signed. At that time, it will be forwarded to Attorney Winters for review.

John Hines
Recreation Director

Ypsilanti Township Recreation Department

Program: Enhance® Fitness

VENUE ACCESS AGREEMENT

This Venue Access Agreement ("Agreement") is dated as of the date below and is by and between The National Kidney Foundation of Michigan ("NKFM") and the Ypsilanti Township Recreation Department ("Owner"). Owner acknowledges and agrees that the person that signs this Agreement on Owner's behalf is Owner's authorized representative and NKFM's primary contact for purposes of this Agreement.

1. Venue. Owner hereby grants to NKFM the right to use the venue described in Exhibit A ("Venue"), during the time periods listed in Exhibit A and such other time periods as the parties may otherwise agree, for the purposes described in Exhibit A. Owner shall comply with the protocols and requirements described in Exhibit B, as may be updated from time to time by NKFM, and shall deliver the Venue and all related furniture, fixtures and equipment in good, clean, safe and secure order and condition.

2. Term and Termination. The term of this Agreement shall begin on the date listed below and shall automatically renew unless it is terminated earlier in accordance with its terms. Notwithstanding the foregoing, either party may terminate this Agreement at any time and for any or no reason upon ten (10) days' prior written notice to the other party. For the avoidance of doubt, the Exhibits to this Agreement shall remain in full force and effect throughout the initial term and any renewal term of this Agreement unless otherwise amended in accordance with this Agreement.

3. Equipment, Utilities, Janitorial Services and Laws. Owner shall provide NKFM use of the furniture, fixtures and equipment located in the Venue and the building in which the Venue is situated, as well as such other furniture, fixtures and equipment that are described in Exhibit B. Owner shall also provide the Venue with heat, air conditioning, cold and hot water and electricity for lighting and operation, as well as janitorial services, including trash removal. Owner shall comply with all applicable laws in connection with this Agreement and represents and warrants that it has the full right, power and authority to enter into, grant the rights and licenses and otherwise perform its obligations under this Agreement.

4. Confidentiality. All non-public, confidential or proprietary information of NKFM, its related persons or entities or its program participants is confidential and may not be disclosed or copied by Owner at any time unless authorized by NKFM in writing.

5. Financial Obligations and Liability.

(a) The parties shall comply with their financial and other obligations described in Exhibit C, which may be updated from time to time by the parties.

(b) **Hold Harmless**. Both NKFM and Owner agree to remain responsible for its own negligence, or tortuous acts, errors or omissions occurring during the terms of this Agreement, and the acts errors, or omissions of any its employees, agents or associated and affiliated entities.

(c) IN NO EVENT WILL NKFM BE LIABLE TO OWNER, ANY OWNER'S PERSONNEL OR TO ANY THIRD PARTY FOR (i) ANY LOSS OF USE, REVENUE OR PROFIT OR LOSS OF DATA OR CONSEQUENTIAL, INCIDENTAL, DIRECT, INDIRECT, EXEMPLARY, SPECIAL OR PUNITIVE DAMAGE OR (ii) AGGREGATE DAMAGES IN EXCESS OF $10,000, REGARDLESS OF WHETHER ANY SUCH DAMAGE ARISES OUT OF BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE OR WHETHER ANY SUCH DAMAGE WAS FORESEEABLE OR WHETHER OR NOT NKFM HAD BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

6. Insurance. At all times during the term of this Agreement and for a period of two (2) years thereafter, Owner shall maintain commercial general liability insurance coverage with limits no less than $1,000,000 per occurrence and $2,000,000 in the aggregate, including bodily injury and property damage, which policy will include contractual liability coverage insuring the activities of NKFM under this Agreement. Such insurance policy shall waive any right of subrogation of the insurers against NKFM, provide that such insurance be primary insurance and any similar insurance in the name of and/or for the benefit of NKFM shall be excess and non-contributory and name NKFM and its related persons and entities as additional insureds.

7. Intellectual Property. As between NKFM and Owner, NKFM is and shall be the sole and exclusive owner of (a) all right, title and interest in and to the program that it operates in connection with the Venue and any and all copyrights, trademarks, logos, patents, trade secrets, information, documents, data, know-how, methodologies and other materials and intellectual property rights (collectively, "Intellectual Property") related thereto; and (b) all Intellectual Property developed or acquired by NKFM prior to or independently of this Agreement. Nothing in this Agreement shall, by implication, estoppel or otherwise, grant Owner any rights in any of the foregoing, including, without limitation, any trademarks or logos, and Owner shall refrain from using the NKFM or program names or logos, or any other NKFM Intellectual Property, without first obtaining NKFM's prior written consent.

8. Miscellaneous. This Agreement, including its exhibits, constitutes the sole and entire agreement between the parties with respect to the subject matter contained herein and supersedes all prior and contemporaneous understandings, agreements, representations and warranties regarding such subject matter. All notices and other communications under this Agreement must be in writing and addressed to the other party at its address set forth below. If any provision of this Agreement is found by a court of competent jurisdiction to be invalid, illegal or unenforceable, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction. Upon a determination that any term or provision is invalid, illegal or unenforceable, the parties shall negotiate in good faith to modify this Agreement to effect the original intent of the parties as closely as possible. Except as set forth above, no amendment to or modification of this Agreement is effective unless it is in writing, identified as an amendment to this Agreement and signed by each party. No waiver by any party of any of the provisions of this Agreement shall be effective unless explicitly set forth in writing and signed by the party so waiving. No failure to exercise or delay in exercising any right, remedy, power or privilege arising from this Agreement shall operate or be construed as a waiver thereof, nor shall any single or partial exercise preclude any other or further exercise. This Agreement and all matters arising out of or relating to this Agreement is governed by and is to be construed in accordance with the laws of the State of Michigan, without regard to the conflict of laws provisions thereof. This Agreement may be executed in counterparts, each of which is deemed an original, but all of which together are deemed to be one and the same agreement. The provisions of this Agreement that, by their nature, survive its expiration or

termination, including, without limitation, Sections 4, 5, 6 and 7, shall so survive. A signed copy of this Agreement delivered by facsimile, email or other means of electronic transmission is deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

[SIGNATURE PAGE FOLLOWS]

Ypsilanti Township Recreation Department

Program: Enhance® Fitness

This agreement shall be effective on September 1, 2022 and will automatically renew annually, unless either party needs to make changes or decides to terminate the agreement. It is understood by both parties that at anytime this agreement may be terminated by written notification from either party to the other.

National Kidney Foundation of Michigan

Signature: _____

Name: Charlene Cole

Title: Vice President NKFM

Address: 1169 Oak Valley Drive, Ann Arbor, MI 48108

Ypsilanti Township Recreation Department

Signature: _____

Name: Brenda Stumbo

Title: Ypsilanti Township Supervisor

Address: 2025 E. Clark Road, Ypsilanti, MI 48198

Signature: _____

Name: Heather Jarrell-Roe

Title: Ypsilanti Township Clerk

Address: 2025 E. Clark Road, Ypsilanti, MI 48198

Ypsilanti Township Recreation Department

Program: Enhance® Fitness

EXHIBIT A

VENUE, TIME PERIODS, PURPOSE

Venue Description:
Ypsilanti Township Recreation Department, 2025 E. Clark Road, Ypsilanti, MI 48198

Phone Number:
Office 734-544-3838

Program Contact People:
Nichole Passmore, npassmore@ytown.org

John Hines, jhines@ytown.org

Purpose:
Operation of the EnhanceFitness Program.

Room where the EnhanceFitness Program will take place:
Gym

Square Footage:
62' x 26' = 1612 sq. ft.

Days/Times of the Week for EnhanceFitness Classes**:
3 Classes*/week:
Monday 10:30 – 11:30am
Tuesday and Friday 1:00 pm-2:00pm
1 hour each session with 15 minutes before and after for set up/take down.

* The number of days/week that classes may be offered will be dependent on funding.

**classes may be cancelled for public health concerns, inclement weather, or upon unforeseen circumstances.

Ypsilanti Township Recreation Department

Program: Enhance® Fitness

EXHIBIT B

OWNER REQUIREMENTS

- Provide an ADA accessible facility large enough to hold an Enhance® Fitness (EF) class for participants.
- Provide a chair for every participant to use during an EF class.
- Maximum number of participants in class will be: 50 **(Participants must be Socially Distance)**
- Provide an Automated External Defibrillator (AED) Machine in a location accessible to NKFM EF Instructor.
- Have a First Aid Kit available and accessible to EF instructors.
- Owner shall keep equipment cart in secure office (includes weights, CPR mask, and lockbox).
- Owner shall lock the office where equipment kept at the end of the day.
- As agreed upon between NKFM and Owner, Owner shall be responsible for loss or theft of equipment from the cart.
- Communicate with participants.
- When deemed necessary, by NKFM staff, manage the confidential collection of waivers, attendance, participant demographic data, fitness checks and health and income information as required by NKFM.
- Follow HIPAA requirements at all times when managing the collection of confidential participant information.
- Recruit participants to attend EF classes, which is inclusive for all adults with varying fitness abilities, including those with intellectual and developmental disabilities and those in wheelchairs.
- Discuss sustainability plan with NKFM, if funding was to change.
- Actively and diligently offer and promote NKFM's services and the EF program, subject to Section 7 of the Agreement.
- Carry out its obligations under the Agreement and otherwise act with a high degree of professionalism, due diligence, care and efficiency.
- Not in any manner represent that it has any ownership in NKFM's intellectual property or that of the EF program.
- Not at any time do, or cause to be done, any act or thing in any way impairing or tending to impair, or challenge the validity of, any part of NKFM's intellectual property or that of the EF program.
- Ensure that the NKFM and EF logos appear on all Owner materials that are relevant to promoting the EF program in the community. This includes brochures, promotional materials, and resource materials, as well as recognition in all media materials such as news releases, public service announcements, online and social media, and event listings.

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
JOHN P. NEWMAN II
GLORIA PETERSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to approve the sale and/or removal of excess Township equipment

The Residential Services Department is requesting authorization to approve the removal of excess Township equipment.

Please find attached a listing from a number of pieces of equipment from Township Departments along with estimated values. We will ensure we follow appropriate procedures and policies set in place to appropriately discard equipment.

RSD staff plan to offer and administer a Township auction later this fall.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

2022 Auction List

ID #	Title	Size	Problems	Notes	Starting Bid Price
	Tycrop Top spreader		Needs belt, brushes, bearings		$500.00
	Cyclone Spreader				$500.00
	SureStripe Field Chalker (2)			Two spreaders available	$50.00
#18	2003 Chevy Cavalier		All 6 Brake lines are bad. Quoted $1200 to replace all and brakes		$500.00
#20	1992 Chevy S-10		Bad driver side seatbelt and tires need replaced.		$500.00
#40	2000 Ford Explorer				$500.00
#60	2008 Ford Escape		Battery issues, constant replacement, jumping, etc.	Replacing with existing OCS Explorer	$500.00
#61	2008 Ford Ranger		dead battery		$500.00
#72	2013 Ford Explorer			Replacing with new Explorer-Belinda wants to hold off on auctioning 73 See email dated 8/24/22	$500.00
#407	1995 Pequea utility trailer	16ft Black skid steer trailer		no known problems	$500.00
#311	2013 Huslter ZTR Mower	60" Mower Deck			$500.00
#312	2013 Hustler ZTR mower	72" Mower Deck			$500.00
243	1993 Ford 1900 Tractor		Rear Hydraulic needs to be replaced	P&G	$500.00
N/A	Hammond 4600V transformer	29" tall by 19 deep by 22 wide	Worked the day of change out	In the mp storage	$400.00

Charter Township of Ypsilanti

RESOLUTION NO. 2022-10

2020 MICHIGAN DEPARTMENT OF NATURAL RESOURCES

LAND AND WATER CONSERVATION FUND PROJECT

AGREEMENT RESOLUTION

It is Resolved that the Charter Township of Ypsilanti, Michigan, does hereby accept the terms of the Agreement as received from the Michigan Department of Natural Resources, and that the Charter Township of Ypsilanti does hereby specifically agree, but not by way of limitation, as follows:

1. To appropriate all funds necessary to complete the project during the project period and to provide $176,200 (or 50%) dollars to match the grant authorized by the DEPARTMENT.

2. To maintain satisfactory financial accounts, documents, and records to make them available to the DEPARTMENT for auditing at reasonable times.

3. To construct the project and provide such funds, services, and materials as may be necessary to satisfy the terms of said Agreement.

4. To regulate the use of the facility constructed and reserved under this Agreement to assure the use thereof by the public on equal and reasonable terms.

5. To comply with any and all terms of said Agreement including all terms not specifically set forth in the foregoing portions of this Resolution.”

Supervisor
BRENDA L. STUMBO
Clerk
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Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to approve resolution 2022-10 for the mDNR Land and Water Conservation Fund Project at Community Center Park

The Residential Services Department is requesting approval of resolution 2022-10 for the mDNR Land and Water Conservation Fund project at Community Center Park.

This resolution is required in order to accept an mDNR LWCF grant along with its project agreement, which is also on this agenda. This resolution commits the Township to accepting the grant and funding 50% of its project costs.

This grant is a 2020 mDNR LWCF grant which will be used to renovate the tennis courts at Community Center Park, create an accessible walkway, renovate the fencing and to restore surrounding grounds area. The plan is to reduce the footprint of the tennis courts by 50% and include both tennis and pickleball courts.

This resolution was approved and recommended to the Board of Trustees by the Park Commission at their regular meeting on Monday, September 12, 2022.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

Chair
TAJALLI HODGE
Vice-Chair
DAVID STREETER
Secretary
JEFF NEEL
Treasurer
BRAD HINE
Commissioners
DARREL KIRBY
STAR SMITH
EDWARD BURNETT

7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 484-4700
Fax: (734) 484-5156

Ypsilanti Township Park Commission

RECOMMENDATION TO THE TOWNSHIP BOARD OF TRUSTEES TO APPROVE RESOLUTION 2022-10

September 12, 2022

The Ypsilanti Township Park Commission makes a recommendation to the Ypsilanti Township Board of Trustees to approve Resolution No. 2022-10 for the 2020 Michigan Department of Natural Resources Land and Water Conservation Fund Project Agreement.

The Park Commission thanks the Board for this consideration.

The motion for the recommendation to the Township Board was made by Commissioner Neel and seconded by Commissioner Streeter.

YES: Burnett, Hodge, Hine, Neel, Streeter; NO: None; ABSTAIN: None; ABSENT: Kirby, Smith.

Tajalli Hodge, Chair

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
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Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to approve the mDNR Land and Water Conservation Fund Development Project Agreement for Community Center Park

The Residential Services Department is requesting approval of the mDNR Land and Water Conservation Fund Development Project Agreement for Community Center Park.

This project agreement is required to accept the mDNR LWCF grant along with a resolution, which is also on this agenda.

This grant is a 2020 mDNR LWCF grant which will be used to renovate the tennis courts at Community Center Park, create an accessible walkway, renovate the fencing and to restore surrounding grounds area. The plan is to reduce the footprint of the tennis courts by 50% and include both tennis and pickleball courts.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

Michigan Department of Natural Resources - Grants Management

LAND AND WATER CONSERVATION FUND
DEVELOPMENT PROJECT AGREEMENT

This information is required by authority of Part 5 of Act 451, P.A. 1994 as amended, to receive funds.

CFDA 15.916, Outdoor Recreation, Acquisition, Development & Planning

This Agreement is between **Ypsilanti Charter Township** in the county of **Washtenaw County**, hereinafter referred to as the "GRANTEE," and the MICHIGAN DEPARTMENT OF NATURAL RESOURCES, an agency of the State of Michigan, hereinafter referred to as the "DEPARTMENT." The DEPARTMENT has authority to issue grants to local units of government for the development of public outdoor recreation facilities under Part 703 of the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, as amended. The GRANTEE has been approved by the DEPARTMENT and the United States Department of the Interior, National Park Service ("SERVICE") to receive a grant. In Public Act **166** of **2**, the Legislature appropriated funds to the DEPARTMENT for a Land and Water Conservation Fund (LWCF) grant to the GRANTEE. The Federal Award Date is 05/16/2022 and the Federal Award ID Number for these funds is P22AP0214.

The purpose of this Agreement is to provide funding in exchange for completion of the project named below. This Agreement is subject to the terms and conditions specified herein.

Project Title: Community Center Park Improvements **Project Number:** 26-01845

Amount of grant: $176,200.00 50% **PROJECT TOTAL:** $352,400.00

Amount of match: $176,200.00 50%

Start Date: Date of Execution by DEPARTMENT **End Date:** 06/30/2025

As a precondition to the effectiveness of the Agreement, the GRANTEE is required to sign the Agreement and return it to the DEPARTMENT with the required attachments by **07/15/2022**, or the Agreement may be cancelled by the DEPARTMENT. **This Agreement is not effective until the GRANTEE has signed it, returned it, and the DEPARTMENT has signed it.** The Agreement is considered executed when signed by the DEPARTMENT.

The individuals signing below certify by their signatures that they are authorized to sign this Agreement on behalf of their agencies, and that the parties will fulfill the terms of this Agreement, including any attached appendices, as set forth herein.

GRANTEE

SIGNED _____

By [Print Name]: _____

Title: _____

Organization: _____

_____
Unique Entity Identifier

CV0048511
SIGMA Vendor Number

_____
SIGMA Address ID

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

SIGNED

By: _____
Grants Section Manager

_____
Date of Execution by DEPARTMENT

Phone: 517-284-7268
Email: dnr-grants@michigan.gov

SIGMA Vendor Number

1. This Agreement shall be administered on behalf of the DEPARTMENT by the Grants Management Section within the Finance and Operations Division. All notices, reports, documents, requests, actions or other communications required between the DEPARTMENT and the GRANTEE shall be submitted through the department's online grant management system, MiGrants, which is accessed through www.michigan.gov/dnr-grants, unless otherwise instructed by the DEPARTMENT. Primary points of contact pertaining to this agreement shall be:

GRANTEE CONTACT	**DEPARTMENT CONTACT**
	LWCF Grant Program Manager
Name/Title	Name/Title
	Grants Management/DNR Finance & Operations
Organization	Organization
	525 W. Allegan Street, Lansing, MI 48933
Address	Address
	P.O. Box 30425, Lansing, MI 48909
Address	Address
	517-284-7268
Telephone Number	Telephone Number
	DNR-Grants@michigan.gov
E-mail Address	E-mail Address

2. The legal description of the project area, boundary map of the project area, the development grant application bearing the number **26-01845** uploaded to MiGrants. The Agreement together with the referenced documents in MiGrants and Appendices constitute the entire Agreement between the parties and may be modified only in writing and executed in the same manner as the Agreement is executed.

3. Grant funds are made available to the GRANTEE through a grant by the SERVICE to the DEPARTMENT.

4. The budget period allowed for project completion is from **05/16/2022** through **06/30/2025**, hereinafter referred to as the "project period." Requests by the GRANTEE to extend the project period shall be submitted in MiGrants before the expiration of the project period. Extensions to the project period are at the discretion of the DEPARTMENT and may only be extended by an amendment to this Agreement.

5. The words "project area" shall mean the land and area described in the uploaded legal description and boundary map already referenced as being a part of the project file.

6. The words "project facilities" shall mean the following individual components, as further described in the application.

Access Pathway 6' wide or more
Bench(es)
Fence
Paved ADA Parking Space(s)
Pickelball Court
Rain Garden with Native Plants
Recycle Bin(s)
Tennis Court
Permit Fees

SIGMA Vendor Number

7. The award is not for Research and Development.

8. The DEPARTMENT will:

a. grant to the GRANTEE a sum of money equal to **Fifty Percent (50%)** of **Three Hundred and Fifty-Two Thousand Four Hundred dollars ($352,400.00)**, which is the total eligible cost of construction of the project facilities including engineering costs, but in any event not to exceed **One Hundred and Seventy-Six Thousand Two Hundred dollars ($176,200.00)** which is the total amount obligated by this action.

b. grant these funds in the form of reimbursements to the GRANTEE for eligible costs and expenses incurred as follows:

i. Payments will be made on a reimbursement basis at **Fifty Percent (50%)** of the eligible expenses incurred by the GRANTEE up to 90% of the maximum reimbursement allowable under the grant.

ii. Reimbursement will be made only upon DEPARTMENT review and approval of a complete reimbursement request submitted by the GRANTEE through the MiGrants website which includes an expenditure list supported by documentation as required by the DEPARTMENT, including but not limited to copies of invoices, cancelled checks, EFTs and/or list of volunteer labor and/or force account time and attendance records.

iii. The DEPARTMENT shall conduct an audit of the project's financial records upon approval of the final reimbursement request by DEPARTMENT engineering staff. The DEPARTMENT may issue an audit report with no deductions or may find some costs ineligible for reimbursement.

iv. Final payment will be released pending satisfactory project completion as determined by the DEPARTMENT and completion of a satisfactory audit.

9. The GRANTEE will:

a. immediately make available all funds required to complete the project and to **One Hundred and Seventy-Six Thousand Two Hundred dollars ($176,200.00)** in local match. This sum represents **Fifty Percent (50%)** of the total eligible cost of construction including engineering costs. Any cost overruns incurred to complete the project facilities called for by this Agreement shall be the sole responsibility of the GRANTEE. The indirect rate for this award is zero because it has been waived by the GRANTEE.

b. with the exception of section 106 consultation and engineering costs as provided for in Section 9 incur no costs toward completion of the project facilities before execution of this Agreement and before DEPARTMENT approval of plans, specifications, and bid documents.

c. complete construction of the project facilities to the satisfaction of the DEPARTMENT and to comply with the development project procedures set forth by the DEPARTMENT in completion of the project, including but not limited to the following:

i. Retain the services of a professional architect, landscape architect, or engineer, registered in the State of Michigan to serve as the GRANTEE'S Prime Professional. The Prime Professional shall prepare the plans, specifications and bid documents for the project and oversee project construction.

ii. Within 180 days of execution of this Agreement and before soliciting bids or quotes or incurring costs other than costs associated with the development of plans, specifications, or bid documents, provide the DEPARTMENT with plans, specifications, and bid documents for the project facilities, sealed by the GRANTEE'S Prime Professional.

iii. Upon DEPARTMENT approval of plans, specifications and bid documents, openly advertise and seek written bids for contracts for purchases or services with a value equal to or greater than $50,000 and accept the lowest qualified bid as determined by the GRANTEE'S Prime Professional.

iv. Upon DEPARTMENT approval of plans, specifications and bid documents, solicit three (3) written quotes for contracts for purchases or services between $5,000 and $50,000 and accept the lowest qualified bid as determined by the GRANTEE'S Prime Professional.

v. Maintain detailed written records of the contracting processes used and to submit these records to the DEPARTMENT upon request.

vi. Complete construction to all applicable local, state and federal codes, as amended; including but not limited to the federal Americans with Disabilities Act (ADA) of 2010, as amended; the Persons with Disabilities Civil Rights Act, Act 220 of 1976, as amended; the Playground Equipment Safety Act, P.A. 16 of 1997, as amended; the Utilization of Public Facilities by Physically Limited Act, P.A. 1 of 1966, as amended; the Elliott-Larsen Civil Rights Act, Act 453 of 1976, as amended; and the 2013 Access Board's

Final Guidelines for Outdoor Developed Areas.

vii. Bury all overhead utility lines.

viii. Correct any deficiencies discovered at the final inspection within 90 days of written notification by the DEPARTMENT. These corrections shall be made at the GRANTEE'S expense and are eligible for reimbursement at the discretion of the DEPARTMENT and only to the degree that the GRANTEE'S prior expenditures made toward completion of the project are less than the grant amount allowed under this Agreement.

d. operate the project facilities for a minimum of their useful life as determined by the DEPARTMENT, and as appropriate the SERVICE, to regulate the use thereof to the satisfaction of the DEPARTMENT, and as appropriate the SERVICE, and to appropriate such monies and/or provide such services as shall be necessary to provide such adequate maintenance.

e. provide to the DEPARTMENT for approval, a complete tariff schedule containing all charges to be assessed against the public utilizing the project area and/or any of the facilities constructed thereon, and to provide to the DEPARTMENT for approval, all amendments thereto before the effective date of such amendments. Membership or annual permit systems are prohibited, except to the extent that differences in admission and other fees may be instituted based on residence. Nonresident fees shall not exceed twice that charged residents. If no resident fees are charged, nonresident fees may not exceed the rate charged residents at other comparable state and local public recreation facilities

f. adopt ordinances and/or resolutions necessary to effectuate the provisions of this Agreement; certify copies of all ordinances and/or resolutions adopted for these purposes shall be forwarded to the DEPARTMENT before the effective date thereof.

g. separately account for any revenues received from the project area which exceed the demonstrated operating costs and to reserve such surplus revenues for the future maintenance and/or expansion of the GRANTEE'S park and outdoor recreation program.

h. furnish the DEPARTMENT, upon request, detailed statements covering the annual operation of the project area and/or project facilities, including income and expenses and such other information the DEPARTMENT may reasonably require.

i. maintain the premises in such condition as to comply with all federal, state, and local laws which may be applicable and to make any and all payments required for all taxes, fees, or assessments legally imposed against the project area.

j. erect and maintain a sign on the park entry sign of the property which designates this project as one having been constructed with assistance from the Land and Water Conservation Fund. The size, color, and design of this sign shall be in accordance with DEPARTMENT and SERVICE specifications.

k. conduct a dedication/ribbon-cutting ceremony as soon as possible after the project is completed and the LWCF signs erected within the project area. At least 30 days prior to the dedication/ribbon-cutting ceremony, the DEPARTMENT must be notified in writing of the date, time, and location of the dedication/ribbon-cutting ceremony. GRANTEE shall provide notice of ceremony in the local media. Use of the grant program logo and a brief description of the program are strongly encouraged in public recreation brochures produced by the GRANTEE. At the discretion of the DEPARTMENT, the requirement to conduct a dedication/ribbon-cutting ceremony may be waived.

10. Only eligible costs and expenses incurred toward completion of the project facilities during the project period shall be considered for reimbursement under the terms of this Agreement. Eligible section 106 consultation expenses incurred prior to the issue of this agreement and eligible engineering costs incurred toward completion of the project facilities in the six months preceding the project period are also eligible for reimbursement. Any costs and expenses incurred after the project period shall be the sole responsibility of the GRANTEE.

11. To be eligible for reimbursement, the GRANTEE shall comply with DEPARTMENT requirements. At a minimum, the GRANTEE shall:

a. Submit a progress report every 180 days during the project period.

b. Submit complete requests for partial reimbursement when the GRANTEE is eligible to request at least 25 percent of the grant amount and construction contracts have been executed or construction by force account labor has begun.

c. Submit a complete request for final reimbursement within **90 days of project completion and no later than 9/30/2025**. If the GRANTEE fails to submit a complete final request for reimbursement by this date, the DEPARTMENT may audit the project costs and expenses and make final payment based on documentation on file

as of that date or may terminate this Agreement and require full repayment of grant funds by the GRANTEE.

12. During the project period, the GRANTEE shall obtain prior written authorization from the DEPARTMENT before adding, deleting or making a significant change to any of the project facilities as proposed. Approval of changes is solely at the discretion of the DEPARTMENT. Furthermore, following project completion, the GRANTEE shall obtain prior written authorization from the DEPARTMENT before implementing a change that significantly alters the project facilities as constructed and/or the project area, including but not limited to discontinuing use of a project facility or making a significant change in the recreational use of the project area. Changes pursuant to this Section may also require prior approval of the SERVICE.

13. All project facilities constructed or purchased by the GRANTEE under this Agreement shall be placed and used at the project area and solely for the purposes specified in the application and this Agreement.

14. The project area and all facilities provided thereon and the land and water access ways to the project facilities shall be open to the general public at all times on equal and reasonable terms. No individual shall be denied ingress or egress thereto or the use thereof on the basis of sex, race, color, religion, national origin, residence, age, or disability.

15. Unless an exemption has been authorized by the DEPARTMENT, and as appropriate the SERVICE, pursuant to this Section, the GRANTEE hereby represents that it possesses fee simple title, free of all liens and encumbrances, to the project area. The fee simple title acquired shall not be subject to: (a) any possibility of reversion or right of entry for condition broken or any other executory limitation which may result in defeasance of title or (b) to any reservation or prior conveyance of coal, oil, gas, sand, gravel or other mineral interests.

16. The GRANTEE shall not allow any encumbrance, lien, security interest, mortgage or any evidence of indebtedness to attach to or be perfected against the project area or project facilities included in this Agreement.

17. None of the project area nor any of the project facilities constructed under this Agreement shall be wholly or partially conveyed during the life of the project, either in fee or otherwise or leased for a term of years or for any other period, nor shall there be any whole or partial transfer of the lease title, ownership, or right of maintenance or control by the GRANTEE except with the written approval and consent of the DEPARTMENT and the SERVICE.

18. The assistance provided to the GRANTEE as a result of this Agreement is intended to have a lasting effect on the supply of outdoor recreation, scenic beauty sites, and recreation facilities beyond the financial contribution alone and permanently commits the project area to Michigan's outdoor recreation estate, therefore:

a. The GRANTEE agrees that the project area or any portion thereof will not be converted to other than public outdoor recreation use without prior written approval by the DEPARTMENT and the SERVICE and implementation of mitigation approved by the DEPARTMENT and the SERVICE, including, but not limited to, replacement with land of equal of greater recreational usefulness and market value.
b. Approval of a conversion shall be at the sole discretion of the DEPARTMENT and the SERVICE.
c. Before completion of the project, the GRANTEE, the DEPARTMENT and the SERVICE may mutually agree to alter the project area through an amendment to this Agreement to provide the most satisfactory public outdoor recreation area.

19. Should title to the project area or any portion thereof be acquired from the GRANTEE by any other entity through exercise of the power of eminent domain, the GRANTEE agrees that the proceeds awarded to the GRANTEE shall be used to replace the lands and project facilities affected with outdoor recreation lands and project facilities of at least equal or greater market value, and of equal of greater usefulness and locality. The DEPARTMENT and the SERVICE shall approve such replacement only upon such conditions as it deems necessary to assure the substitution of GRANTEE of other outdoor recreation properties and project facilities of at least equal or greater market value and of equal or greater usefulness and location. Such replacement shall be subject to all the provisions of this Agreement.

20. The GRANTEE acknowledges that:

a. The GRANTEE has examined the project area and that it has found the property to be safe for public use or that action will be taken by the GRANTEE before beginning the project to assure safe use of the property by the public, and
b. The GRANTEE is solely responsible for development, operation, and maintenance of the project area and project

facilities, and that responsibility for actions taken to develop, operate, or maintain the property is solely that of the GRANTEE, and

c. The DEPARTMENT'S involvement in the premises is limited solely to the making of a grant to assist the GRANTEE in developing the project site.

21. The GRANTEE assures the DEPARTMENT that the proposed State-assisted action will not have a negative effect on the environment and, therefore, an Environmental Impact Statement is not required.

22. The GRANTEE hereby acknowledges that this Agreement does not require the State of Michigan or the federal government to issue any permit required by law to construct the outdoor recreational project that is the subject of this Agreement. Such permits include, but are not limited to, permits to fill or otherwise occupy a floodplain, and permits required under Parts 301 and 303 of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, as amended. It is the sole responsibility of the GRANTEE to determine what permits are required for the project, secure the needed permits and remain in compliance with such permits.

23. Before the DEPARTMENT will approve plans, specifications, or bid documents; or give approval to the GRANTEE to advertise, seek quotes, or incur costs for this project, the GRANTEE must provide documentation to the DEPARTMENT that indicates either:

a. It is reasonable for the GRANTEE to conclude, based on the advice of an environmental consultant, as appropriate, that no portion of the project area is a facility as defined in Part 201 of the Michigan Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, as amended; or

b. If any portion of the project area is a facility, documentation that Department of Environment, Great Lakes and Energy-approved response actions have been or will be taken to make the site safe for its intended use within the project period, and that implementation and long-term maintenance of response actions will not hinder public outdoor recreation use and/or the resource protection values of the project area.

24. If the DEPARTMENT determines that, based on contamination, the project area will not be made safe for the planned recreation use within the project period, or another date established by the DEPARTMENT in writing, or if the DEPARTMENT determines that the presence of contamination will reduce the overall usefulness of the property for public recreation and resource protection, the grant may be cancelled by the DEPARTMENT with no reimbursement made to the GRANTEE.

25. The GRANTEE shall acquire and maintain, or cause to be acquired or maintained, insurance which will protect the GRANTEE from claims which may arise out of or result from the GRANTEE'S operations under this Agreement, whether performed by the GRANTEE, a subcontractor or anyone directly or indirectly employed by the GRANTEE, or anyone for whose acts any of them may be liable. Such insurance shall be with companies authorized to do business in the State of Michigan in such amounts and against such risks as are ordinarily carried by similar entities, including but not limited to public liability insurance, worker's compensation insurance or a program of self-insurance complying with the requirements of Michigan law. The GRANTEE shall provide evidence of such insurance to the DEPARTMENT at its request.

26. Nothing in this Agreement shall be construed to impose any obligation upon the DEPARTMENT or the SERVICE to operate, maintain or provide funding for the operation and/or maintenance of any recreational facilities in the project area.

27. The GRANTEE hereby represents that it will defend any suit brought against either party which involves title, ownership, or specific rights, including appurtenant riparian rights, of any lands connected with or affected by this project.

28. The GRANTEE is responsible for the use and occupancy of the premises, the project area and the facilities thereon. The GRANTEE is responsible for the safety of all individuals who are invitees or licensees of the premises. The GRANTEE will defend all claims resulting from the use and occupancy of the premises, the project area and the facilities thereon. The DEPARTMENT is not responsible for the use and occupancy of the premises, the project area and the facilities thereon.

29. Failure by the GRANTEE to comply any of the provisions of this Agreement shall constitute a material breach of this Agreement.

30. Upon breach of the Agreement by the GRANTEE, the DEPARTMENT, in addition to any other remedy provided by law, may:

SIGMA Vendor Number

a. Terminate this Agreement; and/or
b. Withhold and/or cancel future payments to the GRANTEE on any or all current recreation grant projects until the violation is resolved to the satisfaction of the DEPARTMENT; and/or
c. Withhold action on all pending and future grant applications submitted by the GRANTEE under the Land and Water Conservation Fund, the Michigan Natural Resources Trust Fund and the Recreation Passport Grant Program; and/or
d. Require the GRANTEE to pay penalties or perform other acts of mitigation or compensation as directed by the DEPARTMENT or the SERVICE; and/or
e. Require repayment of grant funds paid to GRANTEE; and/or
f. Require specific performance of the Agreement.

31. This Agreement may be canceled by the DEPARTMENT, upon 30 days written notice, due to Executive Order, budgetary reduction, other lack of funding, upon request by the GRANTEE, or upon mutual agreement by the DEPARTMENT and GRANTEE. The DEPARTMENT may honor requests for just and equitable compensation to the GRANTEE for all satisfactory and eligible work completed under this Agreement up until 30 days after written notice, upon which time all outstanding reports and documents are due to the DEPARTMENT and the DEPARTMENT will no longer be liable to pay the GRANTEE for any further charges to the grant.

32. The GRANTEE agrees that the benefit to be derived by the State of Michigan from the full compliance by the GRANTEE with the terms of this Agreement is the preservation, protection and net increase in the quality of public recreation facilities and resources which are available to the people of the State and of the United States and such benefit exceeds to an immeasurable and unascertainable extent the amount of money furnished by the State of Michigan by way of assistance under the terms of this Agreement. The GRANTEE agrees that after final reimbursement has been made to the GRANTEE, repayment by the GRANTEE of grant funds received would be inadequate compensation to the State for any breach of this Agreement. The GRANTEE further agrees therefore, that the appropriate remedy in the event of a breach by the GRANTEE of this Agreement after final reimbursement has been made shall be the specific performance of this Agreement

33. The GRANTEE shall return all grant money if the project area or project facilities are not constructed, operated or used in accordance with this Agreement.

34. The GRANTEE agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of religion, race, color, national origin, age, sex, sexual orientation, height, weight, marital status, partisan considerations, or a disability or genetic information that is unrelated to the person's ability to perform the duties of a particular job or position. The GRANTEE further agrees that any subcontract shall contain non-discrimination provisions which are not less stringent than this provision and binding upon any and all subcontractors. A breach of this covenant shall be regarded as a material breach of this Agreement.

35. The DEPARTMENT shall terminate this Agreement and recover grant funds paid if the GRANTEE or any subcontractor, manufacturer, or supplier of the GRANTEE appears in the register compiled by the Michigan Department of Licensing and Regulatory Affairs pursuant to Public Act No. 278 of 1980.

36. The GRANTEE may not assign or transfer any interest in this Agreement without prior written authorization of the DEPARTMENT, and as appropriate, the SERVICE.

37. The rights of the DEPARTMENT under this Agreement shall continue in perpetuity.

If this Agreement is approved by Resolution, a true copy must be attached to this Agreement. A sample Resolution is attached.

SIGMA Vendor Number

SAMPLE RESOLUTION
(Development)

Upon motion made by _____, seconded by _____, the following Resolution was adopted:

"RESOLVED, that _____, Michigan, does hereby accept the terms of the Agreement as received from the Michigan Department of Natural Resources, and that the _____ does hereby specifically agree, but not by way of limitation, as follows:

1. To appropriate all funds necessary to complete the project during the project period and to provide _____($_____) dollars to match the grant authorized by the DEPARTMENT.

2. To maintain satisfactory financial accounts, documents, and records to make them available to the DEPARTMENT for auditing at reasonable times in perpetuity.

3. To construct the project and provide such funds, services, and materials as may be necessary to satisfy the terms of said Agreement.

4. To regulate the use of the facility constructed and reserved under this Agreement to assure the use thereof by the public on equal and reasonable terms.

5. To comply with any and all terms of said Agreement including all terms not specifically set forth in the foregoing portions of this Resolution."

The following aye votes were recorded: _____
The following nay votes were recorded: _____

STATE OF MICHIGAN)
) ss
COUNTY OF _____)

I, _____, Clerk of the _____, Michigan, do hereby certify that the above is a true and correct copy of the Resolution relative to the Agreement with the Michigan Department of Natural Resources , which Resolution was adopted by the _____ at a meeting held _____.

_____
Signature

_____
Title

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
JOHN P. NEWMAN II
GLORIA PETERSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

CC: Javonna Neel, Accounting Director

Date: September 14, 2022

Subject: Request Authorization to approve the Letter Agreement with Spicer Group to be the Prime Professional for the Community Center Park improvements for $52,000 budgeted in line #213-901-975.520

The Residential Services Department is requesting approval of the Letter Agreement with Spicer Group to become the Prime Professional for the Community Center Park improvements for $52,000 budgeted in line #

Spicer Group will assist in design, engineering, bid document creation, bid review, grant administration and construction administration as part of this letter agreement. Spicer Group has been alongside the Township the entire way on this project including assisting in writing the grant application back in 2020.

This grant is a 2020 mDNR LWCF grant which will be used to renovate the tennis courts at Community Center Park, create an accessible walkway and fencing and restore surrounding grounds area. The plan is to reduce the footprint of the tennis courts by 50% and include both tennis and pickleball courts.

This request is contingent upon a budget amendment.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

September 12, 2022

Mike Hoffmeister, CPRP
Residential Services Director
Charter Township of Ypsilanti
7200 South Huron River Drive
Ypsilanti, MI 48197

RE: Community Center Park Improvements
Charter Township of Ypsilanti, Michigan
Letter Agreement for Professional Services

Mr. Hoffmeister:

At your request, we are furnishing you with a letter agreement to provide professional services related to the design, bidding, construction administration, and inspection of the Community Center Park Improvements project.

BACKGROUND

In 2020, Ypsilanti Charter Township contracted with Spicer Group to apply for a Land and Water Conservation Fund (LWCF) grant through the Michigan Department of Natural Resources (MDNR) to remove existing tennis courts at the Community Center Park and construct new tennis and pickleball courts. The estimated project cost is $352,400.00 and 50% ($176,200.00) is to be funded by the grant, with the remainder to be funded by the Township. Up to $49,500.00 for engineering fees are eligible for 50% grant reimbursement.

The scope of this project includes the removal of the existing tennis court playing surface, equipment, and fence enclosure that is in unusable condition, replacing with a new surface, fence enclosure, and equipment for both tennis and pickleball courts, paving ADA-accessible parking spaces and a short trail from the parking area to the courts, a rain garden, and various site amenities including park benches and waste/recycle receptacles.

In November 2020, the grant application we submitted on your behalf for this project was recommended by MDNR Director Dan Eichinger for award. The Township now must retain the services of a *Prime Professional* and may incur costs associated with the preparation of plans, specifications, and bid documents for the project. This document is our proposal to fulfill the role of *Prime Professional.*

SCOPE OF BASIC PROFESSIONAL SERVICES

Spicer Group's proposed services follow. They are phased to reflect the orderly and reasonable progress of the project.

1. **Survey**
    a. Submit MissDIG design ticket, organize utility information, and coordinate with affected utility companies as necessary
    b. Perform a topographical survey of the site and prepare an existing conditions base plan.
        i. Horizontal and vertical control will be established.
        ii. Survey limits will include the area of the park necessary for creating plans, including 100' beyond the property lines where the project abuts a property line. We do not intend to survey the entire park property.
        iii. All visible physical features will be located, including all walls, drives, paved areas, fences, sidewalks, pathways, trees, shrubs, drainage structures, culverts, etc.
    c. Procure a sub-contractor for soil borings

2. **Design**
    a. Create plans in CAD based on the conceptual drawings submitted in the grant application. These plans will include details necessary for construction.
    b. Anticipated sheets include:
        i. Cover
        ii. Notes
        iii. Existing Conditions
        iv. Site Plan
        v. SESC plan
        vi. Details
    c. Prepare bidding documents including standard contract language and a project manual complete with technical specifications defining pay items and materials/products to be used.
    d. Acquire a soil erosion permit. Permit fees are not included in our professional services fee.
    e. Hold a design review meeting with the Township prior to advertising the project for bids.

3. **Bidding Assistance**
    a. Post Plans and Specifications on the Spicer Group bidding website. We will post an advertisement on MITA and will provide the Township with an electronic copy of the advertisement to post elsewhere, if desired.
    b. Issue addenda as necessary to clarify the bidding documents.
    c. Host a bid opening
    d. Review bids and analyze for completeness; provide a bid tabulation for review
    e. Provide a recommendation of award

4. **Grant Administration**
    a. Assist with MiGrants submittals required by the Nation Parks Service (NPS)
    b. Assist with executing the DNR Project Agreement
    c. Submit plans and specifications to MDNR with Professional Services Certification Form, itemized project cost estimate, and implementation schedule.
    d. Assist with the Contract/Vendor Selection Form and process with MDNR.
    e. Submit Reimbursement Request form PR 1919 with each contractor pay request

5. **Construction Administration**
    a. Issue notice of award
    b. Prepare contract documents and circulate for signatures
    c. Host pre-construction meeting
    d. Issue Notice to Proceed
    e. Review all product submittals and shop drawings
    f. Review pay requests and recommend payment
    g. Provide inspection and materials testing services on site as necessary
        i. 80 hours of inspection and travel time estimated.
        ii. Provide the following materials tests:
            1. Compaction testing during HMA paving
            2. Entrained air, temperature, slump, and compressive strength of concrete
    h. Conduct a substantial completion inspection and provide a punch list to the contractor
    i. Conduct a final completion inspection
    j. Project closeout – provide owner with copies of warranties and as-built drawings.

SERVICES NOT INCLUDED

For a clearer understanding of our work scope, the following is not included in our Scope of Basic Professional Services:

- Seeking or securing additional funding
- Expanding or altering the scope of work defined in the grant application and award
- Permit fees
- Boundary Survey

ADDITIONAL SERVICES

Additional services related to this project will be furnished by us after you authorize the work. Our fee for the additional services will be determined at the time they are agreed to and rendered.

FEE SCHEDULE

Our proposed fee schedule follows. We will submit monthly invoices to you for our basic professional services, any additional authorized services, and any reimbursable expenses. Unless other payment arrangements are made, we will include any of our project subconsultants costs on our invoice including a 10% fee to cover taxes, administration, and insurance.

Survey	$7,000
Design	$20,000
Bidding Assistance	$5,000
Grant Administration	$3,000
Construction Administration	$17,000
Total (Not to exceed)	**$52,000**

We have calculated these fees based on our understanding of what you want us to do and what you have told us. Should we approach the amount of the fee for any reason before we are finished with the work, if the scope changes or our understanding was incorrect, we will notify you and discuss with you the option of adjusting the amount of the fee or adjusting the scope of services.

If this proposal meets with your approval, please acknowledge this approval with an authorized signature below and return one of the enclosed copies to us. We deeply appreciate your confidence in Spicer Group, and we look forward to working with you and for you on your project.

Sincerely,



Kevin J. Wilks, P.E.
Project Manager



Philip A. Westmoreland, P.E.
Sr. Project Manager
SPICER GROUP, INC.
125 Helle Blvd, Suite 2
Dundee, MI 48131
Phone: (734) 823-3308

Attachment: General Conditions

Cc: SGI File 129784PR2020

Above proposal accepted and approved by Owner.

YPSILANTI CHARTER TOWNSHIP

By: _____
Brenda Stumbo, Supervisor

Date: _____

By: _____
Heather Jarrell Roe, Clerk

Date: _____

GENERAL CONDITIONS ATTACHED TO LETTER AGREEMENT

SECTION 1

1.1 **Preamble.** This agreement is based upon a mutual obligation of good faith and fair dealing between the parties in its performance and enforcement. Accordingly, the OWNER and the PROFESSIONAL, with a positive commitment to honesty and integrity, agree to the following:

That each will function within the laws and statutes that apply to its duties and responsibilities; that each will assist in the other's performance; that each will avoid hindering the other's performance; that each will work diligently to fulfill its obligations; and that each will cooperate in the common endeavor of the contract.

1.2 **Ownership of Instruments of Service.** All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the PROFESSIONAL as instruments of service shall be property of the OWNER. The PROFESSIONAL shall retain all common law, statutory and other reserved rights, including the copyright thereto.

1.3 **Covenant not to Hire.** OWNER agrees that during the term of this agreement and for a period of one (1) year thereafter that it will not hire for its own employment any person employed by the PROFESSIONAL in the performance of this agreement.

1.4 **Standard of Care.** Service performed by PROFESSIONAL under this AGREEMENT will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, express or implied, and no warranty or guarantee is included or intended in this AGREEMENT, or in any report, opinion, document or otherwise.

1.5 **Defects in Service.** OWNER and OWNER's personnel, contractors and subcontractors shall upon discovery promptly report to PROFESSIONAL any defects or suspected defects in PROFESSIONAL's work, in order that PROFESSIONAL may take prompt, effective measures which in PROFESSIONAL's opinion will minimize the consequences of a defect in service. PROFESSIONAL shall not be responsible for additional costs due to any tardiness in reporting defects in service.

1.6 **Reimbursable Expenses** mean the actual expenses incurred by PROFESSIONAL or PROFESSIONAL's independent professional associates or consultants, directly or indirectly in connection with the Project, such as expenses for; transportation and subsistence incidental thereto; obtaining bids or proposals from Contractor(s); providing and maintaining field office facilities including furnishings and utilities; subsistence and transportation of Resident Project Representatives and their assistants; toll telephone calls and courier services; reproduction of reports, drawings, specifications, bidding documents, and similar project-related items; and, if authorized in advance by OWNER, overtime work requiring higher than regular rates.

1.7 **Standard Hourly Rates** used as a basis for payment mean those rates in effect at the time that the work is performed, for all PROFESSIONAL's personnel engaged directly on the Project, including, but not limited to, architects, engineers, surveyors, designers, planners, drafters, specification writers, estimators, other technical and business personnel. The Standard Hourly Rates include salaries and wages, direct and indirect payroll costs and fringe benefits. The Standard Hourly Rates of personnel of PROFESSIONAL will be adjusted periodically to reflect changes in personnel and in PROFESSIONAL's overall compensation procedures and practices.

1.8 **Limitation of Liability.** To the fullest extent permitted by law, and not withstanding any other provision of this Agreement, the total liability, in the aggregate, of the PROFESSIONAL and the PROFESSIONAL's officers, directors, partners, employees and subconsultants, and any of them, to the OWNER and anyone claiming by or through the OWNER, for any and all claims, losses, costs or damages, including attorneys' fees and costs and expert-witness fees and costs of any nature whatsoever or claims expenses resulting from or in any way related to the Project or the Agreement from any cause or causes shall not exceed the total compensation received by the PROFESSIONAL under this Agreement, or the total amount of $100,000.00, whichever is greater. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

1.9 **Indemnification.** The PROFESSIONAL agrees, to the fullest extent permitted by law, to indemnify and hold harmless the OWNER, its officers, directors and employees (collectively, Owner) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the PROFESSIONAL's negligent performance of professional services under this Agreement.

The OWNER agrees, to the fullest extent permitted by law, to indemnify and hold harmless the PROFESSIONAL, its officers, directors, employees and subconsultants (collectively, Professional) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the OWNER's negligent acts in connection with the Project and the acts of its contractors, subcontractors or PROFESSIONAL or anyone for whom the OWNER is legally liable.

Neither the OWNER nor the PROFESSIONAL shall be obligated to indemnify the other party in any manner whatsoever for the other party's own negligence.

Nothing herein shall in any way, shape or form be construed to waive Ypsilanti Township's defense of governmental immunity.

1.10 **Severability.** Any term or provision of this Agreement found to be invalid under any applicable statute or rule of law shall be deemed omitted and the remainder of this Agreement shall remain in full force and effect.

1.11 **Survival.** Notwithstanding completion or termination of this Agreement for any reason, all rights, duties and obligations of the parties to this Agreement shall survive such completion or termination and remain in full force and effect until fulfilled.

1.12 **Betterment.** If, due to the PROFESSIONAL's negligence, a required item or component of the Project is omitted from the PROFESSIONAL's construction documents, the PROFESSIONAL shall not be responsible for paying the cost required to add such item or component to the extent that such item or component would have been required and included in the original construction documents. In no event will the PROFESSIONAL be responsible for any cost or expense that provides betterment or upgrades or enhances the value of the Project.

1.13 **Mediation.** In an effort to resolve any conflicts that arise during the design and construction of the Project or following the completion of the Project, the OWNER and the PROFESSIONAL agree that all disputes between them arising out of or relating to the Agreement or the Project shall be submitted to nonbinding mediation unless the parties mutually agree otherwise.

The OWNER and the PROFESSIONAL further agree to include a similar mediation provision in all agreements with independent contractors and consultants also to include a similar mediation provision in all agreements with their subcontractors, subconsultants, suppliers and fabricators, thereby providing for mediation as the primary method for dispute resolution between the parties to all those agreements.

1.14 **Changed Conditions.** If, during the term of this Agreement, circumstances or conditions that were not originally contemplated by or known to the PROFESSIONAL are revealed, to the extent that they affect the scope of services, compensation, schedule, allocation of risks or other material terms of this Agreement, the PROFESSIONAL may call for renegotiation of appropriate portions of this Agreement. The PROFESSIONAL shall notify the OWNER of the changed conditions necessitating renegotiation, and the PROFESSIONAL and the OWNER shall promptly and in good faith enter into renegotiation of this Agreement to address the changed conditions.

1.15 **Hazardous Materials.** Both parties acknowledge that the PROFESSIONAL's scope of services does not include any services related to the presence of any hazardous or toxic materials. In the event the PROFESSIONAL or any other party encounters any hazardous or toxic materials, or should it become known to the PROFESSIONAL that such materials may be present on or about the job site or any adjacent areas that may affect the performance of the PROFESSIONAL's services, the PROFESSIONAL may, at its option and without liability for consequential or any other damages, suspend performance of its services under this Agreement until the OWNER retains appropriate PROFESSIONAL's or contractors to identify and abate or remove the hazardous or toxic materials and warrants that the job site is in full compliance with all applicable laws and regulations.

SECTION 2

2.1 **Assignment.** Neither party to this Agreement shall transfer, sublet or assign any rights under or interest in this Agreement (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party. Subcontracting to subconsultants normally contemplated by the PROFESSIONAL shall not be considered an assignment for purposes of this Agreement.

2.2 **Governing Law & Jurisdiction.** The OWNER and the PROFESSIONAL agree that this Agreement and any legal actions concerning its validity, interpretation and performance shall be governed by the laws of the State of Michigan.

2.3 **Billing and Payment Terms.** *Payment Due:* invoices shall be submitted by the PROFESSIONAL (monthly) are due upon presentation and shall be considered past due if not paid within thirty (30) calendar days of the due date. *Interest:* If payment in full is not received by the PROFESSIONAL within thirty (30) calendar days of the due date, invoices shall bear interest at one-and one-half (1.5) percent of the PAST DUE amount per month, which shall be calculated from the invoice due date. Payment thereafter shall first be applied to accrued interest and then to the unpaid principal.

2.4 **Suspension of Services.** If the OWNER fails to make payments when due or otherwise is in breach of this Agreement, the PROFESSIONAL may suspend performance of service upon ten (10) calendar days' notice to the OWNER. The PROFESSIONAL shall have no liability whatsoever to the OWNER for any costs or damages as a result of such suspension caused by any breach of this Agreement by the OWNER. Upon payment in full by the OWNER the PROFESSIONAL shall resume services under this Agreement, and the time scheduled and compensation shall be equitably adjusted to compensate for the period of suspension plus any other reasonable time and expenses necessary for the PROFESSIONAL to resume performance. *Termination of Services:* If the OWNER fails to make payment to the PROFESSIONAL in accordance with the payment terms herein, this shall constitute a material breach of this Agreement and shall be cause for termination of this Agreement by the PROFESSIONAL. *Set-off, Backcharges, Discounts:* Payment of invoices shall not be subject to any discounts or set-off's by the OWNER unless agreed to in writing by the PROFESSIONAL. Payment to the PROFESSIONAL for services rendered and expenses incurred shall be due and payable regardless of any subsequent suspension or termination of this Agreement by either party.

2.5 **Collection of Costs.** In the event legal actions necessary to enforce the payment terms of this Agreement, the PROFESSIONAL shall be entitled to collect from the OWNER any judgement or settlement sums due, plus reasonable attorneys' fees, court costs and other expenses incurred by the PROFESSIONAL in connection therewith and, in addition, the reasonable value of the PROFESSIONAL's time and expenses spent in connection with such collection action, computed according to the PROFESSIONAL's prevailing fee schedule and expense policies.

2.6 **Delays.** The OWNER agrees that the PROFESSIONAL is not responsible for damages arising directly or indirectly from any delays for causes beyond the PROFESSIONAL's control. For purposes of this Agreement, such causes include, but are not limited to, strikes or other labor disputes; severe weather disruptions or other natural disasters; fires, riots, war or other emergencies or acts of God; failure of any government agency to act in timely manner; failure of performance by the OWNER or the OWNER's contractors or consultants; or discovery of any hazardous substances or differing site conditions.

In addition, if the delays resulting from any such causes increase the cost or time required by the PROFESSIONAL to perform its services in an orderly and efficient manner, the PROFESSIONAL shall be entitled to an equitable adjustment in schedule and/or compensation.

2.7 **Delivery and Use of Electronic Files.** In accepting and utilizing any drawings, reports and data on any form of electronic media generated and furnished by the PROFESSIONAL, the OWNER agrees that all such electronic files are instruments of service of the PROFESSIONAL, who shall be deemed the author, and shall retain all common law, statutory law and other rights, including copyrights.

The OWNER agrees not to reuse these electronic files, in whole or in part, for any purpose other than for the Project. The OWNER agrees not to transfer these electronic files to others without the prior written consent of the PROFESSIONAL. The OWNER further agrees to waive all claims against the PROFESSIONAL resulting in any way from any unauthorized changes to or reuse of the electronic files for any other project by anyone other than the PROFESSIONAL.

The OWNER and the PROFESSIONAL agree that any electronic files furnished by either party shall conform to the original specifications. Any changes to the original electronic specifications by either the OWNER or the PROFESSIONAL are subject to review and acceptance by the other party. Additional services by the PROFESSIONAL made necessary by changes to the electronic file specifications shall be compensated for as Additional Services.

Electronic files furnished by either party shall be subject to an acceptance period of fourteen (14) days during which the receiving party agrees to perform appropriate acceptance tests. The party furnishing the electronic file shall correct any discrepancies or errors detected and reported within the acceptance period. After the acceptance period, the electronic files shall be deemed to be accepted and neither party shall have any obligation to correct errors or maintain electronic files.

The OWNER is aware that differences may exist between the electronic files delivered and the printed hard-copy construction documents. In the event of a conflict between the signed construction documents prepared by the PROFESSIONAL and electronic files, the signed or sealed hard-copy construction documents shall govern.

In addition, the OWNER agrees, to the fullest extent permitted by law, to indemnify and hold harmless the PROFESSIONAL, its officers, directors, employees and subconsultants (collectively, Professional) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, arising from any changes made by anyone other than the PROFESSIONAL or from any reuse of the electronic files without the prior written consent of the PROFESSIONAL.

Under no circumstances shall delivery of electronic files for use by the OWNER be deemed a sale by the PROFESSIONAL, and the PROFESSIONAL makes no warranties, either expressed or implied, or merchantability and fitness for any particular purpose. In no event shall the PROFESSIONAL be liable for indirect or consequential damages as a result of the OWNER's use or reuse of the electronic files.

2.8 **Opinions of Probable Construction Costs.** In providing opinions of probable construction cost, the OWNER understands that the PROFESSIONAL has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the PROFESSIONAL's opinions of probable construction costs are made on the basis of the PROFESSIONAL's judgement and experience. The PROFESSIONAL makes no warranty, express or implied that the bids or the negotiated cost of the Work will not vary from the PROFESSIONAL's opinion of probable construction costs.

SECTION 3

3.1 **Verification of Existing Conditions.** Inasmuch as the remodeling and/or rehabilitation of the existing structures requires that certain assumptions be made by the PROFESSIONAL regarding existing conditions, and because some of these assumptions may not be verifiable without the OWNER's expending substantial sums of money or destroying otherwise adequate or serviceable portions of the structure, the OWNER agrees to bear all costs, losses and expenses, including the cost of the PROFESSIONAL's Additional Services, arising from the discovery of concealed or unknown conditions in the existing structure.

3.2 **Construction Observation.** The PROFESSIONAL shall visit the site if authorized at intervals appropriate to the stage of construction, or as otherwise agreed to in writing by the OWNER and the PROFESSIONAL, in order to observe the progress and quality of the Work completed by the Contractor. Such visits and observation are not intended to be an exhaustive check or a detailed inspection of the Contractor's work but rather are to allow the PROFESSIONAL, as an experienced professional, to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.

Based on this general observation, the PROFESSIONAL shall keep the OWNER informed about the progress of the Work and shall endeavor to guard the OWNER against deficiencies in the work.

If the OWNER desires more extensive project observation or full-time project representation, the OWNER shall request that such services be provided by the PROFESSIONAL as Additional Services in accordance with the terms of this Agreement.

The PROFESSIONAL shall not supervise, direct or have control over the Contractor's work nor have any responsibility for the construction means, methods, techniques, sequences or procedures selected by the Contractor nor for the Contractor's safety precautions or programs in connection with the Work. These rights and responsibilities are solely those of the contractor in accordance with the Contract Documents.

The PROFESSIONAL shall not be responsible for any acts or omissions of the contractor, subcontractor, any entity performing any portions of the Work, or any agents or employees of any of them. The PROFESSIONAL does not guarantee the performance of the Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

3.3 **Jobsite Safety.** Neither the professional activities of the PROFESSIONAL, nor the presence of the PROFESSIONAL or its employees and subconsultants at a construction/project site, shall relieve the General Contractor of its obligations, duties and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending and coordinating the Work in accordance with the contract documents and any health or safety

precautions required by any regulatory agencies, the PROFESSIONAL and its personnel have no authority to exercise any control over any construction contractor or its employees in connection with their work or any health or safety programs or procedures. The OWNER agrees that the General Contractor shall be solely responsible for jobsite safety, and warrants that this intent shall be carried out in the OWNER's contract with the General Contractor. The OWNER also agrees that the OWNER, the PROFESSIONAL and the PROFESSIONAL's subconsultants shall be indemnified by the General Contractor and shall be made additional insureds under the General Contractor's policies of general liability insurance.

3.4 **Design Without Construction Administration.** Unless Authorized, it is understood and agreed that the PROFESSIONAL's Basic Services under this Agreement do not include project observation or review of the Contractor's performance or any other construction phase services, and that such services will be provided for by the OWNER. The OWNER assumes all responsibility for interpretation of the Contract Documents and for construction observation, and the OWNER waives any claims against the PROFESSIONAL that may be in any way connected thereto.

3.5 **Client Requested Substitutions.** Upon request by the OWNER, the PROFESSIONAL shall evaluate and make recommendations regarding substitutions of materials, products or equipment proposed by the OWNER's consultants or contractors. The PROFESSIONAL shall be compensated for these services, as well as any services required to modify and coordinate the construction documents prepared by the PROFESSIONAL with those of the PROFESSIONAL's subconsultants and the OWNER's consultants, as Additional Services. The PROFESSIONAL also shall be entitled to an adjustment in schedule caused by this additional effort.

3.6 **Record Drawings.** If authorized by the Agreement, upon completion of the Work, the PROFESSIONAL shall compile for and deliver to the OWNER a reproducible set of Record Documents based upon the marked-up record drawings, addenda, change orders and other data furnished by the Contractor. These Record documents will show significant changes made during construction. Because these Record Documents are based on unverified information provided by other parties, which the PROFESSIONAL shall assume will be reliable, the PROFESSIONAL cannot and does not warrant their accuracy.

3.7 **Certifications, Guarantees and Warranties.** The PROFESSIONAL shall not be required to sign any documents, no matter by whom requested, that would result in the PROFESSIONAL's having to certify, guarantee or warrant the existence of conditions whose existence the PROFESSIONAL cannot ascertain. The OWNER also agrees not to make resolution of any dispute with the PROFESSIONAL or payment of any amount due to the PROFESSIONAL in any way contingent upon the PROFESSIONAL's signing any such certification.

3.8 **Contingency Fund.** The OWNER and the PROFESSIONAL agree that certain increased cost and changes may be required because of possible omissions, ambiguities or inconsistencies in the drawings and specifications prepared by the PROFESSIONAL and, therefore, that the final construction cost of the Project may exceed the estimated construction cost. The OWNER agrees to set aside a reserve in the amount of 10 percent of the Project construction costs as a contingency to be used, as required, to pay for any such increased costs and changes. The OWNER further agrees to make no claim by way of direct or third-party action against the PROFESSIONAL or its subconsultants with respect to any increased costs within the contingency because of such changes or because of any claims made by the Contractor relating to such changes.

3.9 **Permits and Approvals.** The PROFESSIONAL shall assist the OWNER in applying for those permits and approvals normally required by law for projects similar to the one for which the PROFESSIONAL's services are being engaged. This assistance shall consist of completing and submitting forms to the appropriate regulatory agencies having jurisdiction over the construction documents, and other services normally provided by the PROFESSIONAL and included in the scope of Basic Services of this Agreement.

3.10 **Statutes of Repose and Limitation.** All legal causes of action between the parties to this Agreement shall accrue and any applicable statutes of repose or limitation shall begin to run no later than the date of Substantial Completion. If the act or failure to act complained of occurred after the date of Substantial Completion, then the date of final completion shall be used, but in no event shall any statute of repose or limitation begin to run any later than the date the PROFESSIONAL's services are completed or terminated.

3.11 **Construction Layout.** If requested by the Owner, or other authorized party, as detailed in the scope of services or as an Additional Service to this Agreement, the PROFESSIONAL shall provide construction layout stakes sufficient for construction purposes. The stakes will reflect pertinent information from the construction bidding and contract documents. The stakes shall be set in place one time by the PROFESSIONAL, staged and scheduled as requested by the Contractor. After the stakes are set, it shall be the Contractor's exclusive responsibility to protect the stakes from damage or removal. Once the stake is set, if the stake becomes unusable due to the Contractor's negligence it shall be reset by the PROFESSIONAL, only at the Contractor's direction. The cost for resetting the stakes shall be borne by the Contractor and shall be paid by the Owner or authorized representative of this Agreement to the PROFESSIONAL from monies due the Contractor from the construction contract. The Owner acknowledges and agrees that these staking requirements and the procedures and payments for restaking described in this section shall be stipulated in the General Conditions of the construction contract.

These General Conditions shall be attached to and made part of the Agreement between Spicer Group, Inc. (PROFESSIONAL) and the Owner.

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
JOHN P. NEWMAN II
GLORIA PETERSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to approve the Thee Year Tree Maintenance Agreement with ReLeaf for trees to be planted at Sugarbrook Park

The Residential Services Department is requesting approval of the three year tree maintenance agreement with ReLeaf Michigan for trees to be planted at Sugarbrook Park.

The DTE Foundation and ReLeaf Michigan have chosen Sugarbrook Park as one of their community improvement projects and to plant ten (10) trees in Sugarbrook Park. This includes a community tree planting event for the tree planting.

Required of this event is approval of a three year maintenance agreement for the trees. This requires tree maintenance including watering, mulching weeding and more. Traditionally, when the Township purchases and plants trees, we ensure the trees have warranties. In this situation, we are being asked to maintain the trees for three years.

This maintenance agreement has been approved and was recommended to the Board of Trustees by the Park Commission at their regular meeting on Monday, September 12, 2022.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

Chair
TAJALLI HODGE
Vice-Chair
DAVID STREETER
Secretary
JEFF NEEL
Treasurer
BRAD HINE
Commissioners
DARREL KIRBY
STAR SMITH
EDWARD BURNETT

7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 484-4700
Fax: (734) 484-5156

Ypsilanti Township Park Commission

RECOMMENDATION TO THE TOWNSHIP BOARD OF TRUSTEES TO APPROVE RELEAF TREE MAINTENANCE AGREEMENT

September 12, 2022

The Ypsilanti Township Park Commission makes a recommendation to the Ypsilanti Township Board of Trustees to approve the three year tree maintenance agreement with ReLeaf Michigan for the installation of trees at Sugarbrook Park.

The Park Commission thanks the Board for this consideration.

The motion for the recommendation to the Township Board was made by Commissioner Hine and seconded by Commissioner Streeter.

YES: Burnett, Hodge, Hine, Neel, Streeter; NO: None; ABSTAIN: None; ABSENT: Kirby, Smith.

Tajalli Hodge, Chair

Three Year Tree Maintenance Agreement

This agreement addresses watering, pruning, monitoring of health, and other routine and corrective actions related to the trees being planted. While the trees planted are guaranteed to be disease/virus free and in good condition when planted ***there is no tree replacement guarantee***. Rate of survival is a critical metric to this grant and the awarding of others. Therefore, as part of this agreement; an onsite meeting with a ReLeaf Michigan representative and the individual directly responsible for the maintenance of the trees planted as part of this opportunity will be arranged one year after the planting to walk the site and discuss maintenance related issues, remedial action and to answer questions.

Name of Municipality/School _____

Signature of city/village/town/county/township - manager/mayor/administrator/supervisor/school official or requesting organization to signify agreement and commitment to maintain trees planted as a part of this project:

(Signature/Title) (Date)

Signature of municipality or school individual (city/village forester, DPW Director/Supervisor, Park Supervisor, head of school maintenance etc.) who is directly responsible for the maintenance of the trees planted to signify agreement and commitment to maintain trees planted as a part of this project. Also, to agree to meet with a ReLeaf Michigan representative one year later after the planting to walk the site and discuss maintenance related issues.

(Signature/Title) (Date)

Received by:

(Name of ReLeaf Michigan Representative) (Date)

1100 N. Main Suite 105, Ann Arbor, MI 48104 (p) 1-800-642-7353 (F) 734-998-0163
info@releafmichigan.org ReLeafMichigan.org

Yearly Maintenance Schedule:

Year 1:

- Watering schedule – Water twice a week by hand for a total of 15 gallons per week **OR** provide gator bags for each tree and fill once a week
- Mulching – replenish yearly
- Weeding around trees will be based on watering schedule
- Tree health inspection – Monitor trees for health and arrange for appropriate treatment if insect, disease, or improper cultural practices are present
- Prune only if necessary
- Stake only if necessary
- Check for mower/weed whip damage, vandal damage and animal damage
- Do not fertilize. Fertilizer applied to newly transplanted trees can excessively dry roots (burning)
- Remove all tags from the tree

Year 2:

- Continue watering schedule
- Mulching – replenish yearly
- Weed around trees
- Pruning as necessary
- Remove any stakes and ties
- Check for any insect or disease problems on the new trees and surrounding trees

Year 3: Same as year 2

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
JOHN P. NEWMAN
GLORIA PETERSON
DEBBIE SWANSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

RE: Request authorization to approve Change Order #3 with StanTec as the Prime Professional for the Loonfeather Point Park renovation for $5,000 budgeted in line #213-901-975.587

The Residential Services Department are requesting the Board of Trustees authorize change order #3 as the Prime Professional for the Loonfeather Point Park renovation.

This change order is required to complete their services in order to complete the project. This change order is required for StanTec's need for additional site visits for construction administration due to poor quality, additional coordination for punch list items, and due to additional weeks of construction.

As you know, PGA (General Contractor for this job) has been put on notice that we intend to use Liquidated Damages. The deduction in contract value due to the liquidated damages will pay for this change order with StanTec.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

PROFESSIONAL SERVICES AGREEMENT CHANGE ORDER

Change Order #	3	Date	2 August 2022

"Stantec" Stantec Consulting Michigan Inc.

Stantec Project # 2075154400

3754 Ranchero Drive
Ann Arbor, MI 48103
Ph: (734) 263-9031
email: mark.pascoe@stantec.com

Client Charter Township of Ypsilanti

Client Project # n/a

7200 South Huron River Drive
Ypsilanti, MI 48197
Ph: (734) 544-3515
email: mhoffmeister@ytown.org

Project Name and Location: Loonfeather Point Park Improvements, Ypsilanti, MI

In accordance with the original Professional Services Agreement dated 16 September 2020 and Change Orders thereto, the Agreement changes as detailed below are hereby authorized.

The Change Order 3 scope of work includes: 1. Additional site visits and construction administration to cover time from previous anticipated contractor completion date of April/May 2022, to August/September 2022. December 1, 2021 is the contractors contract deadline. Additional Township costs are subject to reimbursement through the assessment of Liquidated Damages under the construction contract.

	Total fees this Change Order			$	5,000.00
	Original agreement amount			$	58,696.00
	Change Order Number	1		$	3,850.00
	Change Order Number	2		$	12,500.00
	Change Order Number			$	-
	Change Order Number			$	-
	Total Agreement			**$**	**80,046.00**

Effect on Schedule: Contractor closeout anticipated August/September 2022.

Payments shall be made in accordance with the original agreement terms. All other items and conditions of the original Agreement shall remain in full force and effect.

Stantec Consulting Michigan Inc.

Mark Pascoe, Principal
Print Name and Title

Signature

Date Signed:

Charter Township of Ypsilanti

Print Name and Title

Signature

Date Signed:

Charter Township of Ypsilanti

RESOLUTION NO. 2022-15

2021 MICHIGAN DEPARTMENT OF NATURAL RESOURCES

LAND AND WATER CONSERVATION FUND PROJECT

AGREEMENT RESOLUTION

It is Resolved that the Charter Township of Ypsilanti, Michigan, does hereby accept the terms of the Agreement as received from the Michigan Department of Natural Resources for improvements at Clubview Park, and that the Charter Township of Ypsilanti does hereby specifically agree, but not by way of limitation, as follows:

1. To appropriate all funds necessary to complete the project during the project period and to provide $147,500 (or 50%) dollars to match the grant authorized by the DEPARTMENT.

2. To maintain satisfactory financial accounts, documents, and records to make them available to the DEPARTMENT for auditing at reasonable times.

3. To construct the project and provide such funds, services, and materials as may be necessary to satisfy the terms of said Agreement.

4. To regulate the use of the facility constructed and reserved under this Agreement to assure the use thereof by the public on equal and reasonable terms.

5. To comply with any and all terms of said Agreement including all terms not specifically set forth in the foregoing portions of this Resolution.”

Supervisor
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Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
JOHN P. NEWMAN II
GLORIA PETERSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to approve resolution 2022-15 for the mDNR Land and Water Conservation Fund Project at Clubview Park

The Residential Services Department is requesting approval of resolution 2022-11 for the mDNR Land and Water Conservation Fund project at Clubview Park

This resolution is required in order to accept an mDNR LWCF grant along with its project agreement, which is also on this agenda. This resolution commits the Township to accepting the grant and funding 50% of its project costs.

This grant is a 2021 mDNR LWCF grant which will be used to renovate the tennis courts at Clubview Park, renovate the fencing and to restore surrounding grounds area. The plan is to transition from two tennis courts to one tennis court and two (2) pickleball courts.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

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Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to approve the mDNR Land and Water Conservation Fund Development Project Agreement for Clubview Park

The Residential Services Department is requesting approval of the mDNR Land and Water Conservation Fund Development Project Agreement for Clubview Park

This project agreement is required to accept the mDNR LWCF grant along with a resolution, which is also on this agenda.

This grant is a 2021 mDNR LWCF grant which will be used to renovate the tennis courts at Clubview Park, renovate the fencing and to restore surrounding grounds area. The plan is to transition from two tennis courts to one tennis court and two (2) pickleball courts.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

Michigan Department of Natural Resources - Grants Management

LAND AND WATER CONSERVATION FUND
DEVELOPMENT PROJECT AGREEMENT

This information is required by authority of Part 5 of Act 451, P.A. 1994 as amended, to receive funds.

CFDA 15.916, Outdoor Recreation, Acquisition, Development & Planning

This Agreement is between **Ypsilanti Charter Township** in the county of **Washtenaw County**, hereinafter referred to as the "GRANTEE," and the MICHIGAN DEPARTMENT OF NATURAL RESOURCES, an agency of the State of Michigan, hereinafter referred to as the "DEPARTMENT." The DEPARTMENT has authority to issue grants to local units of government for the development of public outdoor recreation facilities under Part 703 of the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, as amended. The GRANTEE has been approved by the DEPARTMENT and the United States Department of the Interior, National Park Service ("SERVICE") to receive a grant. In Public Act **87** of **2021**, the Legislature appropriated funds to the DEPARTMENT for a Land and Water Conservation Fund (LWCF) grant to the GRANTEE. The Federal Award Date is 08/26/2022 and the Federal Award ID Number for these funds is P22AP00447.

The purpose of this Agreement is to provide funding in exchange for completion of the project named below. This Agreement is subject to the terms and conditions specified herein.

Project Title: Clubview Park Improvements **Project Number:** 26-01858

Amount of grant: $147,500.00 50% **PROJECT TOTAL:** $295,000.00

Amount of match: $147,500.00 50%

Start Date: Date of Execution by DEPARTMENT **End Date:** 06/30/2025

As a precondition to the effectiveness of the Agreement, the GRANTEE is required to sign the Agreement and return it to the DEPARTMENT with the required attachments by **10/31/2022**, or the Agreement may be cancelled by the DEPARTMENT. **This Agreement is not effective until the GRANTEE has signed it, returned it, and the DEPARTMENT has signed it.** The Agreement is considered executed when signed by the DEPARTMENT.

The individuals signing below certify by their signatures that they are authorized to sign this Agreement on behalf of their agencies, and that the parties will fulfill the terms of this Agreement, including any attached appendices, as set forth herein.

GRANTEE

SIGNED _____

By [Print Name]: _____

Title: _____

Organization: _____

_____
Unique Entity Identifier

CV0048511
SIGMA Vendor Number

_____
SIGMA Address ID

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

SIGNED

By: _____
Grants Section Manager

_____
Date of Execution by DEPARTMENT

Phone: 517-284-7268
Email: dnr-grants@michigan.gov

1. This Agreement shall be administered on behalf of the DEPARTMENT by the Grants Management Section within the Finance and Operations Division. All notices, reports, documents, requests, actions or other communications required between the DEPARTMENT and the GRANTEE shall be submitted through the department's online grant management system, MiGrants, which is accessed through www.michigan.gov/dnr-grants, unless otherwise instructed by the DEPARTMENT. Primary points of contact pertaining to this agreement shall be:

GRANTEE CONTACT	**DEPARTMENT CONTACT**
	LWCF Grant Program Manager
Name/Title	Name/Title
	Grants Management/DNR Finance & Operations
Organization	Organization
	525 W. Allegan Street, Lansing, MI 48933
Address	Address
	P.O. Box 30425, Lansing, MI 48909
Address	Address
	517-284-7268
Telephone Number	Telephone Number
	DNR-Grants@michigan.gov
E-mail Address	E-mail Address

2. The legal description of the project area, boundary map of the project area, the development grant application bearing the number **26-01858** uploaded to MiGrants. The Agreement together with the referenced documents in MiGrants and Appendices constitute the entire Agreement between the parties and may be modified only in writing and executed in the same manner as the Agreement is executed.

3. Grant funds are made available to the GRANTEE through a grant by the SERVICE to the DEPARTMENT.

4. The budget period of performance allowed for project completion is from **09/01/2022** through **06/30/2025**, hereinafter referred to as the "project period." Requests by the GRANTEE to extend the project period shall be submitted in MiGrants before the expiration of the project period. Extensions to the project period are at the discretion of the DEPARTMENT and may only be extended by an amendment to this Agreement.

5. The words "project area" shall mean the land and area described in the uploaded legal description and boundary map already referenced as being a part of the project file.

6. The words "project facilities" shall mean the following individual components, as further described in the application.

   Access Pathway 6' wide or more
   Bench(es)
   Fence
   Pickelball Court
   Rain Garden with Native Plants
   Recycle Bin(s)
   Tennis Court
   Permit Fees

7. The award is not for Research and Development.

8. The DEPARTMENT will:

a. grant to the GRANTEE a sum of money equal to **Fifty Percent (50%)** of **Two Hundred and Ninety-Five Thousand dollars ($295,000.00)**, which is the total eligible cost of construction of the project facilities including engineering costs, but in any event not to exceed **One Hundred and Forty-Seven Thousand Five Hundred dollars ($147,500.00)** which is the total amount obligated by this action.

b. grant these funds in the form of reimbursements to the GRANTEE for eligible costs and expenses incurred as follows:

i. Payments will be made on a reimbursement basis at **Fifty Percent (50%)** of the eligible expenses incurred by the GRANTEE up to 90% of the maximum reimbursement allowable under the grant.

ii. Reimbursement will be made only upon DEPARTMENT review and approval of a complete reimbursement request submitted by the GRANTEE through the MiGrants website which includes an expenditure list supported by documentation as required by the DEPARTMENT, including but not limited to copies of invoices, cancelled checks, EFTs and/or list of volunteer labor and/or force account time and attendance records.

iii. The DEPARTMENT shall conduct an audit of the project's financial records upon approval of the final reimbursement request by DEPARTMENT staff. The DEPARTMENT may issue an audit report with no deductions or may find some costs ineligible for reimbursement.

iv. Final payment will be released pending satisfactory project completion as determined by the DEPARTMENT and completion of a satisfactory audit.

9. The GRANTEE will:

a. immediately make available all funds required to complete the project and to **One Hundred and Forty-Seven Thousand Five Hundred dollars ($147,500.00)** in local match. This sum represents **Fifty Percent (50%)** of the total eligible cost of construction including engineering costs. Any cost overruns incurred to complete the project facilities called for by this Agreement shall be the sole responsibility of the GRANTEE. The indirect rate for this award is zero because it has been waived by the GRANTEE.

b. Follow the requirements of 2 CFR 200.92 Subaward; 200.101 Applicability; 200.332 Requirements for pass through entities; and 2 CFR 200.318 - 200.327 Procurement Standards.

c. For infrastructure projects, comply with the Build America, Buy America (BABA) Act. All of the iron, steel, manufactured products, and construction materials used in the project must be produced in the United States. For further information, refer to the Development Procedures Booklet.

d. with the exception of section 106 consultation and engineering costs as provided for in Section 9 incur no costs toward completion of the project facilities before execution of this Agreement and before DEPARTMENT approval of plans, specifications, and bid documents.

e. complete construction of the project facilities to the satisfaction of the DEPARTMENT and to comply with the development project procedures set forth by the DEPARTMENT in completion of the project, including but not limited to the following:

i. Retain the services of a professional architect, landscape architect, or engineer, registered in the State of Michigan to serve as the GRANTEE'S Prime Professional. The Prime Professional shall prepare the plans, specifications and bid documents for the project and oversee project construction, which must include reference of the BABA Act for infrastructure project, as noted in our Development Procedure's Booklet..

ii. Within 180 days of execution of this Agreement and before soliciting bids or quotes or incurring costs other than costs associated with the development of plans, specifications, or bid documents, provide the DEPARTMENT with plans, specifications, and bid documents for the project facilities, sealed by the GRANTEE'S Prime Professional.

iii. Upon DEPARTMENT approval of plans, specifications and bid documents, openly advertise and seek written bids for contracts for purchases or services with a value equal to or greater than $50,000 and accept the lowest qualified bid as determined by the GRANTEE'S Prime Professional.

iv. Upon DEPARTMENT approval of plans, specifications and bid documents, solicit three (3) written quotes for contracts for purchases or services between $5,000 and $50,000 and accept the lowest qualified bid as determined by the GRANTEE'S Prime Professional.

v. Maintain detailed written records of the contracting processes used and to submit these records to the

DEPARTMENT upon request.

vi. Complete construction to all applicable local, state and federal codes, as amended; including but not limited to the federal Americans with Disabilities Act (ADA) of 2010, as amended; the Persons with Disabilities Civil Rights Act, Act 220 of 1976, as amended; the Playground Equipment Safety Act, P.A. 16 of 1997, as amended; the Utilization of Public Facilities by Physically Limited Act, P.A. 1 of 1966, as amended; the Elliott-Larsen Civil Rights Act, Act 453 of 1976, as amended; and the 2013 Access Board's Final Guidelines for Outdoor Developed Areas.

vii. Bury all overhead utility lines.

viii. Correct any deficiencies discovered at the final inspection within 90 days of written notification by the DEPARTMENT. These corrections shall be made at the GRANTEE'S expense and are eligible for reimbursement at the discretion of the DEPARTMENT and only to the degree that the GRANTEE'S prior expenditures made toward completion of the project are less than the grant amount allowed under this Agreement.

f. operate the project facilities for a minimum of their useful life as determined by the DEPARTMENT, and as appropriate the SERVICE, to regulate the use thereof to the satisfaction of the DEPARTMENT, and as appropriate the SERVICE, and to appropriate such monies and/or provide such services as shall be necessary to provide such adequate maintenance.

g. provide to the DEPARTMENT for approval, a complete tariff schedule containing all charges to be assessed against the public utilizing the project area and/or any of the facilities constructed thereon, and to provide to the DEPARTMENT for approval, all amendments thereto before the effective date of such amendments. Membership or annual permit systems are prohibited, except to the extent that differences in admission and other fees may be instituted based on residence. Nonresident fees shall not exceed twice that charged residents. If no resident fees are charged, nonresident fees may not exceed the rate charged residents at other comparable state and local public recreation facilities

h. adopt ordinances and/or resolutions necessary to effectuate the provisions of this Agreement; certify copies of all ordinances and/or resolutions adopted for these purposes shall be forwarded to the DEPARTMENT before the effective date thereof.

i. separately account for any revenues received from the project area which exceed the demonstrated operating costs and to reserve such surplus revenues for the future maintenance and/or expansion of the GRANTEE'S park and outdoor recreation program.

j. furnish the DEPARTMENT, upon request, detailed statements covering the annual operation of the project area and/or project facilities, including income and expenses and such other information the DEPARTMENT may reasonably require.

k. maintain the premises in such condition as to comply with all federal, state, and local laws which may be applicable and to make any and all payments required for all taxes, fees, or assessments legally imposed against the project area.

l. erect and maintain a sign on the park entry sign of the property which designates this project as one having been constructed with assistance from the Land and Water Conservation Fund. The size, color, and design of this sign shall be in accordance with DEPARTMENT and SERVICE specifications.

m. conduct a dedication/ribbon-cutting ceremony as soon as possible after the project is completed and the LWCF signs erected within the project area. At least 30 days prior to the dedication/ribbon-cutting ceremony, the DEPARTMENT must be notified in writing of the date, time, and location of the dedication/ribbon-cutting ceremony. GRANTEE shall provide notice of ceremony in the local media. Use of the grant program logo and a brief description of the program are strongly encouraged in public recreation brochures produced by the GRANTEE. At the discretion of the DEPARTMENT, the requirement to conduct a dedication/ribbon-cutting ceremony may be waived.

10. Only eligible costs and expenses incurred toward completion of the project facilities during the project period shall be considered for reimbursement under the terms of this Agreement. Eligible section 106 consultation expenses incurred prior to the issue of this agreement and eligible engineering costs incurred toward completion of the project facilities in the six months preceding the project period are also eligible for reimbursement. Any costs and expenses incurred after the project period shall be the sole responsibility of the GRANTEE.

11. To be eligible for reimbursement, the GRANTEE shall comply with DEPARTMENT requirements. At a minimum, the GRANTEE shall:

a. Submit a progress report every 180 days during the project period.

b. Submit complete requests for partial reimbursement when the GRANTEE is eligible to request at least 25 percent of the grant amount and construction contracts have been executed or construction by force account labor has begun.
c. Submit a complete request for final reimbursement within **90 days of project completion and no later than 9/30/2025**. If the GRANTEE fails to submit a complete final request for reimbursement by this date, the DEPARTMENT may audit the project costs and expenses and make final payment based on documentation on file as of that date or may terminate this Agreement and require full repayment of grant funds by the GRANTEE.

12. During the project period, the GRANTEE shall obtain prior written authorization from the DEPARTMENT before adding, deleting or making a significant change to any of the project facilities as proposed. Approval of changes is solely at the discretion of the DEPARTMENT. Furthermore, following project completion, the GRANTEE shall obtain prior written authorization from the DEPARTMENT before implementing a change that significantly alters the project facilities as constructed and/or the project area, including but not limited to discontinuing use of a project facility or making a significant change in the recreational use of the project area. Changes pursuant to this Section may also require prior approval of the SERVICE.

13. All project facilities constructed or purchased by the GRANTEE under this Agreement shall be placed and used at the project area and solely for the purposes specified in the application and this Agreement.

14. The project area and all facilities provided thereon and the land and water access ways to the project facilities shall be open to the general public at all times on equal and reasonable terms. No individual shall be denied ingress or egress thereto or the use thereof on the basis of sex, race, color, religion, national origin, residence, age, or disability.

15. Unless an exemption has been authorized by the DEPARTMENT, and as appropriate the SERVICE, pursuant to this Section, the GRANTEE hereby represents that it possesses fee simple title, free of all liens and encumbrances, to the project area. The fee simple title acquired shall not be subject to: (a) any possibility of reversion or right of entry for condition broken or any other executory limitation which may result in defeasance of title or (b) to any reservation or prior conveyance of coal, oil, gas, sand, gravel or other mineral interests.

16. The GRANTEE shall not allow any encumbrance, lien, security interest, mortgage or any evidence of indebtedness to attach to or be perfected against the project area or project facilities included in this Agreement.

17. None of the project area nor any of the project facilities constructed under this Agreement shall be wholly or partially conveyed during the life of the project, either in fee or otherwise or leased for a term of years or for any other period, nor shall there be any whole or partial transfer of the lease title, ownership, or right of maintenance or control by the GRANTEE except with the written approval and consent of the DEPARTMENT and the SERVICE.

18. The assistance provided to the GRANTEE as a result of this Agreement is intended to have a lasting effect on the supply of outdoor recreation, scenic beauty sites, and recreation facilities beyond the financial contribution alone and permanently commits the project area to Michigan's outdoor recreation estate, therefore:

a. The GRANTEE agrees that the project area or any portion thereof will not be converted to other than public outdoor recreation use without prior written approval by the DEPARTMENT and the SERVICE and implementation of mitigation approved by the DEPARTMENT and the SERVICE, including, but not limited to, replacement with land of equal of greater recreational usefulness and market value.
b. Approval of a conversion shall be at the sole discretion of the DEPARTMENT and the SERVICE.
c. Before completion of the project, the GRANTEE, the DEPARTMENT and the SERVICE may mutually agree to alter the project area through an amendment to this Agreement to provide the most satisfactory public outdoor recreation area.

19. Should title to the project area or any portion thereof be acquired from the GRANTEE by any other entity through exercise of the power of eminent domain, the GRANTEE agrees that the proceeds awarded to the GRANTEE shall be used to replace the lands and project facilities affected with outdoor recreation lands and project facilities of at least equal or greater market value, and of equal of greater usefulness and locality. The DEPARTMENT and the SERVICE shall approve such replacement only upon such conditions as it deems necessary to assure the substitution of GRANTEE of other outdoor recreation properties and project facilities of at least equal or greater market value and of equal or greater usefulness and location. Such replacement shall be subject to all the provisions of this Agreement.

20. The GRANTEE acknowledges that:

a. The GRANTEE has examined the project area and that it has found the property to be safe for public use or that action will be taken by the GRANTEE before beginning the project to assure safe use of the property by the public, and
b. The GRANTEE is solely responsible for development, operation, and maintenance of the project area and project facilities, and that responsibility for actions taken to develop, operate, or maintain the property is solely that of the GRANTEE, and
c. The DEPARTMENT'S involvement in the premises is limited solely to the making of a grant to assist the GRANTEE in developing the project site.

21. The GRANTEE assures the DEPARTMENT that the proposed State-assisted action will not have a negative effect on the environment and, therefore, an Environmental Impact Statement is not required.

22. The GRANTEE hereby acknowledges that this Agreement does not require the State of Michigan or the federal government to issue any permit required by law to construct the outdoor recreational project that is the subject of this Agreement. Such permits include, but are not limited to, permits to fill or otherwise occupy a floodplain, and permits required under Parts 301 and 303 of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, as amended. It is the sole responsibility of the GRANTEE to determine what permits are required for the project, secure the needed permits and remain in compliance with such permits.

23. Before the DEPARTMENT will approve plans, specifications, or bid documents; or give approval to the GRANTEE to advertise, seek quotes, or incur costs for this project, the GRANTEE must provide documentation to the DEPARTMENT that indicates either:

a. It is reasonable for the GRANTEE to conclude, based on the advice of an environmental consultant, as appropriate, that no portion of the project area is a facility as defined in Part 201 of the Michigan Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, as amended; or
b. If any portion of the project area is a facility, documentation that Department of Environment, Great Lakes and Energy-approved response actions have been or will be taken to make the site safe for its intended use within the project period, and that implementation and long-term maintenance of response actions will not hinder public outdoor recreation use and/or the resource protection values of the project area.

24. If the DEPARTMENT determines that, based on contamination, the project area will not be made safe for the planned recreation use within the project period, or another date established by the DEPARTMENT in writing, or if the DEPARTMENT determines that the presence of contamination will reduce the overall usefulness of the property for public recreation and resource protection, the grant may be cancelled by the DEPARTMENT with no reimbursement made to the GRANTEE.

25. The GRANTEE shall acquire and maintain, or cause to be acquired or maintained, insurance which will protect the GRANTEE from claims which may arise out of or result from the GRANTEE'S operations under this Agreement, whether performed by the GRANTEE, a subcontractor or anyone directly or indirectly employed by the GRANTEE, or anyone for whose acts any of them may be liable. Such insurance shall be with companies authorized to do business in the State of Michigan in such amounts and against such risks as are ordinarily carried by similar entities, including but not limited to public liability insurance, worker's compensation insurance or a program of self-insurance complying with the requirements of Michigan law. The GRANTEE shall provide evidence of such insurance to the DEPARTMENT at its request.

26. Nothing in this Agreement shall be construed to impose any obligation upon the DEPARTMENT or the SERVICE to operate, maintain or provide funding for the operation and/or maintenance of any recreational facilities in the project area.

27. The GRANTEE hereby represents that it will defend any suit brought against either party which involves title, ownership, or specific rights, including appurtenant riparian rights, of any lands connected with or affected by this project.

28. The GRANTEE is responsible for the use and occupancy of the premises, the project area and the facilities thereon. The GRANTEE is responsible for the safety of all individuals who are invitees or licensees of the premises. The GRANTEE will defend all claims resulting from the use and occupancy of the premises, the project area and the facilities thereon. The DEPARTMENT is not responsible for the use and occupancy of the premises, the project area and the facilities thereon.

29. Failure by the GRANTEE to comply any of the provisions of this Agreement shall constitute a material breach of this Agreement.

30. Upon breach of the Agreement by the GRANTEE, the DEPARTMENT, in addition to any other remedy provided by law, may:

a. Terminate this Agreement; and/or
b. Withhold and/or cancel future payments to the GRANTEE on any or all current recreation grant projects until the violation is resolved to the satisfaction of the DEPARTMENT; and/or
c. Withhold action on all pending and future grant applications submitted by the GRANTEE under the Land and Water Conservation Fund, the Michigan Natural Resources Trust Fund and the Recreation Passport Grant Program; and/or
d. Require the GRANTEE to pay penalties or perform other acts of mitigation or compensation as directed by the DEPARTMENT or the SERVICE; and/or
e. Require repayment of grant funds paid to GRANTEE; and/or
f. Require specific performance of the Agreement.

31. This Agreement may be canceled by the DEPARTMENT, upon 30 days written notice, due to Executive Order, budgetary reduction, other lack of funding, upon request by the GRANTEE, or upon mutual agreement by the DEPARTMENT and GRANTEE. The DEPARTMENT may honor requests for just and equitable compensation to the GRANTEE for all satisfactory and eligible work completed under this Agreement up until 30 days after written notice, upon which time all outstanding reports and documents are due to the DEPARTMENT and the DEPARTMENT will no longer be liable to pay the GRANTEE for any further charges to the grant.

32. The GRANTEE agrees that the benefit to be derived by the State of Michigan from the full compliance by the GRANTEE with the terms of this Agreement is the preservation, protection and net increase in the quality of public recreation facilities and resources which are available to the people of the State and of the United States and such benefit exceeds to an immeasurable and unascertainable extent the amount of money furnished by the State of Michigan by way of assistance under the terms of this Agreement. The GRANTEE agrees that after final reimbursement has been made to the GRANTEE, repayment by the GRANTEE of grant funds received would be inadequate compensation to the State for any breach of this Agreement. The GRANTEE further agrees therefore, that the appropriate remedy in the event of a breach by the GRANTEE of this Agreement after final reimbursement has been made shall be the specific performance of this Agreement

33. The GRANTEE shall return all grant money if the project area or project facilities are not constructed, operated or used in accordance with this Agreement.

34. The GRANTEE agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of religion, race, color, national origin, age, sex, sexual orientation, height, weight, marital status, partisan considerations, or a disability or genetic information that is unrelated to the person's ability to perform the duties of a particular job or position. The GRANTEE further agrees that any subcontract shall contain non-discrimination provisions which are not less stringent than this provision and binding upon any and all subcontractors. A breach of this covenant shall be regarded as a material breach of this Agreement.

35. The DEPARTMENT shall terminate this Agreement and recover grant funds paid if the GRANTEE or any subcontractor, manufacturer, or supplier of the GRANTEE appears in the register compiled by the Michigan Department of Licensing and Regulatory Affairs pursuant to Public Act No. 278 of 1980.

36. The GRANTEE may not assign or transfer any interest in this Agreement without prior written authorization of the DEPARTMENT, and as appropriate, the SERVICE.

SAMPLE RESOLUTION
(Development)

Upon motion made by _____, seconded by _____, the following Resolution was adopted:

"RESOLVED, that _____, Michigan, does hereby accept the terms of the Agreement as received from the Michigan Department of Natural Resources, and that the _____ does hereby specifically agree, but not by way of limitation, as follows:

1. To appropriate all funds necessary to complete the project during the project period and to provide _____($_____) dollars to match the grant authorized by the DEPARTMENT.

2. To maintain satisfactory financial accounts, documents, and records to make them available to the DEPARTMENT for auditing at reasonable times in perpetuity.

3. To construct the project and provide such funds, services, and materials as may be necessary to satisfy the terms of said Agreement.

4. To regulate the use of the facility constructed and reserved under this Agreement to assure the use thereof by the public on equal and reasonable terms.

5. To comply with any and all terms of said Agreement including all terms not specifically set forth in the foregoing portions of this Resolution."

The following aye votes were recorded: _____
The following nay votes were recorded: _____

STATE OF MICHIGAN)
) ss
COUNTY OF _____)

I, _____, Clerk of the _____, Michigan, do hereby certify that the above is a true and correct copy of the Resolution relative to the Agreement with the Michigan Department of Natural Resources , which Resolution was adopted by the _____ at a meeting held _____.

_____
Signature

_____
Title

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
JOHN P. NEWMAN II
GLORIA PETERSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

CC: Javonna Neel, Accounting Director

Date: September 14, 2022

Subject: Request Authorization to approve the Letter Agreement with Spicer Group to be the Prime Professional for the Clubview Park improvements for $47,000 budgeted in line #213-901-974.026

The Residential Services Department is requesting approval of the Letter Agreement with Spicer Group to become the Prime Professional for the Clubview improvements for $47,000 budgeted in line #213-901-974.026

Spicer Group will assist in design, engineering, bid document creation, bid review, grant administration and construction administration as part of this letter agreement. Spicer Group has been alongside the Township the entire way on this project including assisting in writing the grant application back in 2021.

This grant is a 2021 mDNR LWCF grant which will be used to renovate the tennis courts at Clubview Park renovate the fencing and to restore surrounding grounds area. The plan is to transition from two tennis courts to one tennis court and two (2) pickleball courts.

This request is contingent upon a budget amendment. Additionally, this agreement will take place between two budget years and will require partial funding for 2022 and 2023.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

September 12, 2022

Mike Hoffmeister, CPRP
Residential Services Director
Charter Township of Ypsilanti
7200 South Huron River Drive
Ypsilanti, MI 48197

RE: Clubview Park Improvements
Charter Township of Ypsilanti, Michigan
Letter Agreement for Professional Services

Mr. Hoffmeister:

At your request, we are furnishing you with a letter agreement to provide professional services related to the design, bidding, construction administration, and inspection of the Clubview Park Improvements project.

BACKGROUND

In 2019, Ypsilanti Charter Township contracted with Spicer Group to apply for a Recreation Passport (RP) grant through the Michigan Department of Natural Resources (MDNR) to remove existing tennis courts at Clubview Park and construct new tennis and pickleball courts. The project was not selected for funding, so in 2021 we applied for a Land and Water Conservation Fund (LWCF) grant. This grant application was recommended for approval with an estimated project cost of $295,000.00; 50% ($147,500.00) of which is to be funded by the grant, with the remainder to be funded by the Township. Up to $38,400.00 for engineering fees are eligible for 50% grant reimbursement.

The scope of this project includes the removal of the existing tennis court playing surface, equipment, and fence enclosure that is in unusable condition, replacing with a new surface, fence enclosure, and equipment for both tennis and pickleball courts, resurfacing the crushed stone pathway within the park, a rain garden, and various site amenities including park benches and waste/recycle receptacles.

Since January 2022, the status of this grant application was listed as “NPS Approval Pending,” meaning that it was selected by MDNR for funding and must now be approved by NPS. In anticipation of this approval, the Township may now retain the services of a *Prime Professional.* To ensure the Township is able to receive the 50% reimbursement for engineering services, we will not proceed with effort on this project until approved by the NPS. This document is our proposal to fulfill the role of *Prime Professional.*

SCOPE OF BASIC PROFESSIONAL SERVICES

Spicer Group's proposed services follow. They are phased to reflect the orderly and reasonable progress of the project.

1. **Survey**
    a. Submit MissDIG design ticket, organize utility information, and coordinate with affected utility companies as necessary
    b. Perform a topographical survey of the site and prepare an existing conditions base plan.
        i. Horizontal and vertical control will be established.
        ii. Survey limits will include the area of the park necessary for creating plans, including 100' beyond the property lines where the project abuts a property line. We do not intend to survey the entire park property.
        iii. All visible physical features will be located, including all walls, drives, paved areas, fences, sidewalks, pathways, trees, shrubs, drainage structures, culverts, etc.
    c. Procure a sub-contractor for soil borings

2. **Design**
    a. Create plans in CAD based on the conceptual drawings submitted in the grant application. These plans will include details necessary for construction.
    b. Anticipated sheets include:
        i. Cover
        ii. Notes
        iii. Existing Conditions
        iv. Site Plan
        v. SESC plan
        vi. Details
    c. Prepare bidding documents including standard contract language and a project manual complete with technical specifications defining pay items and materials/products to be used.
    d. Acquire a soil erosion permit. Permit fees are not included in our professional services fee.
    e. Hold a design review meeting with the Township prior to advertising the project for bids.

3. **Bidding Assistance**
    a. Post Plans and Specifications on the Spicer Group bidding website. We will post an advertisement on MITA and will provide the Township with an electronic copy of the advertisement to post elsewhere, if desired.
    b. Issue addenda as necessary to clarify the bidding documents.
    c. Host a bid opening
    d. Review bids and analyze for completeness; provide a bid tabulation for review
    e. Provide a recommendation of award

4. **Grant Administration**
    a. Assist with MiGrants submittals required by the Nation Parks Service (NPS)
    b. Assist with executing the DNR Project Agreement
    c. Submit plans and specifications to MDNR with Professional Services Certification Form, itemized project cost estimate, and implementation schedule.
    d. Assist with the Contract/Vendor Selection Form and process with MDNR.
    e. Submit Reimbursement Request form PR 1919 with each contractor pay request

5. **Construction Administration**
    a. Issue notice of award
    b. Prepare contract documents and circulate for signatures
    c. Host pre-construction meeting
    d. Issue Notice to Proceed
    e. Review all product submittals and shop drawings
    f. Review pay requests and recommend payment
    g. Provide inspection and materials testing services on site as necessary
        i. 80 hours of inspection and travel time estimated.
        ii. Provide the following materials tests:
            1. Compaction testing during HMA paving
            2. Entrained air, temperature, slump, and compressive strength of concrete
    h. Conduct a substantial completion inspection and provide a punch list to the contractor
    i. Conduct a final completion inspection
    j. Project closeout – provide owner with copies of warranties and as-built drawings.

SERVICES NOT INCLUDED

For a clearer understanding of our work scope, the following is not included in our Scope of Basic Professional Services:

- Seeking or securing additional funding
- Expanding or altering the scope of work defined in the grant application and award
- Permit fees
- Boundary Survey

ADDITIONAL SERVICES

Additional services related to this project will be furnished by us after you authorize the work. Our fee for the additional services will be determined at the time they are agreed to and rendered.

FEE SCHEDULE

Our proposed fee schedule follows. We will submit monthly invoices to you for our basic professional services, any additional authorized services, and any reimbursable expenses. Unless other payment arrangements are made, we will include any of our project subconsultants costs on our invoice including a 10% fee to cover taxes, administration, and insurance.

Survey	$7,000
Design	$16,000
Bidding Assistance	$4,000
Grant Administration	$3,000
Construction Administration	$17,000
Total (Not to exceed)	**$47,000**

We have calculated these fees based on our understanding of what you want us to do and what you have told us. Should we approach the amount of the fee for any reason before we are finished with the work, if the scope changes or our understanding was incorrect, we will notify you and discuss with you the option of adjusting the amount of the fee or adjusting the scope of services.

If this proposal meets with your approval, please acknowledge this approval with an authorized signature below and return one of the enclosed copies to us. We deeply appreciate your confidence in Spicer Group, and we look forward to working with you and for you on your project.

Sincerely,



Kevin J. Wilks, P.E.
Project Manager



Philip A. Westmoreland, P.E.
Sr. Project Manager
SPICER GROUP, INC.
125 Helle Blvd, Suite 2
Dundee, MI 48131
Phone: (734) 823-3308

Attachment: General Conditions

Cc: SGI File 129784PR2020

Above proposal accepted and approved by Owner.

YPSILANTI CHARTER TOWNSHIP

By: _____
Brenda Stumbo, Supervisor

Date: _____

By: _____
Heather Jarrell Roe, Clerk

Date: _____

GENERAL CONDITIONS ATTACHED TO LETTER AGREEMENT

SECTION 1

1.1 **Preamble.** This agreement is based upon a mutual obligation of good faith and fair dealing between the parties in its performance and enforcement. Accordingly, the OWNER and the PROFESSIONAL, with a positive commitment to honesty and integrity, agree to the following:

That each will function within the laws and statutes that apply to its duties and responsibilities; that each will assist in the other's performance; that each will avoid hindering the other's performance; that each will work diligently to fulfill its obligations; and that each will cooperate in the common endeavor of the contract.

1.2 **Ownership of Instruments of Service.** All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the PROFESSIONAL as instruments of service shall be property of the OWNER. The PROFESSIONAL shall retain all common law, statutory and other reserved rights, including the copyright thereto.

1.3 **Covenant not to Hire.** OWNER agrees that during the term of this agreement and for a period of one (1) year thereafter that it will not hire for its own employment any person employed by the PROFESSIONAL in the performance of this agreement.

1.4 **Standard of Care.** Service performed by PROFESSIONAL under this AGREEMENT will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, express or implied, and no warranty or guarantee is included or intended in this AGREEMENT, or in any report, opinion, document or otherwise.

1.5 **Defects in Service.** OWNER and OWNER's personnel, contractors and subcontractors shall upon discovery promptly report to PROFESSIONAL any defects or suspected defects in PROFESSIONAL's work, in order that PROFESSIONAL may take prompt, effective measures which in PROFESSIONAL's opinion will minimize the consequences of a defect in service. PROFESSIONAL shall not be responsible for additional costs due to any tardiness in reporting defects in service.

1.6 **Reimbursable Expenses** mean the actual expenses incurred by PROFESSIONAL or PROFESSIONAL's independent professional associates or consultants, directly or indirectly in connection with the Project, such as expenses for; transportation and subsistence incidental thereto; obtaining bids or proposals from Contractor(s); providing and maintaining field office facilities including furnishings and utilities; subsistence and transportation of Resident Project Representatives and their assistants; toll telephone calls and courier services; reproduction of reports, drawings, specifications, bidding documents, and similar project-related items; and, if authorized in advance by OWNER, overtime work requiring higher than regular rates.

1.7 **Standard Hourly Rates** used as a basis for payment mean those rates in effect at the time that the work is performed, for all PROFESSIONAL's personnel engaged directly on the Project, including, but not limited to, architects, engineers, surveyors, designers, planners, drafters, specification writers, estimators, other technical and business personnel. The Standard Hourly Rates include salaries and wages, direct and indirect payroll costs and fringe benefits. The Standard Hourly Rates of personnel of PROFESSIONAL will be adjusted periodically to reflect changes in personnel and in PROFESSIONAL's overall compensation procedures and practices.

1.8 **Limitation of Liability.** To the fullest extent permitted by law, and not withstanding any other provision of this Agreement, the total liability, in the aggregate, of the PROFESSIONAL and the PROFESSIONAL's officers, directors, partners, employees and subconsultants, and any of them, to the OWNER and anyone claiming by or through the OWNER, for any and all claims, losses, costs or damages, including attorneys' fees and costs and expert-witness fees and costs of any nature whatsoever or claims expenses resulting from or in any way related to the Project or the Agreement from any cause or causes shall not exceed the total compensation received by the PROFESSIONAL under this Agreement, or the total amount of $100,000.00, whichever is greater. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

1.9 **Indemnification.** The PROFESSIONAL agrees, to the fullest extent permitted by law, to indemnify and hold harmless the OWNER, its officers, directors and employees (collectively, Owner) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the PROFESSIONAL's negligent performance of professional services under this Agreement.

The OWNER agrees, to the fullest extent permitted by law, to indemnify and hold harmless the PROFESSIONAL, its officers, directors, employees and subconsultants (collectively, Professional) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, to the extent caused by the OWNER's negligent acts in connection with the Project and the acts of its contractors, subcontractors or PROFESSIONAL or anyone for whom the OWNER is legally liable.

Neither the OWNER nor the PROFESSIONAL shall be obligated to indemnify the other party in any manner whatsoever for the other party's own negligence.

Nothing herein shall in any way, shape or form be construed to waive Ypsilanti Township's defense of governmental immunity.

1.10 **Severability.** Any term or provision of this Agreement found to be invalid under any applicable statute or rule of law shall be deemed omitted and the remainder of this Agreement shall remain in full force and effect.

1.11 **Survival.** Notwithstanding completion or termination of this Agreement for any reason, all rights, duties and obligations of the parties to this Agreement shall survive such completion or termination and remain in full force and effect until fulfilled.

1.12 **Betterment.** If, due to the PROFESSIONAL's negligence, a required item or component of the Project is omitted from the PROFESSIONAL's construction documents, the PROFESSIONAL shall not be responsible for paying the cost required to add such item or component to the extent that such item or component would have been required and included in the original construction documents. In no event will the PROFESSIONAL be responsible for any cost or expense that provides betterment or upgrades or enhances the value of the Project.

1.13 **Mediation.** In an effort to resolve any conflicts that arise during the design and construction of the Project or following the completion of the Project, the OWNER and the PROFESSIONAL agree that all disputes between them arising out of or relating to the Agreement or the Project shall be submitted to nonbinding mediation unless the parties mutually agree otherwise.

The OWNER and the PROFESSIONAL further agree to include a similar mediation provision in all agreements with independent contractors and consultants also to include a similar mediation provision in all agreements with their subcontractors, subconsultants, suppliers and fabricators, thereby providing for mediation as the primary method for dispute resolution between the parties to all those agreements.

1.14 **Changed Conditions.** If, during the term of this Agreement, circumstances or conditions that were not originally contemplated by or known to the PROFESSIONAL are revealed, to the extent that they affect the scope of services, compensation, schedule, allocation of risks or other material terms of this Agreement, the PROFESSIONAL may call for renegotiation of appropriate portions of this Agreement. The PROFESSIONAL shall notify the OWNER of the changed conditions necessitating renegotiation, and the PROFESSIONAL and the OWNER shall promptly and in good faith enter into renegotiation of this Agreement to address the changed conditions.

1.15 **Hazardous Materials.** Both parties acknowledge that the PROFESSIONAL's scope of services does not include any services related to the presence of any hazardous or toxic materials. In the event the PROFESSIONAL or any other party encounters any hazardous or toxic materials, or should it become known to the PROFESSIONAL that such materials may be present on or about the job site or any adjacent areas that may affect the performance of the PROFESSIONAL's services, the PROFESSIONAL may, at its option and without liability for consequential or any other damages, suspend performance of its services under this Agreement until the OWNER retains appropriate PROFESSIONAL's or contractors to identify and abate or remove the hazardous or toxic materials and warrants that the job site is in full compliance with all applicable laws and regulations.

SECTION 2

2.1 **Assignment.** Neither party to this Agreement shall transfer, sublet or assign any rights under or interest in this Agreement (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party. Subcontracting to subconsultants normally contemplated by the PROFESSIONAL shall not be considered an assignment for purposes of this Agreement.

2.2 **Governing Law & Jurisdiction.** The OWNER and the PROFESSIONAL agree that this Agreement and any legal actions concerning its validity, interpretation and performance shall be governed by the laws of the State of Michigan.

2.3 **Billing and Payment Terms.** *Payment Due:* invoices shall be submitted by the PROFESSIONAL (monthly) are due upon presentation and shall be considered past due if not paid within thirty (30) calendar days of the due date. *Interest:* If payment in full is not received by the PROFESSIONAL within thirty (30) calendar days of the due date, invoices shall bear interest at one-and one-half (1.5) percent of the PAST DUE amount per month, which shall be calculated from the invoice due date. Payment thereafter shall first be applied to accrued interest and then to the unpaid principal.

2.4 **Suspension of Services.** If the OWNER fails to make payments when due or otherwise is in breach of this Agreement, the PROFESSIONAL may suspend performance of service upon ten (10) calendar days' notice to the OWNER. The PROFESSIONAL shall have no liability whatsoever to the OWNER for any costs or damages as a result of such suspension caused by any breach of this Agreement by the OWNER. Upon payment in full by the OWNER the PROFESSIONAL shall resume services under this Agreement, and the time scheduled and compensation shall be equitably adjusted to compensate for the period of suspension plus any other reasonable time and expenses necessary for the PROFESSIONAL to resume performance. *Termination of Services:* If the OWNER fails to make payment to the PROFESSIONAL in accordance with the payment terms herein, this shall constitute a material breach of this Agreement and shall be cause for termination of this Agreement by the PROFESSIONAL. *Set-off, Backcharges, Discounts:* Payment of invoices shall not be subject to any discounts or set-off's by the OWNER unless agreed to in writing by the PROFESSIONAL. Payment to the PROFESSIONAL for services rendered and expenses incurred shall be due and payable regardless of any subsequent suspension or termination of this Agreement by either party.

2.5 **Collection of Costs.** In the event legal actions necessary to enforce the payment terms of this Agreement, the PROFESSIONAL shall be entitled to collect from the OWNER any judgement or settlement sums due, plus reasonable attorneys' fees, court costs and other expenses incurred by the PROFESSIONAL in connection therewith and, in addition, the reasonable value of the PROFESSIONAL's time and expenses spent in connection with such collection action, computed according to the PROFESSIONAL's prevailing fee schedule and expense policies.

2.6 **Delays.** The OWNER agrees that the PROFESSIONAL is not responsible for damages arising directly or indirectly from any delays for causes beyond the PROFESSIONAL's control. For purposes of this Agreement, such causes include, but are not limited to, strikes or other labor disputes; severe weather disruptions or other natural disasters; fires, riots, war or other emergencies or acts of God; failure of any government agency to act in timely manner; failure of performance by the OWNER or the OWNER's contractors or consultants; or discovery of any hazardous substances or differing site conditions.

In addition, if the delays resulting from any such causes increase the cost or time required by the PROFESSIONAL to perform its services in an orderly and efficient manner, the PROFESSIONAL shall be entitled to an equitable adjustment in schedule and/or compensation.

2.7 **Delivery and Use of Electronic Files.** In accepting and utilizing any drawings, reports and data on any form of electronic media generated and furnished by the PROFESSIONAL, the OWNER agrees that all such electronic files are instruments of service of the PROFESSIONAL, who shall be deemed the author, and shall retain all common law, statutory law and other rights, including copyrights.

The OWNER agrees not to reuse these electronic files, in whole or in part, for any purpose other than for the Project. The OWNER agrees not to transfer these electronic files to others without the prior written consent of the PROFESSIONAL. The OWNER further agrees to waive all claims against the PROFESSIONAL resulting in any way from any unauthorized changes to or reuse of the electronic files for any other project by anyone other than the PROFESSIONAL.

The OWNER and the PROFESSIONAL agree that any electronic files furnished by either party shall conform to the original specifications. Any changes to the original electronic specifications by either the OWNER or the PROFESSIONAL are subject to review and acceptance by the other party. Additional services by the PROFESSIONAL made necessary by changes to the electronic file specifications shall be compensated for as Additional Services.

Electronic files furnished by either party shall be subject to an acceptance period of fourteen (14) days during which the receiving party agrees to perform appropriate acceptance tests. The party furnishing the electronic file shall correct any discrepancies or errors detected and reported within the acceptance period. After the acceptance period, the electronic files shall be deemed to be accepted and neither party shall have any obligation to correct errors or maintain electronic files.

The OWNER is aware that differences may exist between the electronic files delivered and the printed hard-copy construction documents. In the event of a conflict between the signed construction documents prepared by the PROFESSIONAL and electronic files, the signed or sealed hard-copy construction documents shall govern.

In addition, the OWNER agrees, to the fullest extent permitted by law, to indemnify and hold harmless the PROFESSIONAL, its officers, directors, employees and subconsultants (collectively, Professional) against all damages, liabilities or costs, including reasonable attorneys' fees and defense costs, arising from any changes made by anyone other than the PROFESSIONAL or from any reuse of the electronic files without the prior written consent of the PROFESSIONAL.

Under no circumstances shall delivery of electronic files for use by the OWNER be deemed a sale by the PROFESSIONAL, and the PROFESSIONAL makes no warranties, either expressed or implied, or merchantability and fitness for any particular purpose. In no event shall the PROFESSIONAL be liable for indirect or consequential damages as a result of the OWNER's use or reuse of the electronic files.

2.8 **Opinions of Probable Construction Costs.** In providing opinions of probable construction cost, the OWNER understands that the PROFESSIONAL has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the PROFESSIONAL's opinions of probable construction costs are made on the basis of the PROFESSIONAL's judgement and experience. The PROFESSIONAL makes no warranty, express or implied that the bids or the negotiated cost of the Work will not vary from the PROFESSIONAL's opinion of probable construction costs.

SECTION 3

3.1 **Verification of Existing Conditions.** Inasmuch as the remodeling and/or rehabilitation of the existing structures requires that certain assumptions be made by the PROFESSIONAL regarding existing conditions, and because some of these assumptions may not be verifiable without the OWNER's expending substantial sums of money or destroying otherwise adequate or serviceable portions of the structure, the OWNER agrees to bear all costs, losses and expenses, including the cost of the PROFESSIONAL's Additional Services, arising from the discovery of concealed or unknown conditions in the existing structure.

3.2 **Construction Observation.** The PROFESSIONAL shall visit the site if authorized at intervals appropriate to the stage of construction, or as otherwise agreed to in writing by the OWNER and the PROFESSIONAL, in order to observe the progress and quality of the Work completed by the Contractor. Such visits and observation are not intended to be an exhaustive check or a detailed inspection of the Contractor's work but rather are to allow the PROFESSIONAL, as an experienced professional, to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.

Based on this general observation, the PROFESSIONAL shall keep the OWNER informed about the progress of the Work and shall endeavor to guard the OWNER against deficiencies in the work.

If the OWNER desires more extensive project observation or full-time project representation, the OWNER shall request that such services be provided by the PROFESSIONAL as Additional Services in accordance with the terms of this Agreement.

The PROFESSIONAL shall not supervise, direct or have control over the Contractor's work nor have any responsibility for the construction means, methods, techniques, sequences or procedures selected by the Contractor nor for the Contractor's safety precautions or programs in connection with the Work. These rights and responsibilities are solely those of the contractor in accordance with the Contract Documents.

The PROFESSIONAL shall not be responsible for any acts or omissions of the contractor, subcontractor, any entity performing any portions of the Work, or any agents or employees of any of them. The PROFESSIONAL does not guarantee the performance of the Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

3.3 **Jobsite Safety.** Neither the professional activities of the PROFESSIONAL, nor the presence of the PROFESSIONAL or its employees and subconsultants at a construction/project site, shall relieve the General Contractor of its obligations, duties and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending and coordinating the Work in accordance with the contract documents and any health or safety

precautions required by any regulatory agencies, the PROFESSIONAL and its personnel have no authority to exercise any control over any construction contractor or its employees in connection with their work or any health or safety programs or procedures. The OWNER agrees that the General Contractor shall be solely responsible for jobsite safety, and warrants that this intent shall be carried out in the OWNER's contract with the General Contractor. The OWNER also agrees that the OWNER, the PROFESSIONAL and the PROFESSIONAL's subconsultants shall be indemnified by the General Contractor and shall be made additional insureds under the General Contractor's policies of general liability insurance.

3.4 **Design Without Construction Administration.** Unless Authorized, it is understood and agreed that the PROFESSIONAL's Basic Services under this Agreement do not include project observation or review of the Contractor's performance or any other construction phase services, and that such services will be provided for by the OWNER. The OWNER assumes all responsibility for interpretation of the Contract Documents and for construction observation, and the OWNER waives any claims against the PROFESSIONAL that may be in any way connected thereto.

3.5 **Client Requested Substitutions.** Upon request by the OWNER, the PROFESSIONAL shall evaluate and make recommendations regarding substitutions of materials, products or equipment proposed by the OWNER's consultants or contractors. The PROFESSIONAL shall be compensated for these services, as well as any services required to modify and coordinate the construction documents prepared by the PROFESSIONAL with those of the PROFESSIONAL's subconsultants and the OWNER's consultants, as Additional Services. The PROFESSIONAL also shall be entitled to an adjustment in schedule caused by this additional effort.

3.6 **Record Drawings.** If authorized by the Agreement, upon completion of the Work, the PROFESSIONAL shall compile for and deliver to the OWNER a reproducible set of Record Documents based upon the marked-up record drawings, addenda, change orders and other data furnished by the Contractor. These Record documents will show significant changes made during construction. Because these Record Documents are based on unverified information provided by other parties, which the PROFESSIONAL shall assume will be reliable, the PROFESSIONAL cannot and does not warrant their accuracy.

3.7 **Certifications, Guarantees and Warranties.** The PROFESSIONAL shall not be required to sign any documents, no matter by whom requested, that would result in the PROFESSIONAL's having to certify, guarantee or warrant the existence of conditions whose existence the PROFESSIONAL cannot ascertain. The OWNER also agrees not to make resolution of any dispute with the PROFESSIONAL or payment of any amount due to the PROFESSIONAL in any way contingent upon the PROFESSIONAL's signing any such certification.

3.8 **Contingency Fund.** The OWNER and the PROFESSIONAL agree that certain increased cost and changes may be required because of possible omissions, ambiguities or inconsistencies in the drawings and specifications prepared by the PROFESSIONAL and, therefore, that the final construction cost of the Project may exceed the estimated construction cost. The OWNER agrees to set aside a reserve in the amount of 10 percent of the Project construction costs as a contingency to be used, as required, to pay for any such increased costs and changes. The OWNER further agrees to make no claim by way of direct or third-party action against the PROFESSIONAL or its subconsultants with respect to any increased costs within the contingency because of such changes or because of any claims made by the Contractor relating to such changes.

3.9 **Permits and Approvals.** The PROFESSIONAL shall assist the OWNER in applying for those permits and approvals normally required by law for projects similar to the one for which the PROFESSIONAL's services are being engaged. This assistance shall consist of completing and submitting forms to the appropriate regulatory agencies having jurisdiction over the construction documents, and other services normally provided by the PROFESSIONAL and included in the scope of Basic Services of this Agreement.

3.10 **Statutes of Repose and Limitation.** All legal causes of action between the parties to this Agreement shall accrue and any applicable statutes of repose or limitation shall begin to run no later than the date of Substantial Completion. If the act or failure to act complained of occurred after the date of Substantial Completion, then the date of final completion shall be used, but in no event shall any statute of repose or limitation begin to run any later than the date the PROFESSIONAL's services are completed or terminated.

3.11 **Construction Layout.** If requested by the Owner, or other authorized party, as detailed in the scope of services or as an Additional Service to this Agreement, the PROFESSIONAL shall provide construction layout stakes sufficient for construction purposes. The stakes will reflect pertinent information from the construction bidding and contract documents. The stakes shall be set in place one time by the PROFESSIONAL, staged and scheduled as requested by the Contractor. After the stakes are set, it shall be the Contractor's exclusive responsibility to protect the stakes from damage or removal. Once the stake is set, if the stake becomes unusable due to the Contractor's negligence it shall be reset by the PROFESSIONAL, only at the Contractor's direction. The cost for resetting the stakes shall be borne by the Contractor and shall be paid by the Owner or authorized representative of this Agreement to the PROFESSIONAL from monies due the Contractor from the construction contract. The Owner acknowledges and agrees that these staking requirements and the procedures and payments for restaking described in this section shall be stipulated in the General Conditions of the construction contract.

These General Conditions shall be attached to and made part of the Agreement between Spicer Group, Inc. (PROFESSIONAL) and the Owner.

Supervisor
BRENDA L. STUMBO
Clerk
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Treasurer
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JOHN NEWMAN II
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Charter Township of Ypsilanti

Civic Center
Supervisor's Office
7200 S. Huron River Drive
Ypsilanti, MI 48197
Phone: (734) 544-4000 ext. 6
Fax: (734) 484-0002
www.ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Brenda Stumbo, Township Supervisor

Date: September 13, 2022

RE: Requesting approval to fund Friends In Deed community mural project on 1196 Ecorse in the amount of $14,500 from 101-729-969.010

Friends In Deed sent a request to the Township for funding of their community mural project on Ecorse Road. This project aims to beautify the Ecorse Road corridor with this public art display for the community to enjoy.

Friends In Deed has provided an invoice from TreeTown Murals, who they have selected for this mural. The invoice is in the amount of $14,500. There is a line item in the budget "Community Investment" 101-729-969.010 that could be used for this purpose as stated in this narrative excerpt: "It could be used for public art in the corridor, wayfinding and community investment for businesses."

There is an available balance of $25,000 in this line item, enough to cover the invoice of $14,500 for the community mural project. Trustee Swanson and I attended the mural painting, where a lot of residents and volunteers helped to paint the mural on Saturday, September 10. Attached is a picture of the mural.

Thank you for your consideration of this contribution to community art.


friends in deed
COMMUNITY

friends in deed

August 17, 2022

Brenda Stumbo
Supervisor, Ypsilanti Township
Tilden R. Stumbo Civic Center
7200 S. Huron River Dr.
Ypsilanti, MI 48197

Dear Supervisor Stumbo,

It was nice seeing you again yesterday at the Friends In Deed office. It was my pleasure to help host your visit, give you a tour of our building and provide you more information on our organization's programs and services.

I am writing to give you an update our community mural project.

Again, on behalf of Friends In Deed, I'd like to thank you and the Ypsilanti Township Board for submitting a letter of support of our grant application to the Michigan Council of the Arts Cultural Affairs last fall. The grant would have provided funding for our community mural project. Unfortunately, our proposal was not selected, and we did not receive the MCACA grant.

However, we are still moving forward with our community mural project. In fact, we are planning three events to develop and celebrate the community mural that will be installed on our building.

1. An exhibit of the original vision boards that were created by community members to help design the mural. (Whittaker Branch, Ypsilanti District Library, September 1, 2022)
2. A "paint" day for community members to help paint the actual mural that will adorn our building. (September 10, 2022)
3. A community reveal party to celebrate the mural's installation and the establishment of the mural to be a community landmark. (September 23, 2022)

As we told your group, we are still searching for funding to support our mural project. We still need approximately $25,000. I would like to know if Ypsilanti Township can help with the cost of our community mural project. The project, as noted before, aligns perfectly with the Township's 2040 Master Plan's support for public art. The FID Community Mural Project contributes to the beautification of the Ecorse Road corridor as well as contributes to community cohesion and neighborhood vitality.

Please let me know if there is funding for public artwork at the Ypsilanti Township level. And if so, how should Friends In Deed apply for the funding. I can provide a breakdown of the costs at your request.

Thank you for your consideration.

Sincerely,
Bonita
Bonita Bingham
Circles Coach & Mural Project Co-Chair

CC: Jason Iacoangeli, Planning Director

TreeTown Murals ~ www.treetownmurals.com
treetownmurals@gmail.com
13070 Trist Rd
Grass Lake, Michigan
49240
United States

Billed To
Sarah Thornburg
Friends In Deed
1196 Ecorse Rd,
Ypsilanti, MI 48198

Date of Issue
07/28/2021

Due Date
10/31/2022

Invoice Number
0000368

Amount Due (USD)
$14,500.00

Description	Rate	Qty	Line Total
Mural Includes: Assistance with developing design workshops, overall custom design based on the workshops, all materials, panel install & prep, artist labor, to finish the mural. The mural dimensions are 5' tall X 38' long. Four @ 5' X 10' aluminum mural panels will be installed on the building.	$15,000.00	1	$15,000.00
Additional Design Time	$850.00	1	$850.00
Paint By Number Event Facilitation All day event facilitation with community members to help paint at the very beginning stages of the mural. TTM provides paints, brushes, drop cloths & aprons. 3-5 volunteers will be needed.	$2,500.00	1	$2,500.00
Mural Installation This amount includes all materials and contractor fees.	$1,150.00	1	$1,150.00

Subtotal	19,500.00
Tax	0.00
Total	19,500.00
Amount Paid	5,000.00
Amount Due (USD)	$14,500.00

Notes

This an invoice for services conducted by TreeTown Murals within the 2021-2022 calendar year. The services include all consultations, workshop development, & original mural design. Prices are subject to change if the scope of the project changes; examples include but are not limited to: design additions beyond the first full color draft, changes in the paint by number event, or installation details.

Terms

Please reach out if you have any questions. Email Mary at treetownmurals@gmail.com or call 734-846-4455

Checks can be made out to TreeTown Murals and mailed to the address on this invoice. 13070 Trist Rd, Grass Lake, MI 49240. If credit card is preferred, a 2.5% tax will be added.

FB: @brushmonkeyscollective / TreeTown Murals / Mary Thiefels
IG: @brushmonkeys / @treetownmurals / @danijelmatanic
Web: www.brushmonkeys.com / www.treetownmurals.com / www.danijelmatanic.com

Charter Township of Ypsilanti
RESOLUTION 2022-14

RESOLUTION AUTHORIZING THE WATER RESOURCES COMMISSIONER TO EXCEED THE STATUTORY SPENDING AND ASSESSMENT LIMIT OF FIVE THOUSAND DOLLARS ($5,000.00) PER YEAR FOR THE MAINTENANCE AND REPAIR OF THE SOUTH FORD LAKE DRAIN.

WHEREAS, the South Ford Lake Drain is a drain located in the municipality of Ypsilanti Charter Township, which drain was constructed in accordance with the Drain Code of 1956; and

WHEREAS, the Water Resources Commissioner is entrusted with the responsibility of ensuring proper maintenance and repairs are made to said drain; and

WHEREAS, the Water Resources Commissioner, pursuant to statute, has inspected the drain which inspection revealed that repair work is necessary inasmuch as said inspection identified the need to stabilize the outfall of the South Ford Lake Drain; and

WHEREAS, the Water Resources Commissioner of Washtenaw County has estimated that the repair of the drain will be approximately one hundred thousand dollars ($100,000.00); and

WHEREAS, pursuant to the Drain Code of 1956, the Water Resources Commissioner cannot exceed the statutory spending limit of five thousand dollars ($5,000.00) for the maintenance and repair of the drain unless approved by a resolution of the Township Board; and

WHEREAS, the Water Resources Commissioner has requested the Township Board to pass such resolution authoring the Office of the Water Resources Commissioner to exceed the statutory spending limit allowed on the South Ford Lake Drain, to wit: five thousand dollars ($5,000.00) per year, so as to allow repair of said drain.

NOW THEREFORE, BE IT RESOLVED, that the Ypsilanti Charter Township Board of Trustees for the municipality of Ypsilanti Charter Township hereby approves and authorizes the Office of the Water Resources Commissioner to exceed the statutory spending limit of five thousand dollars ($5,000.00) per year for the repair of the South Ford Lake Drain in the exceeded amount of ninety-five thousand dollars ($95,000.00).

Supervisor
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Charter Township of Ypsilanti

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Brenda Stumbo, Township Supervisor

Date: September 14, 2022

RE: Request to authorize the Water Resources Commissioner to exceed the statutory spending and assessment limit for the maintenance and repair of the South Ford Lake Drain

Attached is a resolution that would authorize the Office of the Water Resources Commissioner to exceed the statutory spending limit of $5,000 per year for the repair of the South Ford Lake Drain in the exceeded amount of $95,000. The Township would pay for 35% of this apportionment and the property owners would pay 65%. This repair is necessary to improve drainage into the lake.

cc: Javonna Neel, Accounting Director
McLain & Winters, Township Attorneys

CHARTER TOWNSHIP OF YPSILANTI
2022 BUDGET AMENDMENT #12

September 20, 2022

AMOUNTS ROUNDED UP TO THE NEAREST DOLLAR

101 - GENERAL OPERATIONS FUND

Total Increase $190,806.00

Request to increase the election due to a special election held in May ,which was not budgeted, resulting in a budget amendment request now. The Township was reimbursed $20,252 for the special school election. This will be funded by an increase in the election reimbursement revenue and an appropriation of prior year fund balance.

Revenues:	**Reimbursement Elections**	**101-000-676.006**	**$20,250.00**
	Prior Year Fund Balance	**101-000-699.999**	**$3,000.00**
		Net Revenues	**$23,250.00**
Expenditures:	**Appointed Officials**	**101-262-704.000**	**$15,000.00**
	Office Supplies	**101-262-727.000**	**$3,000.00**
	Programming Ballots	**101-262-801.200**	**$1,500.00**
	Equipment Rental/Leasing	**101-262-941.000**	**$3,750.00**
		Net Expenditures	**$23,250.00**

Request to increase the revenue line for a reimbursement coming in for work done on the Vietnam Veterans Memorial. The Vietnam Veterans of America 310 have a 99 year lease with the Township for the memorial property. There is a fund held and administered by the Ann Arbor Community Foundation-Ypsilanti Community Fund. Project work done on the Memorial by the Vietnam Veterans can be reimbursed to them through the fund. The Township has sent in the request for reimbursement. All invoices and cancelled checks for the project have been received. This is a pass through and will be funded by a reimbursement and paid out to the Vietnam Veterans of America 310.

Revenues:	**Reimburse - Vietnam Vet Memorial**	**101-000-676.015**	**$5,556.00**
		Net Revenues	**$5,556.00**
Expenditures:	**Professional Service**	**101-272-801.000**	**$5,556.00**
		Net Expenditures	**$5,556.00**

Request to transfer the funds received from the DTE escrow account on behalf of the Hydro Dam for 2021 and 2022. The amount received into the General fund for 2021 and 2022 was $81,000 each year. These funds are needed in the Hydro Station for major repairs. This will be funded by an appropriation from prior year fund balance.

Revenues:	**Prior Year Fund Balance**	**101-000-699.999**	**$162,000.00**
		Net Revenues	**$162,000.00**
Expenditures:	**Transfer to Hydro Station**	**101-999-995.252**	**$162,000.00**
		Net Expenditures	**$162,000.00**

CHARTER TOWNSHIP OF YPSILANTI
2022 BUDGET AMENDMENT #12

September 20, 2022

213 - BIKE, SIDEWALK, REC, ROADS FUND (BSRII) **Total Increase $54,000.00**

Request to increase budget for tennis and pickle ball court improvements at the Clubview Park. The Township has been awarded a grant in the amount of $147,500 with a match from the Township of the same amount. This project will begin in 2022 with engineering survey and design in the amount of 23K. This will be fund 50% by grant funds and 50% by an appropriation of prior year fund balance.

Revenues:	**ST Grant - DNR - Park Courts**	**213-000-569.026**	**$11,500.00**
	Prior Year Fund Balance	**213-000-699.999**	**$11,500.00**
		Net Revenues	**$23,000.00**
Expenditures:	**Clubview Park Improvements**	**213-901-974.026**	**$23,000.00**
		Net Expenditures	**$23,000.00**

Request to increase budget for tennis and pickle ball court improvements at the Community Center Park. The Township has been awarded a grant in the amount of $176,200 with a match from the Township of the same amount. This project will begin in 2022 with engineering survey and design in the amount of 27K. This will be fund 50% by grant funds and 50% by an appropriation of prior year fund balance.

Revenues:	**ST Grant - DNR - Park Courts**	**213-000-569.026**	**$13,500.00**
	Prior Year Fund Balance	**213-000-699.999**	**$13,500.00**
		Net Revenues	**$27,000.00**
Expenditures:	**Community Ctr - Park Improvements**	**213-901-975.520**	**$27,000.00**
		Net Expenditures	**$27,000.00**

Request to increase budget for the annual purchase of trees to be planted at our parks and properties. This is funded by a reserve account for tree replacement within the appropriated prior year fund balance.

Revenues:	**Prior Year Fund Balance**	**213-000-699.999**	**$4,000.00**
		Net Revenues	**$4,000.00**
Expenditures:	**Capital - Landscape and Trees**	**213-901-975.600**	**$4,000.00**
		Net Expenditures	**$4,000.00**

CHARTER TOWNSHIP OF YPSILANTI
2022 BUDGET AMENDMENT #12

September 20, 2022

236- 14B DISTRICT COURT FUND — Total Increase $3,691.00

Request to increase budget for PTO payouts of available hours to be paid at 75%. This will be funded by an appropriation for prior year fund balance.

Revenues:	**Prior Year Fund Balance**	**236-000-699.999**	**$3,691.00**
		Net Revenues	**$3,691.00**
Expenditures:	**Salaries Payout PTO**	**236-286-708.004**	**$3,429.00**
	FICA	**236-286-715.000**	**$262.00**
		Net Expenditures	**$3,691.00**

252 - HYDRO STATION FUND — Total Increase $0.00

Request to receive the funds from DTE that were deposited into the General Fund in 2021 and 2022. The amount received into the General fund for 2021 and 2022 was $81,000 each year. This transfer will reduce the funds needed from the prior year fund balance. This will be funded by the transfer from General Fund.

Revenues:	**Transfer In: From General Fund**	**252-000-699.101**	**$162,000.00**
		Net Revenues	**$162,000.00**
Revenues:	**Prior Year Fund Balance**	**252-000-699.999**	**($162,000.00)**
		Net Expenditures	**($162,000.00)**

Motion to Amend the 2022 Budget (#12)

Move to increase the General Fund budget by $190,806 to $11,159,105 and approve the department line item changes as outlined.

Move to increase the Bike, Sidewalk, Recreation and Road (BSRII) Fund budget by $54,000 to $2,798,107 and approve the department line item changes as outlined.

Move to increase the 14B District Court Department Fund budget by $3,691 to $1,832,018 and approve the department line item changes as outlined.

Move to do a line transfer for the Hydro Station Fund budget by net zero $0 and approve the department line item changes as outlined.

AUTHORIZATIONS AND BIDS

Supervisor
BRENDA L. STUMBO
Clerk
HEATHER JARRELL ROE
Treasurer
STAN ELDRIDGE
Trustees
DEBBIE SWANSON
JOHN P. NEWMAN II
GLORIA PETERSON
JIMMIE WILSON JR.

Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to bid Roof Safety Improvements at the Ypsilanti Township Community Center

The Residential Services Department is requesting authorization to bid roof safety improvements at the Ypsilanti Township Community Center.

In order to meet MIOSHA standards for fall protection, this project is of highest importance. The community center roof has multiple levels, some of which are pitched and others flat. This projects includes the installation of a permanent, stiffened walk-thru ladder and safety gate, rooftop platforms, safety rail and roof anchors.

Roof maintenance takes place at the Community Center often to access its 25 roof top units, attic spaces for light bulb changes and more.

This project will come back to the board with a staff recommendation to award the project to a bidder in the near future.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515

TREMCO
Roofing & Building Maintenance

Ypsilanti Charter Township 2025 E Clark Rd Safety Install

Scope of Work for Walkway and Ladder:

Fibergrate® will provide the following to be installed:

- (1) 38" x 120" knee braced platform. Platform will require steel roof penetrating column stubs provided by others. Platform is to be constructed from FRP structural shapes, 1 1/2" deep molded grating and 2-rail guardrail where required.
- (1) 36" x 72" rooftop platform. Platform will require steel roof penetrating column stubs provided by others. Platform is to be constructed from FRP structural shapes, 1 1/2" deep molded grating and 2-rail guardrail where required.
- (1) 8' tall channel stiffened ladder with walk-thru and safety gate will be provided to give access to 38" x 120" platform and rooftop platform.

NOTE

- No additional safety rail for fall protection is included and will be provided by others. Current platform and railing are to be removed and disposed of by the contractor.

Scope of Work for Anchor Points:

-Install 15 FallTech 1D Short Plate Perm. Roof Anchors in indicated locations that are provided by the customer.

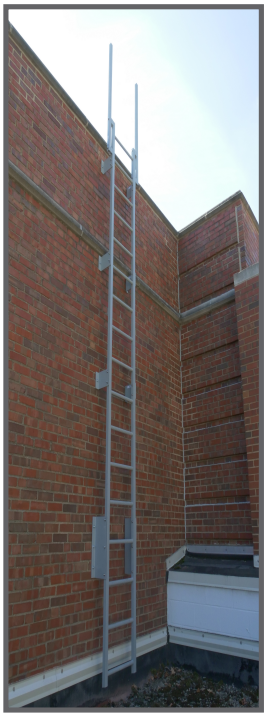
Fibergrate Safety and FallTech Installation:

$_____

Dynarail® FRP Safety Ladder

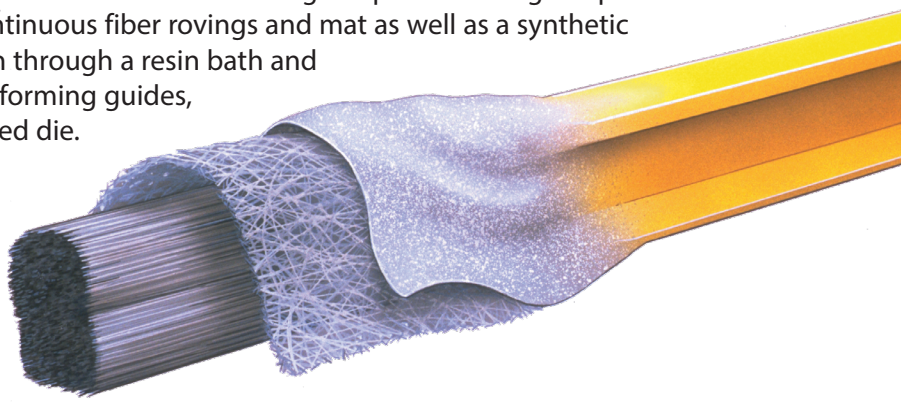
Fibergrate Composite Structures

AVAILABLE THROUGH TREMCO ROOFING & BUILDING MAINTENANCE



Combining corrosion resistance, long life and a low maintenance design, Dynarail® ladder systems are superior to conventional metallic systems. These advanced systems are designed and manufactured to be easily installed with no guesswork involved. Components are lightweight and easy to fabricate. Savings on labor and equipment often make the total installed cost of Dynarail ladders comparable to that of steel. Combining its low cost of installation with low maintenance and long life, Dynarail ladders offers a life cycle cost that is significantly lower than that of its counterparts.

Dynarail ladder components are manufactured using the proven Fibergrate pultrusion process. In this process, continuous fiber rovings and mat as well as a synthetic veil are mechanically drawn through a resin bath and shaped through a series of forming guides, then pulled through a heated die. All ladders used in outdoor applications also have a proprietary, secondarily applied UV Coating to ensure a long life even in the harshest UV environments.



Dynarail Ladder Benefits

Corrosion Resistant: Dynarail® fiberglass ladder systems are known for their ability to provide corrosion resistance in the harshest environments and chemical exposures.

Electrically & Thermally Non Conductive: Fiberglass is electrically non conductive for safety and has low thermal conductivity which results in a more comfortable product when physical contact occurs.

Low Install Cost: Due to ease of fabrication and lightweight, FRP ladders eliminate the need for heavy lifting equipment. Components are also labeled with tags that correspond to engineering drawings to ensure time-efficient and accurate installation.

Slip Resistant: Ladder rungs include heavily serrated flutes for positive, slip resistant footholds; also ungritted rungs are easy on the hands, while still ensuring safety.

Low Maintenance: The corrosion resistant properties of Fibergrate's FRP products reduce or eliminate the need for sandblasting, scraping and painting. Products are also easily cleaned with a high pressure washer.

UV Protection: UV inhibitors in the resin matrix, along with a synthetic surfacing veil, provide optimum protection from the effects of UV weathering. All ladders will include a secondary proprietary UV Coating for performance in intense UV exposure.

Specifications

Safety Ratings

Meets OSHA Requirements:
- 1926.1050
- 1926.1051
- 1926.1053
- 1926.23
- 1910.28(b)(1)
- 1910.29(b)

USA
- 1910.28(b) (9)

Canada
- 1910.27

ANSI
- A14.3-2008

Ontario Ministry of Labor
- Engineering Data Sheet 2-04

Ontario Occupational and Safety Act
- Reg 851 (18)

Resin Systems

ISOFR
- Isophthalic polyester resin formulation
- Low flame spread rating of 25 or less
- Designed for applications where there is moderate exposure to corrosive elements

VEFR
- Vinyl ester resin system with a flame spread of 25 or less for dependable resistance to both acidic and alkaline environments

Size

Available heights:
- 8′
- 10′
- 12′
- 14′
- 16′
- 18′
- 20′
- 24′

Dynarail® FRP Safety Ladder

The innovative Dynarail® fiberglass reinforced plastic (FRP) safety ladder and cage system meets or exceeds OSHA requirements. Dynarail cage components are shipped in compact kit form - not large, bulky units prone to damage.

Ladders are stocked in standard heights of 8', 10', 12', 14', 16', 18', 20' and 24' and are available in taller heights using splice kits. Ladders can be ordered in a LADDER ONLY format or as a KIT that includes the ladder as well as the appropriate number of wall mounts.

Safety features are built-in from the ground up. Special clip angles have been developed to securely anchor the ladder. Intermediate stand-off brackets laterally stabilize the ladder to the supporting structure on 6' centers. Ladder rungs include heavily serrated flutes for slip resistant footholds.

Technical Data *(Except where noted, all materials are yellow vinyl ester, fire retardant - VEFR)*

LADDER:

Maximum length without splice	24'-0"	Outside Diameter of rung	1-1/4"
Clear inside width (inside rail to rail)	18"	Inside Diameter of rung	3/4"
Outside width (outside rail to rail)	21-1/2"	Rail - outside width	1-3/4"
Rung Spacing (center to center)	12"	Rail - wall thickness	1/4"
		Weight per foot (approximately)	3.0 lbs.

Product	Description
Bottom Wall Mount Bracket Kit* (FG 448400 ISOFR Dk Gray) *Required when ladder cannot be floor mounted*	2-3/16" x 8" x 3/8" angle, 18" long Two per set *(with necessary bolt assemblies)*
Wall Mount Bracket Kit* (FG 448500 ISOFR Dk Gray)	2-3/16" x 8" x 3/8" angle, 6" long 7" from wall to center of rung Two per set *(with necessary bolt assemblies)*
Floor Mount Clip Kit* (FG448700 ISOFR Dk Gray)	4" x 4" x 3/8" angle, 2-3/4" long Two per set *(with necessary bolt assemblies)*
Ladder Rail Splice Kit (FG448600)	1-1/4" Square bar splice 1-3/4" x 1/4" Square tube rail
24" Wide Walk-thru Kit (FG448901.1 VEFR Yellow)	24" Walk thru post Walk thru spacer 1.5" x 1.5" End Cap

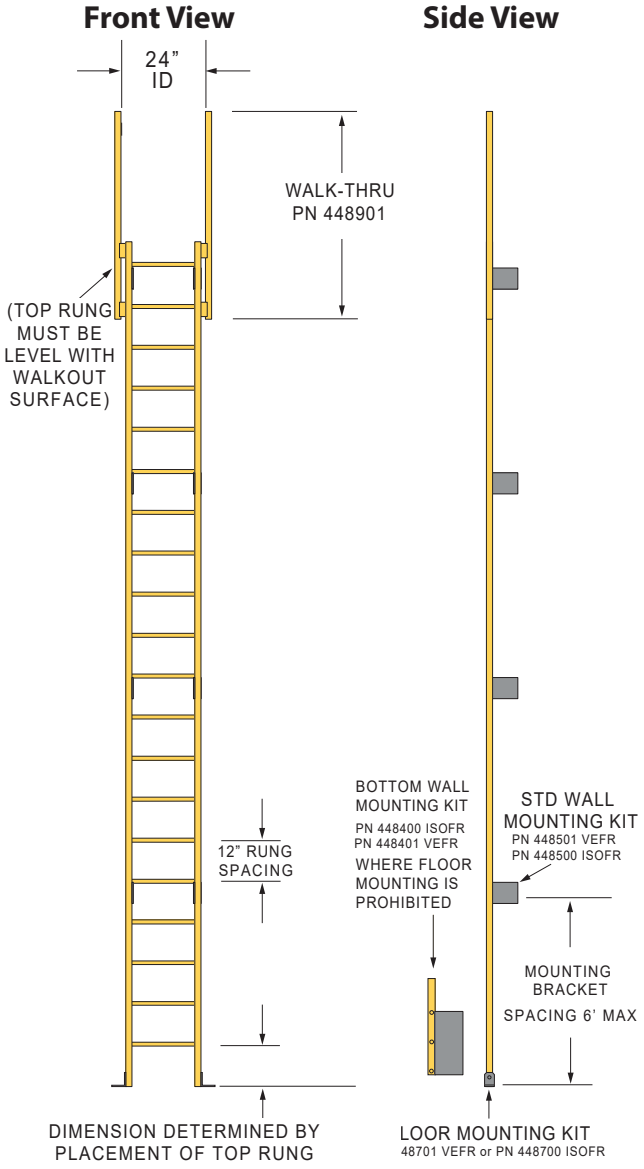
NOTE:** *Wall mount brackets and floor mount clips are predrilled with 9/16" diameter holes for 1/2" diameter anchor bolts only.* ***Anchor bolts not included.







Dynarail® Ladder System Data

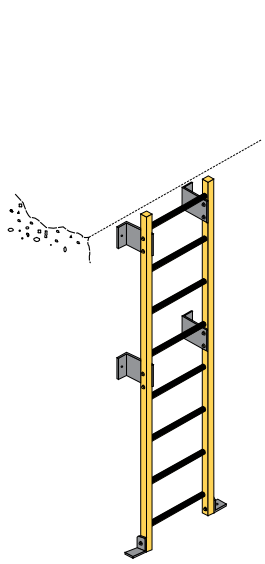


Component Selection Guide

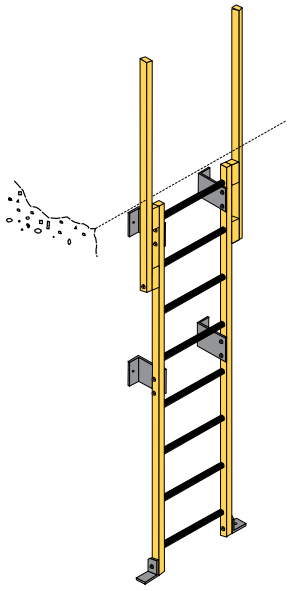
Ladder Mounting Accessories

Ladder Height *ISOFR-DK GRAY* *VEFR - BEIGE*	Floor Mount Kits Required PN 448700 ISOFR PN 448701 VEFR	Bottom Wall Mount Kits PN 448400 ISOFR PN 448401 VEFR	Wall Mount Kits Required PN 448500 ISOFR PN 448501 VEFR
0" to 6"	1	1	1
6' 6" to 12' 0"	1	1	2
12' 6" to 18' 0"	1	1	3
18' 6" to 24' 0"	1	1	4
24' 6" to 30' 0"	1	1	5
30' 6" to 36' 0"	1	1	6

Note: *Top rung step-off must be even with upper walking surface*

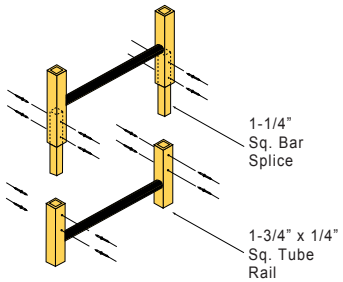


Ladder

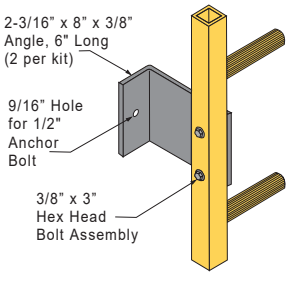


Ladder with 24" Walk-thru

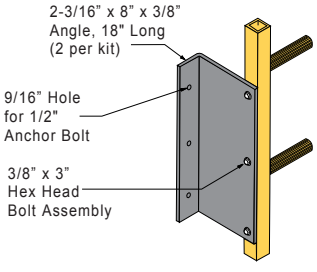
Assembly & Mounting Details



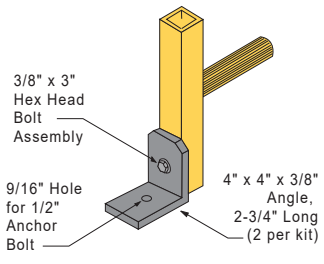
Ladder Splice Kit
PN 448600



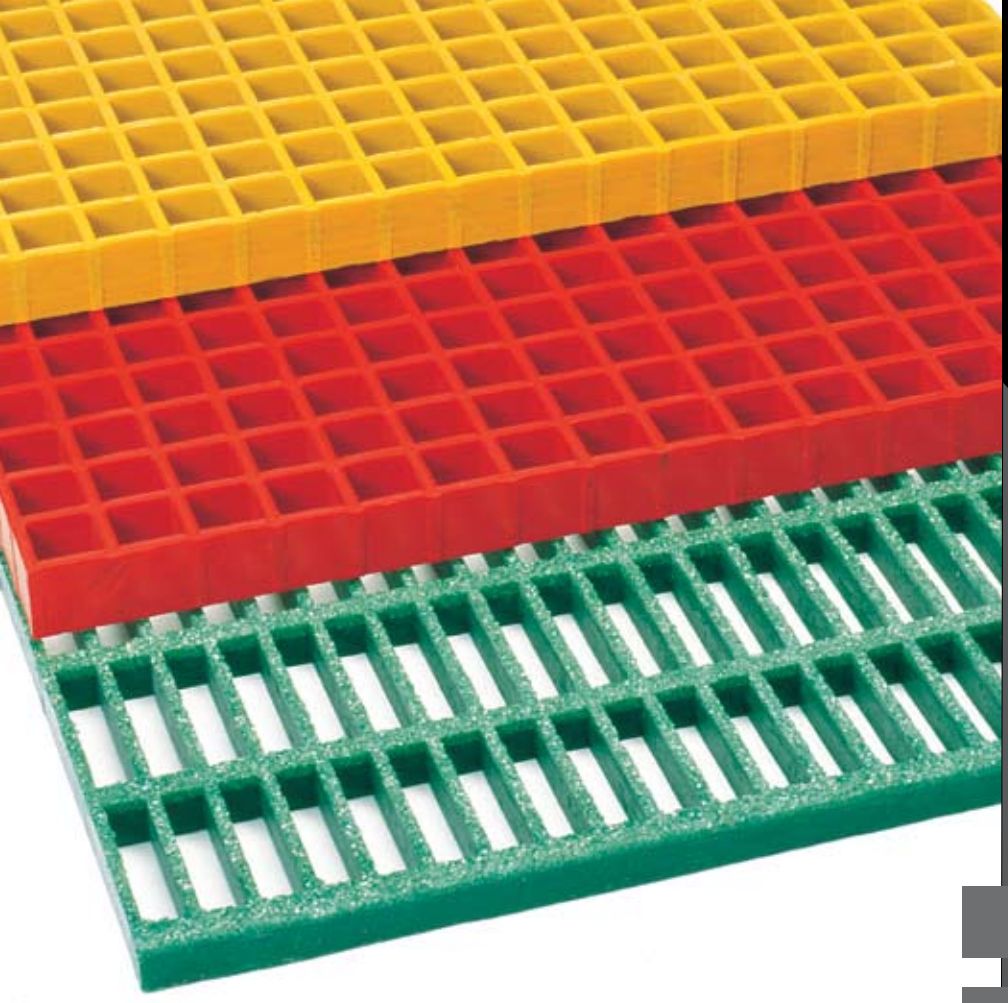
Standard Wall Mount Kit
PN 448501 VEFR BEIGE



Bottom Wall Mount Kit
PN 448401 VEFR BEIGE



Floor Mount Kit
PN 448701 VEFR BEIGE



Fiberglass Molded Products

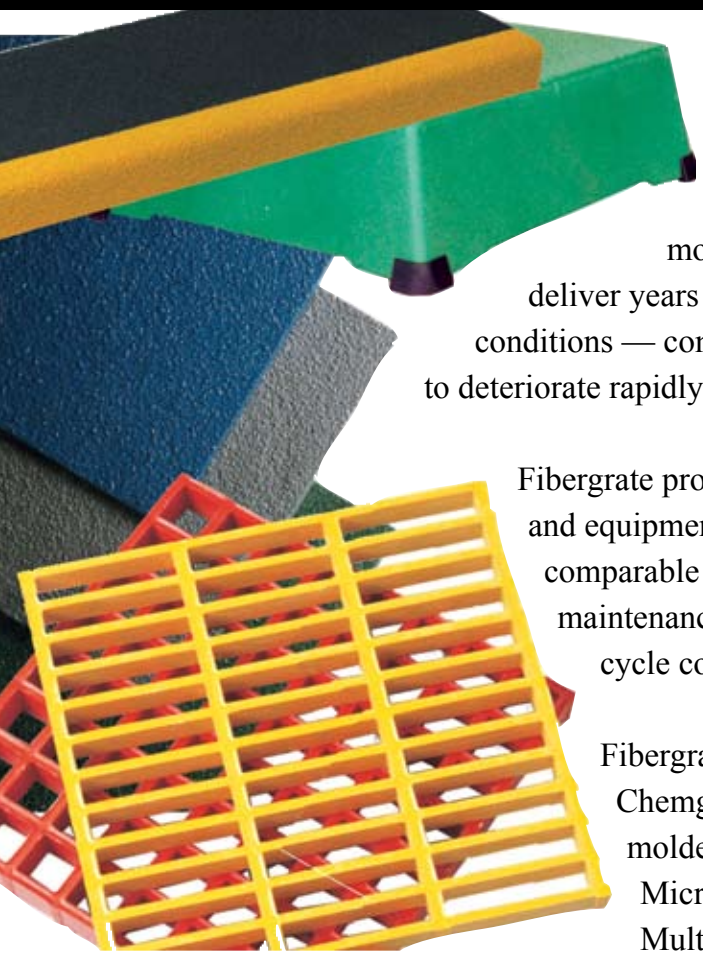
- *Corrosion Resistant*
- *Slip Resistant*
- *Low Maintenance*
- *Fire Retardant*
- *High Strength-to-Weight Ratio*
- *Nonconductive*
- *Impact Resistant*
- *Low Installation Cost*
- *Long Service Life*
- *Superior Ergonomics*

Fibergrate
Composite Structures

High Performance Composite Solutions

QUALITY CERTIFIED ISO 9001-2000 FACILITIES

Fiberglass Molded Products



Combining unmatched corrosion resistance with strength, long life and safety, Fibergrate sets the standard for fiberglass reinforced plastic (FRP) molded products. With more than ten custom resins, Fibergrate products are proven to deliver years of reliable service, even in the most demanding corrosive conditions — conditions which cause conventional metallic and wood products to deteriorate rapidly.

Fibergrate products are lightweight and easy to fabricate. Savings on labor and equipment often make the total installed cost of Fibergrate products comparable to that of steel. Combining these installation savings with low maintenance, long life and worker safety, Fibergrate products offer a life cycle cost that is significantly lower than that of metallic products.

Fibergrate's molded grating lines include Fibergrate® and Chemgrate® molded grating for most applications, Fibergrate® molded high load capacity grating for H-20 and forklift traffic, Micro-Mesh® access flooring, AirMesh® screening and Multigrid® grating. For applications requiring a solid walkway, Fibergrate carries Fiberplate® and Chemplate® structural floor panels as well as Chemdeck® and Fibergrate® covered grating. Stair solutions include Fibertred® and Chemtred® stair treads panels for industrial and commercial use, covered stair treads for architectural applications and stair tread covers for existing stairways. Ergonomic work platform solutions include Safe-T-Stands® which are available in varying heights and raised ergonomic workmats.

Fibergrate's complete line of molded products and turnkey services offers a variety of solutions for most applications.

Fibergrate Markets

- Architectural
- Bridge & Highway
- Chemical
- Commercial
- Food & Beverage
- Manufacturing
- Metals & Mining
- Microelectronics
- Oil & Gas
- Offshore
- Pharmaceutical
- Power
- Pulp & Paper
- Recreation
- Telecommunications
- Transportation
- Water & Wastewater



Fibergrate products are lightweight making them easy to handle and install

Fibergrate® Benefits



- **Corrosion Resistance** - the use of more than ten premium grade resin systems with a thoroughly wetted fiberglass process and a one-piece molded construction ensures solid structural integrity in tough environments
- **Slip Resistance** - a meniscus or permanent grit surface provides a safe, slip-resistant walking surface
- **Low Maintenance** - corrosion resistant and requires no scraping, sandblasting or painting
- **Fire Retardant** - flame spread rating of 25 or less, as tested in accordance with ASTM E-84; meets the self-extinguishing requirements of ASTM D-635
- **High Strength-to-Weight Ratio** - less than one-half the weight of steel grating allowing easy removal for access below floor level and installation with no heavy equipment and less manpower
- **Electrically and Thermally Nonconductive** - all-FRP construction provides additional worker safety
- **Impact Resistance** - can withstand major impacts with little structural damage and no failure
- **Easily Fabricated** - does not need heavy lifting equipment or expensive tools; can be easily carried by two workers; can be cut using standard circular or saber saws fitted with abrasive blades; has excellent utilization
- **Electronically Transparent** - does not affect electromagnetic or radio wave frequencies

FRP vs. Steel

$$\text{VALUE} = \frac{\text{PRICE}}{\text{SERVICE LIFE}}$$

When comparing the price of Fibergrate fiberglass reinforced plastic (FRP) products to comparable metal or other conventional products, there are several factors to consider.

One of the most important factors is the **safety cost**. Slips and falls are the second leading cause of industrial accidents and one of the leading causes of death. The slip-resistant surfaces of Fibergrate products can dramatically reduce accidental slips and falls. With each lost workday accident costing $50,000 to $100,000, Fibergrate could be the least expensive solution available.

The initial, or **first cost** is usually figured on a square-foot basis. Fibergrate FRP material costs are typically higher than metal products. Too often the product with the lowest price is selected, particularly in new construction projects, because it seems to be the most economical. Unfortunately, the cheapest product often ends up costing more than Fibergrate FRP due to high maintenance and replacements costs of corroded building materials. The National Association of Corrosion Engineers estimates that the economic losses due to corrosion in the U.S. amount to $300 billion a year. Replacing corroded, unsafe flooring is one of Fibergrate's biggest markets. In most cases, if Fibergrate FRP had been installed initially, very few problems would have occurred.

Another important factor is **installed cost**. Fibergrate FRP products are often less expensive than metallic products when installation costs are figured into the total price. Metal grating requires costly and time-consuming cutting and welding, and must be “end-banded.” Fibergrate FRP can easily be fabricated with hand tools. Molded grating construction requires no end-banding which saves time and money. Square mesh bearing bars run in both directions, maximizing utilization. Fibergrate FRP products weigh less than metal, making it easier to handle and less expensive to transport.

The most important factor is **total** or **life cycle** cost. In highly corrosive applications, metal products will often deteriorate in a few years or less. In the same installation, Fibergrate FRP products will last many times longer. Combined with safety cost savings, this often makes Fibergrate the lowest cost product available. These are the reasons so many companies have switched from conventional metallic products to Fibergrate FRP products.

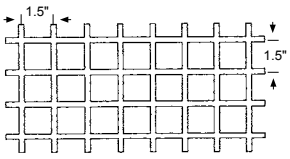
Molded Grating Selection and Details

Fibergrate® and Chemgrate® Molded Grating

Brand	Depth	Mesh	Standard Panel Sizes	Wt. Per Sq. Ft.	Open Area
AirMesh®	1/2"	1-1/2" x 1-1/2" square	4' x 8' *(non-load carrying product)*	0.8 lb	87%
Multigrid®	1/2"	2" x 2" square	4' x 12', 4' x 15' *(must be fully supported)*	1.0 lb	82%
Chemgrate	5/8"	1" x 4" rectangular	12' x 4'	2.1 lb	58%
Fibergrate	3/4"	1" x 4" rectangular	10' x 3', 8' x 4'	2.5 lb	69%
Fibergrate	3/4"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12'	2.0 lb	70%
Fibergrate	1"	1" x 4" rectangular	10' x 3', 8' x 4'	2.5 lb	69%
Fibergrate	1"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12'	2.5 lb	70%
Chemgrate	1"	1" x 4" rectangular standard	12' x 4', 12' x 3'-1/4"	2.7 lb	65%
Chemgrate	1"	1" x 4" rectangular heavy duty	12' x 4'	3.4 lb	52%
Chemgrate	1"	2" x 2" square	4' x 12'	1.7 lb	76%
Fibergrate	1-1/4"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12', 5' x 10'	3.2 lb	70%
Fibergrate	1-1/2"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12', 5' x 10'	3.7 lb	70%
High Load	1-1/2"	1" x 2" rectangular	6' x 4'	6.2 lb	48%
Micro-Mesh®	1-1/2"	Top 3/4" sq Btm 1-1/2" sq	2' x 2'	5.0 lb	44%
Chemgrate	1-1/2"	1-1/2" x 1-1/2" square	4' x 12'	3.5 lb	69%
Chemgrate	1-1/2"	1-1/2" x 6" rectangular	12' x 4'	3.4 lb	67%
Fibergrate	2"	2" x 2" square	4' x 12'	4.0 lb	72%
High Load	2"	1" x 2" rectangular	6' x 4'	8.4 lb	48%
Chemgrate	2"	2" x 2" square	4' x 12'	4.1 lb	72%

See page 7 for surface selection.

Fibergrate® Grating Details

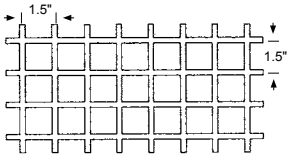


1" x 1-1/2" Square Mesh

# of Bars/Ft of Width
8

Load Bar Width	Open Area
1/4"	70%
Load Bar Centers	**Approx. Weight**
1-1/2"	2.5 psf

ENGINEERING PROPERTIES PER FT OF WIDTH
A = 1.71 IN² I = 0.14 IN⁴ S = 0.29 IN³ AVERAGE EI = 300,000 lb - in²

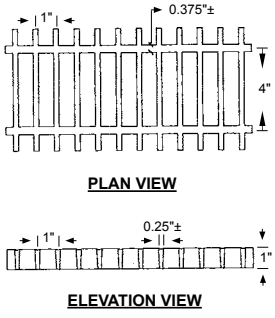


1-1/2" x 1-1/2" Square Mesh

#of Bars/Ft of Width
8

Load Bar Width	Open Area
1/4"	70%
Load Bar Centers	**Approx. Weight**
1-1/2"	3.75 psf

ENGINEERING PROPERTIES PER FT OF WIDTH
A = 2.85 IN² I = 0.51 IN⁴ S = 0.65 IN³ AVERAGE EI = 900,000 lb - in²

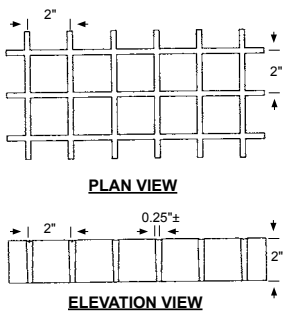


1" x 1" x 4" Rectangular Mesh

Load Bars Run Width Direction
# of Bars/Ft of Width
12

Load Bar Width	Open Area
1/4"	69%
Load Bar Centers	**Approx. Weight**
1"	2.5 psf

ENGINEERING PROPERTIES PER FT OF WIDTH
A = 2.57 IN² I = 0.22 IN⁴ S = 0.43 IN³ AVERAGE EI = 513,000 lb - in²



2" x 2" Square Mesh

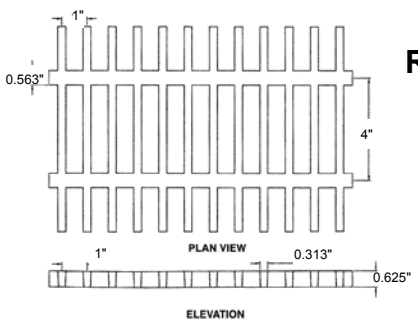
#of Bars/Ft of Width
6

Load Bar Width	Open Area
1/4"	72%
Load Bar Centers	**Approx. Weight**
2"	4.0 psf

ENGINEERING PROPERTIES PER FT OF WIDTH
A = 2.88 IN² I = 0.96 IN⁴ S = 0.94 IN³ AVERAGE EI = 1,950,000 lb - in²

Molded Grating Details

Chemgrate® Grating Details

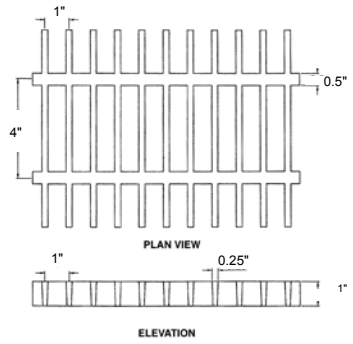


5/8" x 1" x 4" Rectangular Mesh

# of Bars/Ft of Width
12

Load Bar Width	Open Area
5/16"	58%

Load Bar Centers	Approx. Weight
1"	1.8 psf

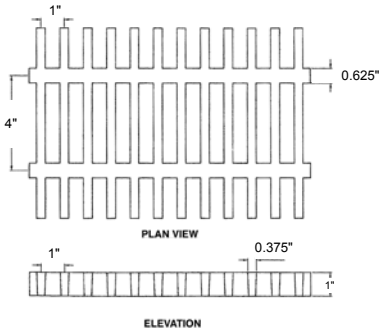


1" x 1" x 4" Standard

# of Bars/Ft of Width
12

Load Bar Width	Open Area
1/4"	65%

Load Bar Centers	Approx. Weight
1"	2.6 psf

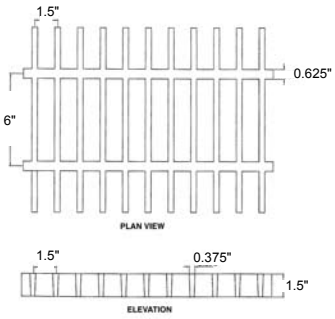


1" x 1" x 4" Heavy Duty

# of Bars/Ft of Width
12

Load Bar Width	Open Area
3/8"	52%

Load Bar Centers	Approx. Weight
1"	3.4 psf

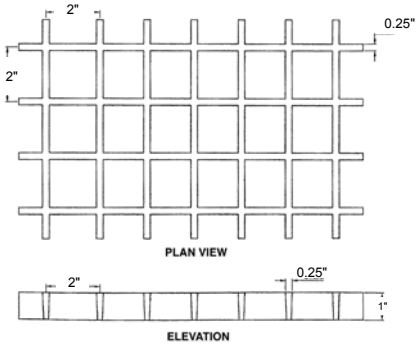


1-1/2" x 1-1/2" x 6" Rectangular Mesh

# of Bars/Ft of Width
8

Load Bar Width	Open Area
3/8"	67%

Load Bar Centers	Approx. Weight
1 1/2"	3.4 psf

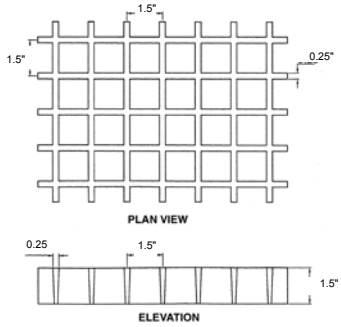


1" x 2" Square Mesh

# of Bars/Ft of Width
6

Load Bar Width	Open Area
1/4"	76%

Load Bar Centers	Approx. Weight
2"	1.7 psf

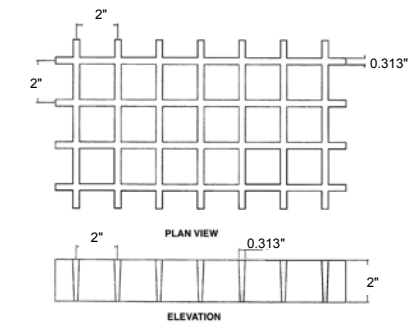


1-1/2" x 1-1/2" Square Mesh

# of Bars/Ft of Width
8

Load Bar Width	Open Area
1/4"	69%

Load Bar Centers	Approx. Weight
1 1/2"	3.5 psf



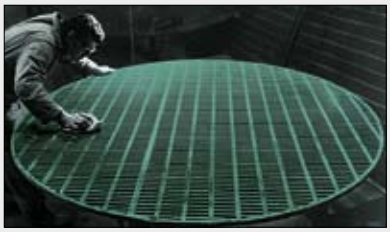
2" x 2" Square Mesh

# of Bars/Ft of Width
6

Load Bar Width	Open Area
5/16"	72%

Load Bar Centers	Approx. Weight
2"	4.1 psf

Specialty Chemgrate Meshes



Special meshes are available to meet specific industry or customer needs. Features include thoroughly wetted glass reinforcement for maximum corrosion resistance and molded interwoven construction. If a special mesh pattern is in your plans, we will be pleased to work with you to design and manufacture it to meet your exact specifications.

Molded Grating Resins

Resin Systems

Corrosion in the workplace negatively impacts your bottom line. Each year, industrial plant executives eliminate expensive corrosion-related maintenance problems by switching to Fibergrate molded grating. Various applications present different requirements so Fibergrate has more than ten standard resin systems (the most in the industry) including the new FGI-AM (food grade isophthalic polyester antimicrobial) available in both Fibergrate and Chemgrate Resins.

Fibergrate® Resins

• **Vi-Corr®** - A superior vinyl ester resin developed for reliable performance in the toughest environments. It offers outstanding resistance to a wide range of highly corrosive situations, ranging from caustic to acidic. In fact, no other resin system can match Vi-Corr's performance in highly acidic environments. **Color:** orange or dark gray. **Flame spread:** ASTM E84 rating of 25 or less. **Certifications:** UL Classification available; DNV Type Approval No. F-16856; USCG Accepted; ABS Type Approval No. 01-HS34733-X).

• **IFR** - This isophthalic polyester fire-retardant resin formulation is designed for industrial and chemical processing applications where corrosion resistance is important. **Color:** green or dark gray. **Flame Spread:** ASTM E84 rating of 25 or less. **Certifications:** UL Classification available.

New! New! New!

• **FGI-AM*** - This improved food-grade isophthalic polyester resin system offers antimicrobial properties to inhibit the growth of mold on the surface of the composite to protect the product itself along with the necessary corrosion resistance to meet the requirements of the food and beverage industry. **Color:** light gray. **Flame Spread:** ASTM E84 rating of 25 or less. **Certifications:** USDA accepted.

• **CORVEX®** - An economy polyester grating, Corvex outperforms a number of competitive fiberglass and metal products and meets the requirements for corrosion resistance found in light industrial and water/wastewater applications. **Color**: yellow, dark gray or dark green. **Flame Spread**: ASTM E84 rating of 25 or less. **Certifications:** DNV Type Approval No. F-16856.

• **XFR** - This extra fire-retardant vinyl ester resin is recommended for use where the fire potential is high. **Color:** dark gray. **Flame Spread:** ASTM E84 rating of 10 or less, a level exceeded by no other resin system. **Certifications:** DNV Type Approval No. F-16856.

• **ELS** - This Extremely Low Smoke resin is an acrylic-modified polyester system that is ideal for tunnel, offshore, mass transit and other confined space applications. ELS exhibits low ignitability, low smoke generation and extremely low smoke toxicity. **Color:** light gray. **Flame Spread:** ASTM E84 rating of 25, a smoke density index of 100 and Fuel Contribution of 0. **Certifications:** DNV Type Approval No. F-16856.

• **Super Vi-Corr®** - This family of resin systems consists of more than 30 custom formulas engineered to provide corrosion control solutions in applications that are too severe for conventional FRP and other building materials. Each Super Vi-Corr resin was engineered for the best possible performance in specific chemical and/or elevated temperature environments. These systems exist for aggressive chemical service in reagents like solvents, acidic oxidizers, chlorine dioxide, sodium hypochlorite and liquid desiccants. Certain formulas are also suited for elevated temperature applications up to 400° F. Super Vi-Corr gratings are typically used for packing hold-downs and support in environmental and process scrubber applications. **Color**: natural - tan to beige. **Flame Spread**: non fire retardant, unless specified.

Chemgrate® Resins

• **FS-25** - This food-grade polyester resin system is designed for applications where there is moderate exposure to corrosive elements. **Color:** light gray, yellow and green. **Flame Spread:** ASTM E84 rating of 25 or less. **Certifications:** USDA accepted.

New! New! New!

• **FGI-AM*** - This improved food-grade isophthalic polyester resin system offers antimicrobial properties to inhibit the growth of mold on the surface of the composite to protect the product itself along with the necessary corrosion resistance to meet the requirements of the food and beverage industry. **Color:** light gray. **Flame Spread:** ASTM E84 rating of 25 or less. **Certifications:** USDA accepted.

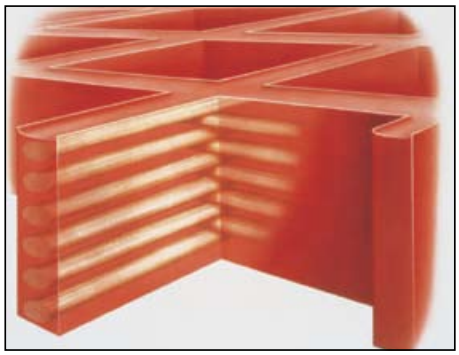
• **CP-84** - A chemical-grade premium polyester resin, CP-84 offers excellent corrosion resistance in highly acidic conditions. **Color:** green. **Flame Spread:** non fire retardant. **Certifications:** USDA accepted.

• **VE-25** - A premium vinyl ester resin system formulated to resist highly corrosive acids and caustics found in the harshest chemical environments. It is an economical alternative to exotic materials often specified for highly corrosive conditions. **Color:** orange or dark gray. **Flame spread:** ASTM E84 rating of 25 or less. VE-25 will maintain structural integrity at elevated temperatures of up to 180ºF.

**** This product is intended only for non-public health uses.***

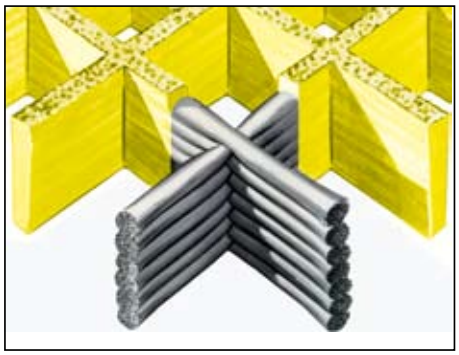
Slip-resistant Surfaces

Slips and falls are the second leading cause of industrial accidents. According to the National Safety Council, each injury related lost work day can cost $50,000 to $100,000. That is why Fibergrate developed three slip-resistant surfaces for flooring and stair solutions. These surfaces include meniscus and applied grit tops in the Fibergrate resins and integral grit in the Chemgrate resins.



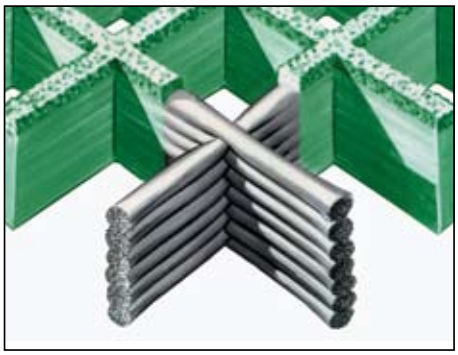
Meniscus Top

The concave surface of Fibergrate's standard meniscus top provides superior slip-resistant footing in most environments including wet or oily conditions.



Applied Grit Top

Fibergrate's optional grit top grating has a quartz grit which is secondarily applied, cured and sealed onto the surface providing excellent slip-resistant footing.



Integral Grit Top

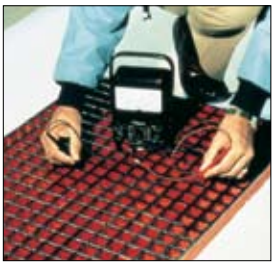
Chemgrate's standard slip-resistant surface is a fully sealed integral quartz grit surface applied during the molding operation.

Available Surfaces For Molded Grating

	STANDARD RESIN SYSTEMS									
Surface	**CP-84**	**Corvex®**	**ELS**	**FGI-AM®**	**FS-25**	**IFR**	**VE-25**	**Vi-Corr®**	**Super Vi-Corr®**	**XFR**
Meniscus	N/A	S	S	S	O	S	O	S	S	S
Applied Grit	O	O	O	O	O	O	O	O	O	O
Integral Grit	S	N/A	N/A	N/A	S	N/A	S	N/A	N/A	N/A

S = Standard O = Optional N/A= Not Available

FRP Conductive Surface

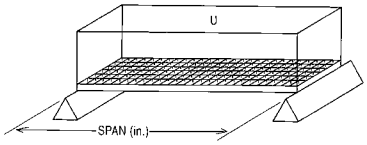


Fibergrate can provide a secondarily applied conductive surface which drains off the build-up of unwanted, dangerous static electricity when properly grounded. This specialized surface produces an electrical resistance of less than 26 kilo-ohms per foot, while the grating retains all of the other desirable corrosion-resistant, fire-retardant, impact-resistant and lightweight characteristics of conventional fiberglass reinforced plastic (FRP) grating.

Fibergrate HF Molded Grating

Fibergrate has combined a premium-grade vinyl ester resin and exotic reinforcements to manufacture the only molded grating system suitable for service in harsh hydrofluoric acid applications. HF Molded Grating, a non-fire retardant system, can see service in applications that would cause premature failure in most traditional molded grating systems.

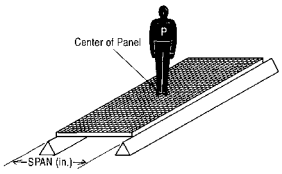
Load Tables - Fibergrate® Molded Gratings



MOLDED GRATING UNIFORM LOAD TABLES - DEFLECTIONS IN INCHES												MAX RECOM. LOAD (psf)			ULTIMATE CAPACITY (psf)
CLEAR SPAN	STYLE		LOAD (psf)									RESIN SYSTEM			
	DEPTH	MESH										CORVEX®	IFR	Vi-Corr® Super Vi-Corr®	
(in)	(in)	(in x in)	50	65	100	150	200	300	500	1000	2000	ELS	FGI	XFR	
12	1	1x4	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.05	0.09	2360	2360	4620	10150
	1	1-1/2x1-1/2	<.01	<.01	<.01	<.01	0.01	0.02	0.04	0.08	0.16	1580	1580	3080	6770
	1-1/2	1-1/2x1-1/2	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	0.07	2060	2830	7700	10420
	2	2x2	<.01	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	2500	6260	6260	9620
	3/4	1x4	<.01	<.01	0.01	0.01	0.02	0.02	0.04	0.08	0.15	1350	2030	2030	8130
	3/4	1-1/2x1-1/2	<.01	<.01	0.01	0.02	0.02	0.04	0.06	0.12	--	1000	1500	1500	6000
	1-1/4	1-1/2x1-1/2	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	--	1110	1660	1660	6660
18	1	1x4	0.01	0.01	0.02	0.03	0.04	0.07	0.11	0.22	0.44	1050	1050	2050	4750
	1	1-1/2x1-1/2	0.02	0.02	0.04	0.06	0.08	0.11	0.20	0.38	--	700	700	1370	3170
	1-1/2	1-1/2x1-1/2	<.01	<.01	0.01	0.02	0.03	0.04	0.07	0.14	0.28	910	1250	3420	6940
	2	2x2	<.01	<.01	0.01	0.01	0.02	0.03	0.04	0.09	0.17	1110	2780	2780	6410
	3/4	1x4	0.02	0.02	0.04	0.06	0.08	0.11	0.19	--	--	600	900	900	3610
	3/4	1-1/2x1-1/2	0.03	0.04	0.06	0.09	0.12	0.18	0.30	--	--	440	660	660	2660
	1-1/4	1-1/2x1-1/2	0.01	0.01	0.02	0.03	0.04	0.06	0.09	0.19	--	740	1110	1110	4440
24	1	1x4	0.04	0.05	0.07	0.11	0.15	0.22	0.37	--	--	590	590	1150	2670
	1	1-1/2x1-1/2	0.06	0.08	0.12	0.19	0.25	0.37	--	--	--	390	390	770	1780
	1-1/2	1-1/2x1-1/2	0.02	0.03	0.04	0.06	0.06	0.12	0.21	0.42	--	510	700	1920	4000
	2	2x2	0.01	0.01	0.02	0.03	0.04	0.06	0.10	0.20	--	620	1560	1560	4810
	3/4	1x4	0.06	0.08	0.12	0.18	0.24	0.36	--	--	--	330	500	500	2030
	3/4	1-1/2x1-1/2	0.09	0.12	0.18	0.28	0.37	--	--	--	--	250	370	370	1500
	1-1/4	1-1/2x1-1/2	0.03	0.04	0.06	0.09	0.11	0.17	0.29	--	--	440	660	660	2660
30	1	1x4	0.08	0.11	0.17	0.26	0.34	--	--	--	--	370	370	740	1710
	1	1-1/2x1-1/2	0.14	0.18	0.27	0.41	--	--	--	--	--	250	250	490	1140
	1-1/2	1-1/2x1-1/2	0.05	0.06	0.09	0.14	0.18	0.27	0.46	--	--	330	450	1230	2560
	2	2x2	0.02	0.03	0.05	0.07	0.09	0.14	0.23	0.45	--	400	1000	1000	3340
	3/4	1x4	0.13	0.17	0.26	0.40	--	--	--	--	--	210	320	320	1300
	3/4	1-1/2x1-1/2	0.17	0.23	0.35	--	--	--	--	--	--	160	240	240	960
	1-1/4	1-1/2x1-1/2	0.08	0.10	0.15	0.23	0.30	0.46	--	--	--	280	420	420	1700
36	1	1x4	0.16	0.21	0.32	0.49	--	--	--	--	--	260	260	510	1180
	1	1-1/2x1-1/2	0.31	0.40	--	--	--	--	--	--	--	170	170	340	790
	1-1/2	1-1/2x1-1/2	0.10	0.13	0.20	0.30	0.40	--	--	--	--	230	310	850	1770
	2	2x2	0.04	0.06	0.09	0.13	0.18	0.26	0.44	--	--	270	690	690	2320
	3/4	1x4	0.25	0.33	0.50	--	--	--	--	--	--	150	220	220	900
	3/4	1-1/2x1-1/2	0.39	--	--	--	--	--	--	--	--	110	160	160	660
	1-1/4	1-1/2x1-1/2	0.14	0.18	0.28	0.42	--	--	--	--	--	190	290	290	1180
42	1	1x4	0.33	0.43	--	--	--	--	--	--	--	190	190	370	870
	1	1-1/2x1-1/2	0.49	--	--	--	--	--	--	--	--	120	120	250	580
	1-1/2	1-1/2x1-1/2	0.17	0.22	0.34	--	--	--	--	--	--	160	230	620	1300
	2	2x2	0.08	0.10	0.16	0.24	0.32	0.47	--	--	--	200	510	510	1700
	1-1/4	1-1/2x1-1/2	0.26	0.34	--	--	--	--	--	--	--	140	210	210	870
46	1	1x4	0.48	--	--	--	--	--	--	--	--	160	160	310	720
	1-1/4	1-1/2x1-1/2	0.37	0.49	--	--	--	--	--	--	--	120	180	180	720
48	1-1/2	1-1/2x1-1/2	0.28	0.37	--	--	--	--	--	--	--	120	170	480	1000
	2	2x2	0.14	0.18	0.28	0.42	--	--	--	--	--	150	390	390	1300
54	1-1/2	1-1/2x1-1/2	0.42	--	--	--	--	--	--	--	--	100	140	380	790
	2	2x2	0.21	0.27	0.42	--	--	--	--	--	--	120	300	300	1030
60	2	2x2	0.37	0.47	--	--	--	--	--	--	--	100	250	250	830

NOTE:
All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

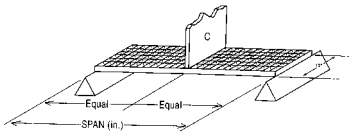
Load Tables - Fibergrate® Molded Gratings



MOLDED GRATING CONCENTRATED POINT LOAD TABLES - Deflections in Inches									
CLEAR SPAN (in)	STYLE		LOAD (lb)						
	DEPTH (in)	MESH (in x in)	50	100	200	300	500	1000	2000
18	1	1 x 4	<.01	0.01	0.02	0.03	0.06	0.11	0.22
	1	1-1/2 x 1-1/2	<.01	0.01	0.03	0.04	0.07	0.14	0.27
	1-1/2	1-1/2 x 1-1/2	<.01	<.01	0.01	0.02	0.03	0.06	0.13
	2	2 x 2	<.01	<.01	0.01	0.02	0.03	0.05	0.10
24	1	1 x 4	0.01	0.02	0.05	0.07	0.12	0.24	0.49
	1	1-1/2 x 1-1/2	0.01	0.03	0.05	0.08	0.13	0.26	--
	1-1/2	1-1/2 x 1-1/2	<.01	0.01	0.02	0.03	0.06	0.12	0.23
	2	2 x 2	<.01	<.01	0.01	0.02	0.04	0.07	0.14
	1-1/4	1-1/2 x 1-1/2	<.01	0.01	0.03	0.04	0.07	--	--
30	1	1 x 4	0.02	0.05	0.09	0.14	0.23	0.45	--
	1	1-1/2 x 1-1/2	0.03	0.05	0.10	0.15	0.26	--	--
	1-1/2	1-1/2 x 1-1/2	0.01	0.02	0.04	0.06	0.10	0.20	--
	2	2 x 2	<.01	0.01	0.02	0.03	0.06	0.12	0.23
	1-1/4	1-1/2 x 1-1/2	0.01	.03	0.05	0.08	0.13	--	--
36	1	1 x 4	0.04	0.07	0.14	0.21	0.35	--	--
	1	1-1/2 x 1-1/2	0.03	0.07	0.14	0.20	0.34	--	--
	1-1/2	1-1/2 x 1-1/2	0.02	0.03	0.06	0.09	0.15	0.30	--
	2	2 x 2	<.01	0.01	0.03	0.04	0.07	0.15	0.29
	1-1/4	1-1/2 x 1-1/2	0.02	0.03	0.07	0.10	0.16	--	--
42	1	1 x 4	0.05	0.11	0.21	0.32	--	--	--
	1	1-1/2 x 1-1/2	0.06	0.12	0.23	0.35	--	--	--
	1-1/2	1-1/2 x 1-1/2	0.02	0.04	0.09	0.13	0.22	0.44	--
	2	2 x 2	0.01	0.02	0.05	0.08	0.12	0.25	0.50
	1-1/4	1-1/2 x 1-1/2	0.03	0.06	0.11	0.17	0.28	--	--
46	1	1 x 4	0.07	0.13	0.26	0.39	--	--	--
	1	1-1/2 x 1-1/2	0.07	0.14	0.28	0.42	--	--	--
	1-1/4	1-1/2 x 1-1/2	0.04	0.07	0.15	0.22	0.37	--	--
48	1-1/2	1-1/2 x 1-1/2	0.03	0.06	0.12	0.18	0.29	--	--
	2	2 x 2	0.01	0.03	0.06	0.09	0.15	0.30	--
54	1-1/2	1-1/2 x 1-1/2	0.04	0.07	0.15	0.22	0.37	--	--
58	1-1/2	1-1/2 x 1-1/2	0.04	0.08	0.17	0.25	0.42	--	--

NOTE:
All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

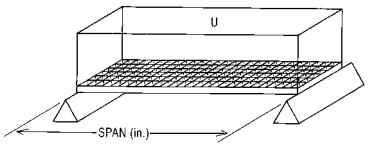
Load Tables - Fibergrate® Molded Gratings



MOLDED GRATING CONCENTRATED LINE LOAD TABLES - DEFLECTIONS IN INCHES										MAX RECOMMENDED LOAD (psf)			ULTIMATE CAPACITY (psf)
CLEAR SPAN	STYLE		LOAD (lb/ft of width)							RESIN SYSTEM			
	DEPTH	MESH								CORVEX®	IFR	Vi-Corr® Super Vi-Corr®	
(in)	(in)	(in x in)	50	100	200	300	500	1000	2000	ELS	FGI	XFR	
12	1	1x4	<.01	0.01	0.02	0.02	0.04	0.08	--	1180	1180	2310	5350
	1	1-1/2x1-1/2	<.01	0.01	0.03	0.04	0.06	0.13	--	790	790	1540	3560
	1-1/2	1-1/2x1-1/2	<.01	<.01	0.01	0.02	0.03	0.05	0.11	1030	1410	3850	8000
	2	2x2	<.01	<.01	<.01	0.01	0.02	0.03	0.06	1250	3130	3130	9620
	3/4	1x4	<.01	0.01	0.02	0.04	0.06	0.12	--	670	1010	1010	4060
	3/4	1-1/2x1-1/2	0.01	0.02	0.04	0.06	0.10	--	--	500	750	750	3000
	1-1/4	1-1/2x1-1/2	<.01	<.01	0.01	0.02	0.03	0.06	--	1110	1660	1660	6660
18	1	1x4	0.01	0.02	0.05	0.07	0.12	0.23	--	780	780	1540	3560
	1	1-1/2x1-1/2	0.02	0.04	0.08	0.12	0.20	0.41	--	520	520	1020	2370
	1-1/2	1-1/2x1-1/2	0.01	0.02	0.03	0.05	0.08	0.15	0.30	880	940	2560	5330
	2	2x2	<.01	0.01	0.02	0.03	0.05	0.09	0.18	830	2080	2080	6960
	3/4	1x4	0.02	0.04	0.08	0.12	0.20	--	--	450	670	670	2710
	3/4	1-1/2x1-1/2	0.03	0.06	0.13	0.19	0.32	--	--	330	500	500	2000
	1-1/4	1-1/2x1-1/2	0.01	0.02	0.04	0.06	0.10	--	--	540	810	810	3240
24	1	1x4	0.03	0.06	0.12	0.18	0.30	--	--	590	590	1150	2670
	1	1-1/2x1-1/2	0.05	0.10	0.20	0.30	0.49	--	--	390	390	770	1780
	1-1/2	1-1/2x1-1/2	0.02	0.03	0.07	0.10	0.17	0.33	--	510	700	1920	4000
	2	2x2	0.01	0.02	0.03	0.05	0.08	0.16	--	620	1560	1560	5220
	3/4	1x4	0.05	0.09	0.19	0.28	0.47	--	--	330	500	500	2030
	3/4	1-1/2x1-1/2	0.07	0.15	0.30	0.44	--	--	--	250	370	370	1500
	1-1/4	1-1/2x1-1/2	0.02	0.05	0.09	0.14	0.23	--	--	460	690	690	2760
30	1	1x4	0.05	0.11	0.22	0.32	--	--	--	470	470	920	2140
	1	1-1/2x1-1/2	0.09	0.18	0.35	--	--	--	--	310	310	610	1420
	1-1/2	1-1/2x1-1/2	0.03	0.06	0.12	0.18	0.29	--	--	410	560	1540	3200
	2	2x2	0.01	0.03	0.06	0.09	0.14	0.29	--	500	1250	1250	4180
	3/4	1x4	0.08	0.17	0.34	--	--	--	--	270	400	400	1620
	3/4	1-1/2x1-1/2	0.11	0.22	0.45	--	--	--	--	200	300	300	1200
	1-1/4	1-1/2x1-1/2	0.05	0.10	0.19	0.29	0.49	--	--	350	530	530	2130
36	1	1x4	0.09	0.17	0.34	--	--	--	--	390	390	770	1780
	1	1-1/2x1-1/2	0.16	0.33	--	--	--	--	--	260	260	510	1180
	1-1/2	1-1/2x1-1/2	0.05	0.11	0.21	0.32	--	--	--	340	470	1280	2660
	2	2x2	0.02	0.05	0.09	0.14	0.23	0.47	--	410	1040	1040	3480
	3/4	1x4	0.13	0.27	--	--	--	--	--	220	330	330	1350
	3/4	1-1/2x1-1/2	0.21	0.42	--	--	--	--	--	160	250	250	1000
	1-1/4	1-1/2x1-1/2	0.07	0.15	0.30	0.45	--	--	--	290	440	440	1770
42	1	1x4	0.15	0.30	--	--	--	--	--	330	330	660	1520
	1	1-1/2x1-1/2	0.23	0.45	--	--	--	--	--	220	220	440	1010
	1-1/2	1-1/2x1-1/2	0.08	0.16	0.32	0.47	--	--	--	290	400	1100	2280
	2	2x2	0.04	0.07	0.14	0.22	0.36	--	--	350	890	890	2980
	1-1/4	1-1/2x1-1/2	0.12	0.24	0.48	--	--	--	--	250	380	380	1520
46	1	1x4	0.20	0.40	--	--	--	--	--	300	300	600	1390
	1	1-1/2x1-1/2	0.32	--	--	--	--	--	--	200	200	400	900
	1-1/4	1-1/2x1-1/2	0.16	0.31	--	--	--	--	--	230	340	340	1390
48	1-1/2	1-1/2x1-1/2	0.11	0.23	0.45	--	--	--	--	250	350	960	2000
	2	2x2	0.06	0.11	0.22	0.33	--	--	--	310	780	780	2610
54	1-1/2	1-1/2x1-1/2	0.15	0.30	--	--	--	--	--	230	310	850	1770
	2	2x2	0.07	0.15	0.30	0.45	--	--	--	270	690	690	2320
60	2	2x2	0.12	0.23	0.47	--	--	--	--	250	620	620	2090

NOTE:
All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

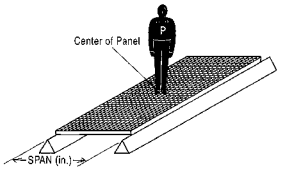
Load Tables - Chemgrate® Molded Gratings



MOLDED GRATING UNIFORM LOAD TABLES - DEFLECTIONS IN INCHES											MAXIMUM RECOMMENDED LOAD	ULTIMATE CAPACITY
CLEAR SPAN	STYLE		LOAD (psf)									
	DEPTH	MESH										
(in)	(in)	(in x in)	50	65	100	150	200	300	500	1000	(psf)	(psf)
12	5/8	1x4	0.01	0.02	0.03	0.04	0.05	0.08	--	--	444	3550
	1	2x2	<.01	0.01	0.02	0.03	0.04	0.06	--	--	344	2750
	1	1x4 std.	<.01	<.01	<.01	0.01	0.02	0.03	0.05	--	688	5500
	1	1x4 H.D.	<.01	<.01	<.01	0.01	0.02	0.02	0.04	--	844	6750
	1-1/2	1-1/2x6	<.01	<.01	<.01	<.01	0.01	0.01	0.02	0.03	1059	8475
	1-1/2	1-1/2x1-1/2	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	1266	10125
18	5/8	1x4	0.05	0.07	0.11	0.16	0.22	--	--	--	219	1750
	1	2x2	0.04	0.05	0.08	0.11	--	--	--	--	184	1475
	1	1x4 std.	0.02	0.02	0.04	0.06	0.08	0.11	0.19	0.40	372	2975
	1	1x4 H.D.	0.02	0.02	0.03	0.05	0.06	0.09	--	--	484	3875
	1-1/2	1-1/2x6	<.01	<.01	0.01	0.02	0.03	0.04	0.07	--	691	5525
	1-1/2	1-1/2x1-1/2	<.01	0.01	0.02	0.02	0.03	0.05	0.08	--	791	6325
24	5/8	1x4	0.15	0.19	0.30	0.45	--	--	--	--	208	1667
	1	2x2	0.11	0.14	0.21	0.32	--	--	--	--	160	1283
	1	1x4 std.	0.05	0.07	0.11	0.16	0.21	0.32	--	--	321	2567
	1	1x4 H.D.	0.04	0.05	0.08	0.13	0.17	0.25	--	--	406	3250
	1-1/2	1-1/2x6	0.02	0.02	0.04	0.05	0.07	0.11	0.18	--	556	4450
	1-1/2	1-1/2x1-1/2	0.02	0.03	0.05	0.07	0.09	0.14	0.23	--	663	5300
	2	2x2	0.01	0.02	0.03	0.04	0.05	0.08	0.13	--	809	6475
30	5/8	1x4	0.32	0.41	--	--	--	--	--	--	125	1000
	1	2x2	0.24	0.31	0.48	--	--	--	--	--	120	960
	1	1x4 std.	0.12	0.16	0.24	0.36	0.48	--	--	--	243	1940
	1	1x4 H.D.	0.09	0.12	0.18	0.28	0.37	--	--	--	325	2600
	1-1/2	1-1/2x6	0.04	0.05	0.08	0.12	0.16	0.25	--	--	473	3780
	1-1/2	1-1/2x1-1/2	0.05	0.07	0.11	0.16	0.21	0.32	--	--	445	3560
	2	2x2	0.03	0.04	0.06	0.09	0.12	0.18	0.30	--	528	4220
36	1	2x2	0.46	--	--	--	--	--	--	--	85	683
	1	1x4 std.	0.24	0.31	0.47	--	--	--	--	--	171	1367
	1	1x4 H.D.	0.18	0.23	0.35	--	--	--	--	--	233	1867
	1-1/2	1-1/2x6	0.08	0.10	0.16	0.24	0.32	0.48	--	--	344	2750
	1-1/2	1-1/2x1-1/2	0.11	0.14	0.21	0.32	0.42	--	--	--	315	2517
	2	2x2	0.06	0.08	0.12	0.18	0.24	0.36	--	--	371	2967
42	1	1x4 std.	0.43	--	--	--	--	--	--	--	127	1014
	1	1x4 H.D.	0.31	0.40	--	--	--	--	--	--	177	1414
	1-1/2	1-1/2x6	0.14	0.18	0.28	0.42	--	--	--	--	261	2086
	1-1/2	1-1/2x1-1/2	0.19	0.24	0.38	--	--	--	--	--	234	1871
	2	2x2	0.11	0.14	0.21	0.32	0.43	--	--	--	275	2200
48	1	1x4 H.D.	0.50	--	--	--	--	--	--	--	147	1175
	1-1/2	1-1/2x6	0.23	0.31	0.47	--	--	--	--	--	216	1725
	1-1/2	1-1/2x1-1/2	0.32	0.41	--	--	--	--	--	--	191	1525
	2	2x2	0.18	0.23	0.36	--	--	--	--	--	225	1800

NOTE:
All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

Load Tables - Chemgrate® Molded Gratings

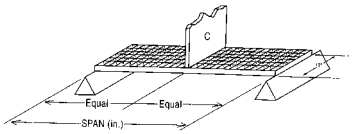


MOLDED GRATING CONCENTRATED POINT LOAD TABLES - Deflections in Inches

CLEAR SPAN (in)	STYLE		LOAD (lb)						
	DEPTH (in)	MESH (in x in)	50	100	200	300	500	1000	2000
9	5/8	1 x 4	0.01	0.02	0.04	0.06	0.10	0.20	0.41
	1	2 x 2	<.01	0.01	0.02	0.03	0.05	0.10	0.20
	1	1 x 4 std.	<.01	<.01	0.01	0.02	0.03	0.06	0.12
	1	1 x 4 HD	<.01	<.01	0.01	0.02	0.03	0.05	0.10
	1-1/2	1-1/2 x 6	<.01	<.01	<.01	<.01	0.01	0.03	0.05
15	5/8	1 x 4	0.03	0.05	0.11	0.16	0.26	--	--
	1	2 x 2	0.02	0.03	0.06	0.09	0.15	0.30	--
	1	1 x 4 std.	0.01	0.02	0.04	0.05	0.09	0.18	0.36
	1	1 x 4 HD	<.01	0.01	0.03	0.04	0.06	0.13	0.25
	1-1/2	1-1/2 x 6	<.01	0.01	0.02	0.03	0.04	0.08	0.17
21	5/8	1 x 4	0.05	0.10	0.19	0.29	0.48	--	--
	1	2 x 2	0.03	0.06	0.12	0.18	0.30	--	--
	1	1 x 4 std.	0.02	0.04	0.08	0.11	0.19	0.38	--
	1	1 x 4 HD	0.01	0.02	0.05	0.07	0.12	0.24	0.48
	1-1/2	1-1/2 x 6	<.01	0.01	0.03	0.04	0.07	0.13	0.27
	1-1/2	1-1/2 x 1-1/2	<.01	0.01	0.02	0.04	0.06	0.12	0.24
	2	2 x 2	<.01	0.01	0.02	0.03	0.05	0.11	0.22
27	5/8	1 x 4	0.08	0.17	0.33	--	--	--	--
	1	2 x 2	0.06	0.11	0.22	0.33	--	--	--
	1	1 x 4 std.	0.03	0.07	0.14	0.20	0.34	--	--
	1	1 x 4 HD	0.02	0.04	0.08	0.12	0.20	0.40	--
	1-1/2	1-1/2 x 6	0.01	0.02	0.04	0.06	0.10	0.21	0.41
	1-1/2	1-1/2 x 1-1/2	0.01	0.02	0.04	0.06	0.10	0.21	0.41
	2	2 x 2	0.01	0.02	0.03	0.05	0.08	0.17	0.34
33	5/8	1 x 4	0.12	0.25	0.50	--	--	--	--
	1	2 x 2	0.08	0.16	0.33	0.49	--	--	--
	1	1 x 4 std.	0.05	0.10	0.20	0.30	0.50	--	--
	1	1 x 4 HD	0.03	0.06	0.12	0.18	0.30	--	--
	1-1/2	1-1/2 x 6	0.02	0.03	0.06	0.09	0.16	0.31	--
	1-1/2	1-1/2 x 1-1/2	0.01	0.03	0.06	0.09	0.14	0.28	--
	2	2 x 2	0.01	0.02	0.05	0.07	0.12	0.23	0.46
39	5/8	1 x 4	0.17	0.34	--	--	--	--	--
	1	2 x 2	0.11	0.22	0.43	--	--	--	--
	1	1 x 4 std.	0.07	0.14	0.28	0.42	--	--	--
	1	1 x 4 HD	0.04	0.08	0.15	0.23	0.38	--	--
	1-1/2	1-1/2 x 6	0.02	0.04	0.09	0.13	0.22	0.44	--
	1-1/2	1-1/2 x 1-1/2	0.02	0.05	0.09	0.14	0.23	0.46	--
	2	2 x 2	0.02	0.03	0.07	0.10	0.16	0.33	--
45	5/8	1 x 4	0.22	0.44	--	--	--	--	--
	1	2 x 2	0.14	0.28	--	--	--	--	--
	1	1 x 4 std.	0.09	0.18	0.36	--	--	--	--
	1	1 x 4 HD	0.05	0.10	0.21	0.31	--	--	--
	1-1/2	1-1/2 x 6	0.03	0.06	0.12	0.18	0.29	--	--
	1-1/2	1-1/2 x 1-1/2	0.03	0.07	0.14	0.21	0.34	--	--
	2	2 x 2	0.02	0.04	0.09	0.13	0.22	0.43	--

NOTE:
All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

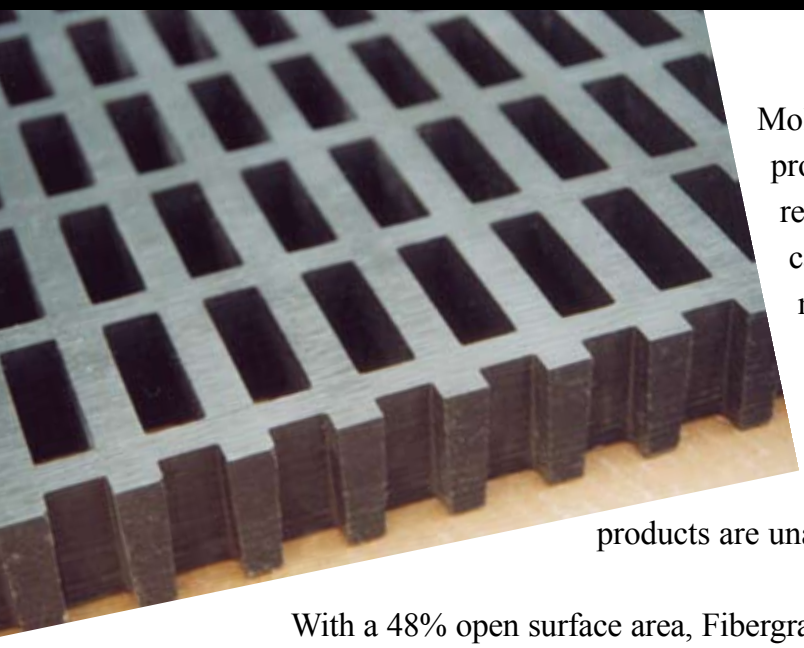
Load Tables - Chemgrate® Molded Gratings



MOLDED GRATING CONCENTRATED LINE LOAD TABLES - DEFLECTIONS IN INCHES											
CLEAR SPAN (in)	STYLE		LOAD (lb/ft of width)							MAX RECOMMENDED LOAD (lb/ft)	ULTIMATE CAPACITY (lb/ft)
	DEPTH (in)	MESH (in x in)	50	100	200	300	400	500	1000		
12	5/8	1 x 4	0.02	0.04	0.09	0.13	0.17	--	--	444	3550
	1	2 x 2	0.02	0.03	0.06	0.09	--	--	--	344	2750
	1	1 x 4 std.	<.01	0.01	0.03	0.04	0.06	0.07	--	688	5500
	1	1 x 4 H.D.	<.01	0.01	0.03	0.04	0.05	0.06	--	844	6750
	1-1/2	1-1/2 x 6	<.01	<.01	0.01	0.02	0.02	0.03	0.05	1059	8475
	1-1/2	1-1/2 x 1-1/2	<.01	<.01	0.01	0.02	0.03	0.03	0.07	1266	10125
18	5/8	1 x 4	0.06	0.12	0.23	0.35	--	--	--	313	2500
	1	2 x 2	0.04	0.08	0.16	--	--	--	--	241	1925
	1	1 x 4 std.	0.02	0.04	0.08	0.12	0.16	--	--	481	3850
	1	1 x 4 H.D.	0.02	0.03	0.07	0.10	0.13	0.17	--	609	4875
	1-1/2	1-1/2 x 6	<.01	0.01	0.03	0.04	0.06	0.07	--	834	6675
	1-1/2	1-1/2 x 1-1/2	0.01	0.02	0.03	0.05	0.07	0.09	0.18	994	7950
24	5/8	1 x 4	0.12	0.24	0.48	--	--	--	--	219	1750
	1	2 x 2	0.09	0.17	--	--	--	--	--	184	1475
	1	1 x 4 std.	0.04	0.09	0.17	0.26	--	--	--	372	2975
	1	1 x 4 H.D.	0.03	0.07	0.14	0.20	0.27	--	--	484	3875
	1-1/2	1-1/2 x 6	0.01	0.03	0.06	0.09	0.12	0.15	--	691	5525
	1-1/2	1-1/2 x 1-1/2	0.02	0.04	0.08	0.11	0.15	0.19	--	791	6325
	2	2 x 2	0.01	0.02	0.04	0.06	0.08	0.11	--	809	6475
30	5/8	1 x 4	0.20	0.41	--	--	--	--	--	156	1250
	1	2 x 2	0.15	0.31	--	--	--	--	--	150	1200
	1	1 x 4 std.	0.08	0.15	0.31	0.46	--	--	--	303	2425
	1	1 x 4 H.D.	0.06	0.12	0.24	0.36	0.47	--	--	406	3250
	1-1/2	1-1/2 x 6	0.03	0.05	0.11	0.16	0.21	0.26	--	591	4725
	1-1/2	1-1/2 x 1-1/2	0.03	0.07	0.14	0.20	0.27	0.34	--	556	4450
	2	2 x 2	0.02	0.04	0.08	0.12	0.15	0.19	--	659	5275
36	5/8	1 x 4	0.32	--	--	--	--	--	--	113	900
	1	2 x 2	0.25	0.49	--	--	--	--	--	128	1025
	1	1 x 4 std.	0.13	0.25	0.50	--	--	--	--	256	2050
	1	1 x 4 H.D.	0.09	0.19	0.38	--	--	--	--	350	2800
	1-1/2	1-1/2 x 6	0.04	0.09	0.17	0.26	0.34	0.43	--	516	4125
	1-1/2	1-1/2 x 1-1/2	0.06	0.11	0.22	0.34	0.45	--	--	472	3775
	2	2 x 2	0.03	0.06	0.13	0.19	0.25	0.32	--	556	4450
42	1	2 x 2	0.38	--	--	--	--	--	--	109	875
	1	1 x 4 std.	0.19	0.39	--	--	--	--	--	222	1775
	1	1 x 4 H.D.	0.14	0.28	--	--	--	--	--	309	2475
	1-1/2	1-1/2 x 6	0.06	0.13	0.26	0.39	--	--	--	456	3650
	1-1/2	1-1/2 x 1-1/2	0.09	0.17	0.34	--	--	--	--	409	3275
	2	2 x 2	0.05	0.10	0.20	0.29	0.39	--	--	481	3850
48	1	1 x 4 std.	0.29	--	--	--	--	--	--	206	1650
	1	1 x 4 H.D.	0.20	0.40	--	--	--	--	--	294	2350
	1-1/2	1-1/2 x 6	0.09	0.19	0.38	--	--	--	--	431	3450
	1-1/2	1-1/2 x 1-1/2	0.13	0.25	--	--	--	--	--	381	3050
	2	2 x 2	0.07	0.14	0.29	0.43	--	--	--	450	3600

NOTE:
All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

High Load Capacity Grating



Molded High Load Capacity (HLC) grating is yet another product in the arsenal of engineered fiberglass reinforced plastic (FRP) solutions by Fibergrate. While capitalizing on most of the traditional benefits of molded grating products - high strength, corrosion resistance, fire retardancy, nonconductivity and low maintenance - this specially manufactured molded FRP product has been engineered to carry the forklift loads that traditional molded FRP grating products are unable to support.

With a 48% open surface area, Fibergrate's molded HLC grating is available in a 6' x 4' panel with depths of 1-1/2" and 2" and comes standard in a fire-retardant vinyl ester resin system, dark gray in color, with a smooth surface. Fibergrate's molded HLC grating merits an ASTM E-84 flame spread rating of 25 or less and a Class 1 Fire Rating.

Allowable Spans for Vehicular Loads

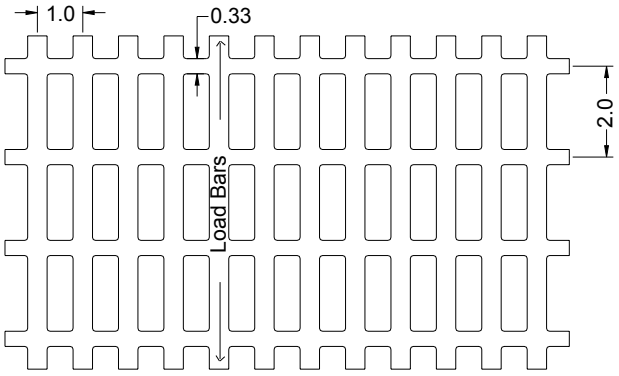
	Wheel Load (lb) (1/2 Axle Load +30% impact)	Load Distribution		Allowable Span[2,3]	
		Parallel To Axle[1]	Perpendicular To Axle	1-1/2" Deep HLC Molded Grating	2" Deep HLC Molded Grating
AASHTO Standard Truck[4] 32,000 lb Axle Load Dual Wheels ***(*formerly AASHTO H-20)***	20,800	20" + 4"	8"	1'-2"	1'-5"
Automobile Traffic 5,000 lb Vehicle 1,500 lb Load 55% Drive Axle Load	2,220	8" + 4"	8"	2'-2"	2'-8"
5 Ton Capacity Forklift 14,400 lb Vehicle 24,400 lb Total Load 85% Drive Axle Load	13,480	11" + 4"	11"	1'-1"	1'-5"
3 Ton Capacity Forklift 9,800 lb Vehicle 15,800 lb Total Load 85% Drive Axle Load	8,730	7" + 4"	7"	1'-0"	1'-4"
1 Ton Capacity Forklift 4,200 lb Vehicle 6,200 lb Total Load 85% Drive Axle Load	3,425	4" + 4"	4"	1'-7"	2'-1"

Notes:

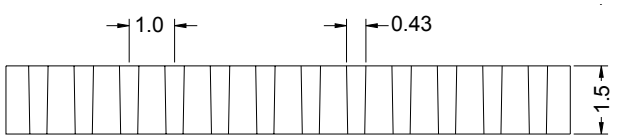
1. Load is carried by the grating load bars immediate under wheel + four additional load bars adjacent to wheel.
2. Allowable Span is based on a 0.25" maximum deflection and a Factor of Safety of 3.0. The other criteria may be required by certain construction codes. Check code requirements to determine design criteria.
3. **ALLOWABLE SPAN IS STRONGLY DEPENDENT ON WHEEL WIDTH AND VEHICLE WEIGHT/LOAD CAPACITY.** If your application varies from the values given on this table, contact Fibergrate Engineering for application assistance.
4. Load based on the AASHTO Standard Truck Load as defined in AASHTO LRFD Bridge Design Specifications, 2nd Ed. This does not imply that the allowable span meets the deflection requirements of this specification.

HLC Grating Details

1-1/2” Molded HLC Grating



Plan View

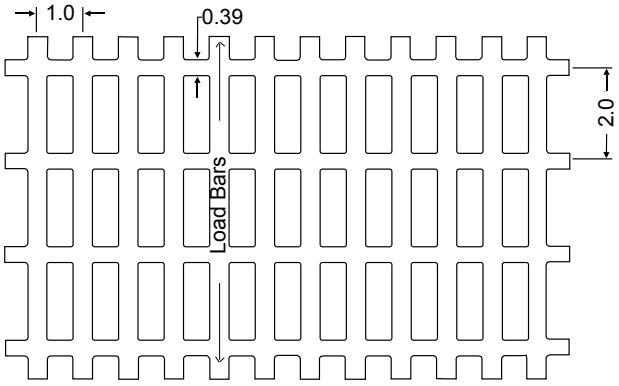


Elevation

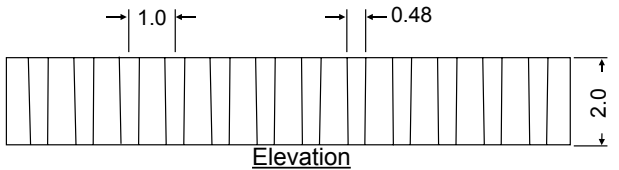
1 1/2” Deep x 1” x 2” Rectangular Mesh
# of Bars/Foot of Width = 12
Load Bar Width = 0.43” Load Bar Centers = 1”
Open Area = 48% Approx. Weight = 6.2 psf
Panel Size 6’ x 4’ (span)

Engineering Properties Per Ft of Width
A= 7.45 in^2 I = 1.39 in^4 S = 1.80 in^3
Average EI = 2,400,000 lb - in^2

2” Molded HLC Grating



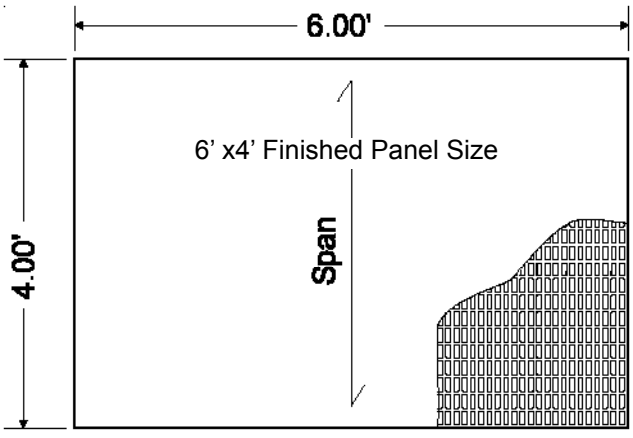
Plan View



Elevation

2” Deep x 1” x 2” Rectangular Mesh
# of Bars/Foot of Width = 12
Load Bar Width = 0.48” Load Bar Centers = 1”
Open Area = 48% Approx. Weight = 8.4 psf
Panel Size 6’ x 4’ (span)

Engineering Properties Per Ft of Width
A= 10.26 in^2 I = 3.40 in^4 S = 3.27 in^3
Average EI = 6,000,000 lb - in^2

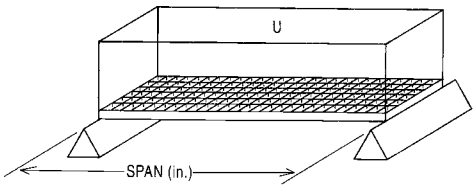


Note:
Load carrying bars are oriented across the narrow (4’) dimension of the panel. Panels furnished with closed bars all sides.



Microelectronics Facility

Load Tables - HLC Grating



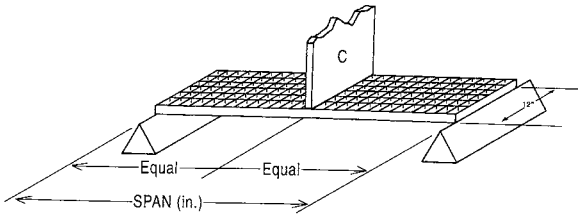
Molded High Load Capacity Grating
Load/Deflection Information-

Uniform Load Table - Deflection in Inches

SPAN (in)	STYLE DEPTH (in)	STYLE MESH (in x in)	UNIFORM LOAD (psf) 100	200	300	400	500	600	700	800	900	1000	MAXIMUM RECOMMENDED LOAD (psf)	ULTIMATE CAPACITY (psf)
12	1 1/2	1 x 2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	28000	84000
	2	1 x 2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	31200	93600
18	1 1/2	1 x 2	<0.01	<0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	12400	37300
	2	1 x 2	<0.01	<0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	14500	43500
24	1 1/2	1 x 2	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11	6800	20400
	2	1 x 2	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.06	9000	27200
30	1 1/2	1 x 2	0.03	0.05	0.08	0.11	0.13	0.16	0.18	0.21	0.24	0.26	4300	13000
	2	1 x 2	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.11	0.13	0.14	5800	17400
36	1 1/2	1 x 2	0.05	0.10	0.16	0.21	0.26	0.31	0.37	0.42	0.47	—	3000	9000
	2	1 x 2	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.30	4000	8800
42	1 1/2	1 x 2	0.10	0.19	0.29	0.39	0.48	—	—	—	—	—	2200	6600
	2	1 x 2	0.06	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50	—	2900	8800

NOTES:
1. ULTIMATE CAPACITY represents a complete and total failure of the grating. Values are provided to illustrate the reserve strength of the grating at a given span and are NOT to be used for design. Functionality of grating is limited to MAX RECOMMENDED LOAD.
2. The allowable loads in this table are for STATIC LOAD CONDITIONS at ambient temperatures only. Allowable loads for impact conditions should be a maximum of ONE-HALF the values shown. Long term loads will result in added deflection due to creep in the material and will also require higher safety factors to ensure acceptable performance. For applications at elevated temperatures, consult factory. The designer is further referenced to ASCE Structural Plastics Design Manual.
3. Fibergrate recommends a maximum deflection of 0.25" for this product under normal loading conditions. The use of L/500 may be required by certain construction codes. Check code requirements to determine design criteria.
4. All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

Load Tables - HLC Grating



Molded High Load Capacity Grating
Load/Deflection Information-

Concentrated Line Load Table - Deflection in Inches

SPAN (in)	STYLE DEPTH (in)	STYLE MESH (in x in)	LOAD (lb/ft of width) 100	200	300	500	1000	2000	3000	4000	5000	6000	MAXIMUM RECOMMENDED LOAD (lb/ft)	ULTIMATE CAPACITY (lb/ft)
12	1-1/2	1 x 2	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.04	0.06	0.07	0.08	14000	42000
	2	1 x 2	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.02	0.03	0.04	0.05	15600	46800
18	1-1/2	1 x 2	<0.01	<0.01	0.01	0.02	0.04	0.07	0.11	0.15	0.18	0.22	9300	28000
	2	1 x 2	<0.01	<0.01	0.01	0.01	0.02	0.04	0.06	0.08	0.11	0.13	10800	32600
24	1-1/2	1 x 2	<0.01	0.02	0.03	0.04	0.09	0.17	0.26	0.34	0.43	—	6800	20400
	2	1 x 2	<0.01	0.01	0.01	0.02	0.05	0.09	0.14	0.19	0.24	0.28	9000	27200
30	1-1/2	1 x 2	0.02	0.03	0.05	0.08	0.17	0.34	—	—	—	—	5400	16300
	2	1 x 2	0.01	0.02	0.03	0.05	0.09	0.18	0.28	0.37	0.46	—	7200	21700
36	1-1/2	1 x 2	0.03	0.06	0.08	0.14	0.28	—	—	—	—	—	4500	13600
	2	1 x 2	0.02	0.03	0.05	0.08	0.16	0.32	0.48	—	—	—	6000	18100
42	1-1/2	1 x 2	0.04	0.09	0.13	0.22	0.44	—	—	—	—	—	3800	11600
	2	1 x 2	0.03	0.05	0.08	0.13	0.25	0.50	—	—	—	—	5100	15500

NOTES:

1. ULTIMATE CAPACITY represents a complete and total failure of the grating. Values are provided to illustrate the reserve strength of the grating at a given span and are NOT to be used for design. Functionality of grating is limited to MAX RECOMMENDED LOAD.
2. The allowable loads in this table are for STATIC LOAD CONDITIONS at ambient temperatures only. Allowable loads for impact conditions should be a maximum of ONE-HALF the values shown. Long term loads will result in added deflection due to creep in the material and will also require higher safety factors to ensure acceptable performance. For applications at elevated temperatures, consult factory. The designer is further referenced to ASCE Structural Plastics Design Manual.
3. Fibergrate recommends a maximum deflection of 0.25" for this product under normal loading conditions. The use of L/500 may be required by certain construction codes. Check code requirements to determine design criteria.
4. All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

Micro-Mesh® Access Flooring

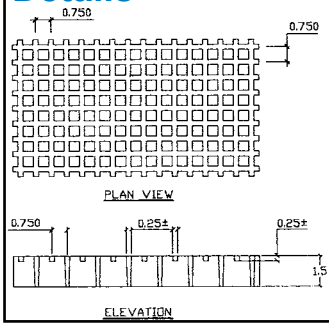


Micro-Mesh® fiberglass reinforced plastic (FRP) access flooring system is designed as a low cost alternative to aluminum, steel, stainless steel and other materials in applications where corrosion resistant under-floor access and unobstructed air flow is required. Lightweight, 2' x 2' Micro-Mesh panels are easily removed, providing ready access to electrical conduits, air supply plenums and service lines.

Micro-Mesh panels are the right choice to minimize vibration from rolling cart or wheelchair traffic. The ADA compliant 1/2" open area between bearing bars also prevents small tools and other objects from falling through the grating to the surface below. The "15 mm ball test" requirement, common in Europe and in offshore applications, is easily met by Micro-Mesh panels.

Adjustable quad-head grating pedestals allow for a fast, smooth installation and readily adjust to sub-floor contour to provide a level flooring surface. Micro-Mesh panels come standard with a smooth top and are also available with meniscus and applied grit tops.

Details



#of Bars/Ft of Width
16

Load Bar Width
1/4"

Bottom Load Bar Centers
1-1/2"

Top Load Bar Centers
3/4"

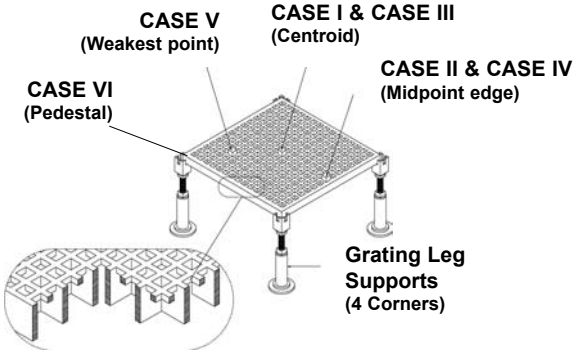
Open Area
44.4%

Approx.Weight
4.5 psf

Load and Deflection Data

Load capacity and deflection data was developed using the *Recommended Test Procedures for Access Floors* by the Ceilings & Interior Systems Construction Association (CISCA). Setup requires that panels "...shall be supported on an understructure support identical to that utilized in an installed system".

ALL LOAD POINTS 1" SQUARE



CONDITIONS:

CASE I. Concentrated loading at the center of the panel (centroid)
CASE II. Concentrated loading at the mid point of the edge (centerline edge)
CASE III. Ultimate Capacity - Concentrated loading at the center of the panel (centroid)
CASE IV. Ultimate Capacity - Concentrated loading at the midpoint of the edge (centerline edge)
CASE V. Ultimate Capacity - Concentrated loading at the "weakest point" of the panel
CASE VI. Ultimate Capacity - Pedestal

PANEL DEFLECTIONS			LOADS TO PRODUCE 0.08" DEFLECTION	
LOAD (lb)	CASE I (in)	CASE II (in)	CASE I	580 lb
100	0.006	0.032	CASE II	250 lb
200	0.020	0.064		
300	0.037	0.096	**ULTIMATE CAPACITIES**	
400	0.054	0.129	CASE III	4,700 lb
500	0.069	0.161	CASE IV	1,200 lb
750	0.116	0.240	CASE V	1,700 lb
1000	0.158	0.331	CASE VI	6,000 lb

For more information on Fibergrate's grating pedestal system, see page 26 or visit www.fibergrate.com for full brochure including layouts.

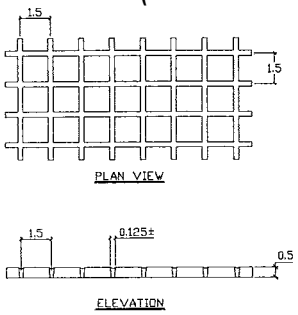
AirMesh® and Multigrid® Grating

AirMesh® Screening



Originally designed to meet United States Navy specifications (ELS resin system) for air intake screens on ships, AirMesh® molded FRP screening is now available for use in marine, commercial and general industrial applications. AirMesh is 1/2" deep, 1-1/2" square mesh screening with 1/8" thick bars available in 4' x 8' panels. To meet a wide range of requirements, AirMesh is available in all standard Fibergrate® molded resin systems. This advanced screen features an 87% open area, allowing a generous airflow and a standard smooth surface for worker safety. This open area also contributes to the light weight of AirMesh, making it easier to install. Corrosion resistant, anti-magnetic and nonconductive, AirMesh provides long, reliable life, even in the most demanding conditions.

Details *(Non-load carrying)*



1/2" x 1-1/2" Square Mesh

#of Bars/Ft of Width	
8	
Load Bar Width	Open Area
1/8"	87%
Load Bar Centers	Approx. Weight
1-1/2"	0.8 psf

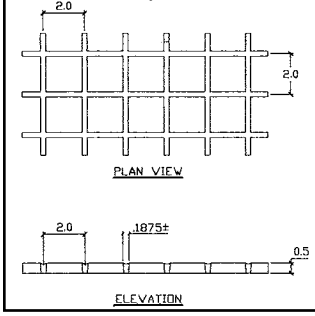
AirMesh is designed for safety. Its mesh is close enough to prevent hands from coming into contact with fan blades or other moving pieces of equipment. AirMesh is available in a wide range of colors dependent on resin system (see page 6), making it ideal as a visible safety screen over openings for rotating equipment.

Multigrid® Grating



Multigrid® is a 1/2" deep multipurpose lightweight FRP grating. With its 3/16" bars which are slightly thicker than AirMesh, Multigrid can be used as fully supported slip-resistant flooring in areas such as food processing facilities and other areas where wet or slippery conditions exist. Multigrid also provides a sturdy, cost-effective, protective walkway for trickling filter media, preventing damage to media when plant personnel inspect and service the rotary distributor. The 2" x 2" mesh size ensures continuous application of wastewater and suspended solids without plugging.

Details *(Must be fully supported)*



1/2" x 2" Square Mesh

#of Bars/Ft of Width	
6	
Load Bar Width	Open Area
3/16"	82%
Load Bar Centers	Approx. Weight
2"	0.96 psf

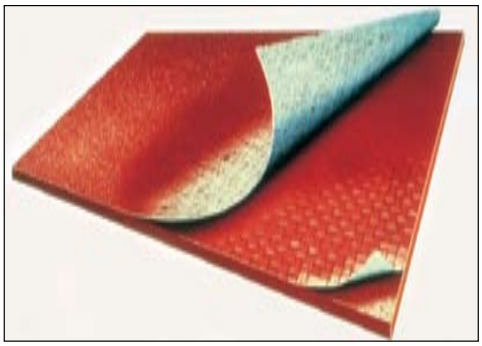
This product can also be used for a wide range of industrial, commercial and institutional applications including machinery guards, fencing, space dividers in factories and warehouses and cages for tools, equipment and animals. Safety barriers or cages are another common use where di-electric or corrosive conditions require protection for working personnel. Multigrid is available in 4' x 12' and 4' x 15' panels.

Floor Plate

Fibergrate sets the standard for high performance structural floor panels. Fibergrate's rugged fiberglass structural plates are designed for use in applications where durability and long, low-maintenance life are critical. These floor plates are an economical and safe solution to slippery walking surfaces. As flooring, Fibergrate's plates are often installed over existing grating to provide a solid walkway or to extend the life of a high traffic area. Nongritted Fiberplate can be bolted directly to structural beams and used as wall panels that are resistant to corrosive splash.

Along with long life and durability, Fiberplate® and Chemplate® incorporate a number of safety features. A molded-in, grit-top surface is standard for improved footing. Since these plates are electrically nonconductive, the possibility of workers being injured by electrical shock is virtually eliminated.

These specially designed products are nonporous and are easily cleaned by high pressure washer and can withstand cleaning solutions. Standard panel sizes are 3' x 10', 4' x 8', 4' x 12' and 5' x 10'. *(Custom sizes available.)*



Structural Laminate Construction

Chemplate and Fiberplate are manufactured by building up multiple layers of fiberglass reinforcement and specially-formulated resins. The result of this process is a solid composite panel offering both bidirectional strength and corrosion resistance.



Fiberplate®

In caustic and/or acidic conditions, Fiberplate provides a level of corrosion resistance that is unequaled, even with stainless steel. In addition, the strength of Fiberplate is evidenced by its ability to support heavy loads. Fiberplate is made in thicknesses ranging from 1/8" to 3/4" and is easy to install, with a minimum of material waste. Fiberplate is available in various resin systems and colors including Vi-Corr®, FGI-AM (USDA accepted) and Corvex®. Color options include special shades of blue and green, proven in ergonomic research to increase worker productivity.

Chemplate®

Accepted by the USDA* for use in food processing facilities, Chemplate delivers an impressive range of characteristics beneficial to the food industry. Safety is enhanced by its standard grit-top surface, which provides superior slip resistance over metal products such as diamond plate. Chemplate is available in four resin systems (FS-25, FGI-AM, VE-25 and CP-84) and a variety of colors dependent on resin selection (see page 6).

**Includes only FS-25, FGI-AM and CP-84*



Load Tables - Floor Plate

Chemplate® and Fiberplate® Load and Deflection Data

*Important: 1/8" Plate designed for use as covering only; not recommended for load bearing service.

Depth (in)	Span (in)	Concentrated Load-Full Panel							Uniform Load-Full Panel							Concentrated Load Required to Produce Deflection Equal to 1% of Span (lb)
		Maximum Load		Load (lb)					Maximum Load		Load (psf)					
		Norm[1]	Firm[2]	100	250	500	750	1000	Norm[1]	Firm[2]	25	50	75	100	150	
1/4	12	229	135	.047	.104 .	199	.294	.392	336	208	.010	.014	.022	.029	.043	300 lb
	18	196	117	.079	.181	.351	—	—	99	54	.056	.085	.115	.145	.204	256 lb
	24	181	116	.102	.268	—	—	—	28	15	.177	.327	.476	—	—	223 lb
	36[4]	84	55	.350	—	—	—	—	—	—	—	—	—	—	—	103 lb
3/8	12	515	325	.018	.045	.093	.140	.190	480	300	<.01	<.01	.016	.020	.030	667 lb
	18	455	288	.028	.077	.158	.239	.320	146	91	.026	.050	.075	.099	.148	584 lb
	24	259	149	.100	.195	.355	—	—	64	40	.075	.150	.225	.300	.449	308 lb
	36[4]	154	98	.178	.467	—	—	—	28	17	.258	—	—	—	—	192 lb
1/2	12	960	600	<.01	.025	.048	.075	.100	654	410	<.01	<.01	.012	.016	.022	1250 lb
	18	853	543	.011	.038	.081	.125	.169	206	125	.025	.041	.057	.074	.106	1184 lb
	24	508	313	.043	.098	.190	.282	.374	118	72	.051	.089	.127	.165	.241	631 lb
	36[4]	260	157	.127	.283	—	—	—	49	30	.153	.297	.441	—	—	318 lb
3/4	12	3965	2469	.003	.007	.013	.019	.024	1944	1215	.0012	.0025	.0037	.0049	.0074	4750 lb
	18	1798	1123	.009	.024	.043	.063	.079	576	360	.002	.011	.018	.025	.039	2140 lb
	24	1412	882	.019	.042	.075	.106	.133	243	152	.031	.054	.075	.093	.131	1700 lb
	36[4]	1108	693	.027	.066	.129	.188	.243	85	53	.078	.134	.187	.231	.321	1440 lb

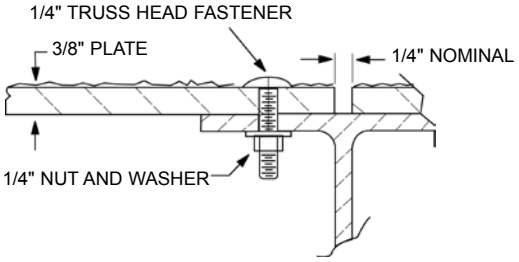
Notes:
(1) Normal load is the load which will produce a L/D of 125 or .375" Maximum.
(2) Firm is the load which will produce a L/D of 200 or .25" Maximum.
(3) Loads for Short Span Normal and Firm have been limited to allow for shearing effects.
(4) Clear Span is 2" less than width of grating.

Plate Weight

1/8"- 1⅝ psf, **1/4"**- 2-1/2 psf, **3/8"**- 4¼ psf, **1/2"**- 5⅝ psf, **3/4"**- 8 ⅜ psf

Installation

- Install using ordinary hand tools and masonry blade
- Fastener assembly kits may be ordered directly from Fibergrate
- Space fasteners a minimum of 12"-24" apart
- On concrete, use masonry bit and concrete anchor bolts
- On steel, wood or FRP, drill and bolt with truss head assembly
- It is recommended that all cut edges and holes be sealed



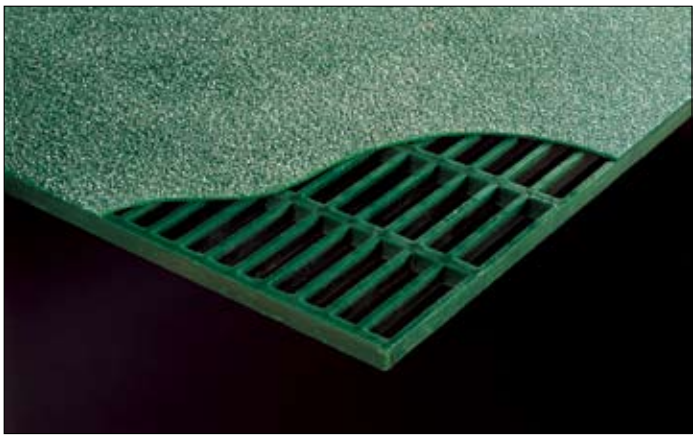
Covered Grating



Covered grating is often used in loading and storage areas. Other applications include food processing facilities where covered grating walkways prohibit contamination to conveyor or work surfaces below; facilities where covered grating provides a walking surface and controls subsurface odors; walkways over tank tops and vats and solid flooring where narrow heels might present a tripping hazard with open mesh grating.

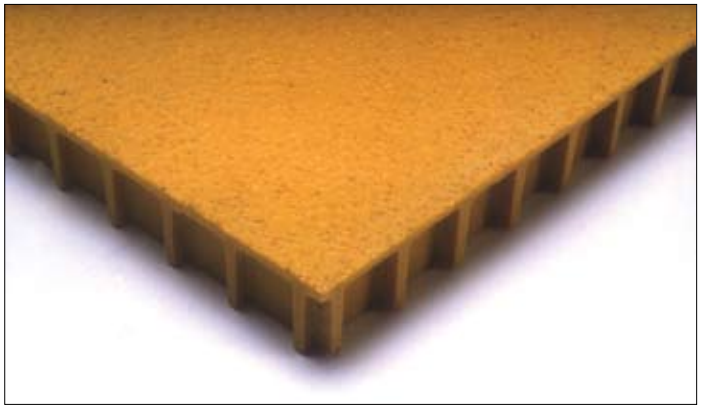
Chemdeck® Covered Grating

Chemdeck® is a long-lasting, molded one-piece fiberglass floor product that combines slip-resistant Chemplate® floor plate with corrosion-resistant Chemgrate® grating. The top plate is integrally-molded to the supporting bars for a strong, long lasting surface which provides approximately 50% higher stiffness values than open grating. Chemdeck comes in standard panel sizes with either a 1/8" or 1/4" deep plate applied to standard depths of grating. Chemdeck is available in all four Chemgrate resin systems — FS-25, FGI-AM, CP-84 and VE-25 — offering a variety of colors (dependant on resin selection - see page 6) that complement most walking surfaces.



Fibergrate® Covered Grating

Covered molded grating manufactured with Fibergrate resin includes an 1/8" deep fiberglass gritted plate cover secondarily affixed to any Fibergrate molded grating panel. Covered grating offers a strong, level surface for foot or cart traffic and provides approximately 50% higher stiffness values than that of open mesh grating. Its standard grit-top cover assures secure footing.



Note: *Type WLP Hold Down Clips are recommended to secure Chemdeck and Fibergrate covered grating panels to structural supports in order to eliminate potential damage to the covered grating. Fibergrate provides 8 WLP Hold Down clips per panel.*

Work Platform Solutions



Work station platforms from Fibergrate are available in a variety of styles, heights and sizes to provide a slip- and corrosion-resistant and ergonomic solution for your facility. From portable one-piece workstands to fixed large-scale access platforms, Fibergrate will help you find the perfect fit for your working environment.

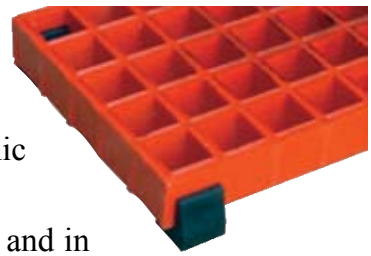
Safe-T-Stand®



Safe-T-Stand platforms have a grit top which provides a safe, slip-resistant surface, while their resilient design eases the strain on feet, legs and back muscles. Stands are available in 2", 4", 6", 8" and 10" heights and have skid-resistant rubber feet for added safety.

The proven strength, impact resistance and overall durability of FRP construction make Safe-T-Stand platforms equally usable in any process industry or manufacturing environment. Standard Safe-T-Stand platforms are manufactured using a specially-designed, USDA-accepted, food-grade resin for food and beverage processing plants. The full line of Fibergrate resin systems is available for non-food applications.

Fibergrate® Workmats



Specially designed rubber feet are an economical way to create a raised, ergonomic grating workmat for use around machines, lathes and in wet areas. With the rubber feet, facilities have a cost-effective solution to elevate grating needed for drainage or waterflow and safe, ergonomic platforms. The feet raise the grating 1/2" above the ground and along with the open mesh, protect workers by allowing chips and fluids to fall below the standing surface eliminating slip and fall hazards.

Fibergrate® Custom Platform Solutions

Fibergrate's turnkey approach to providing custom platform solutions include design and fabrication and installation services. From simple portable workstations to complex multifaceted platforms, the experienced personnel at Fibergrate can provide your facility with the perfect custom platform solution.



Stair Solutions - Stair Treads

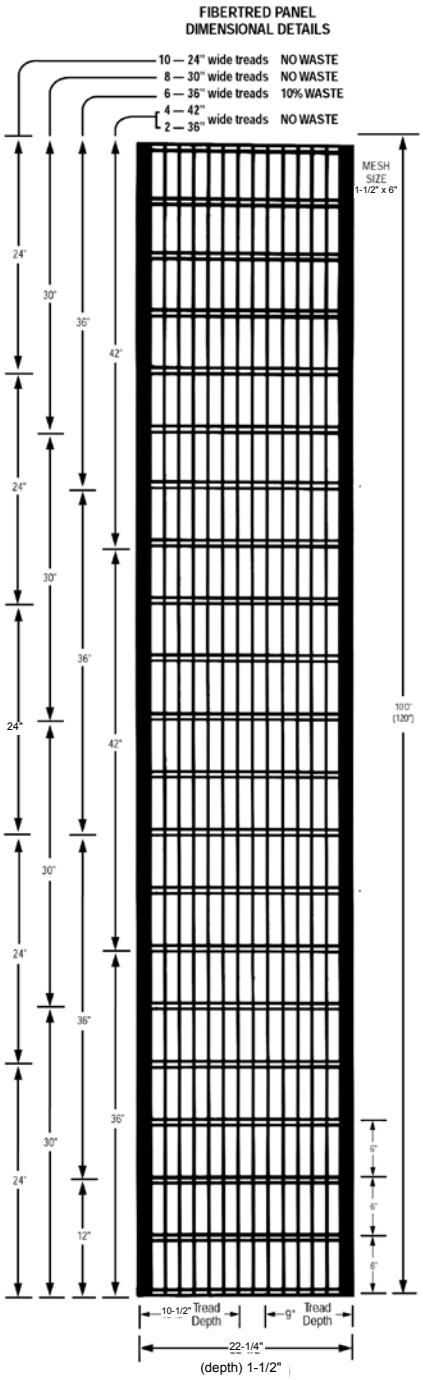


Fibergrate provides several slip- and corrosion-resistant products for your stairway safety needs. Our complete stair solution line includes panels in a one-piece molded configuration for new or replacement step; covered stair treads to replace deteriorating concrete steps; or stair tread covers designed to add slip and corrosion resistance to existing metal, concrete or woods steps. Stair treads are available in a one-piece molded configuration engineered to exceed OSHA and other model building code standards for safety, strength, durability and corrosion resistance.



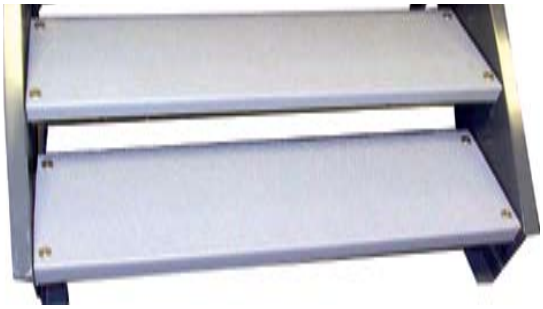
Fibertred® Panels

Fibertred stair treads are available in the same high-performance resin formulations as Fibergrate grating. Unique cutting channels spaced at 6" intervals provide efficient utilization when custom fitting treads into stairways. These channels also ensure that all standard stair tread widths are terminated with closed ends. Up to five 24" wide stair treads can be cut from each side of a single panel. A 1-1/2" wide gritted strip is molded in on both sides of the panel for superior slip resistance.



Fibergrate® Covered Stair Treads

Designed as an alternative to the high-maintenance concrete or slippery metal step, covered stair treads are designed for commercial and architectural applications where aesthetics and low maintenance are important considerations. Covered stair treads are available in FS-25 resin and has an integral grit top which comes in three slip-resistant textures — coarse, medium and fine which is suitable even for barefoot traffic. They can withstand many corrosive environments including salt, continuous moisture and constant cleaning. The lightweight tread weighs less than 20 percent that of a precast concrete step and can be easily fabricated and installed with simple wood working tools.



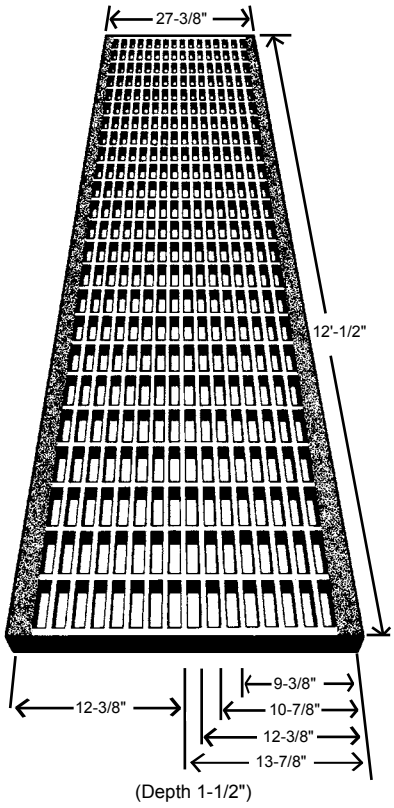
Stair Solutions - Stair Treads



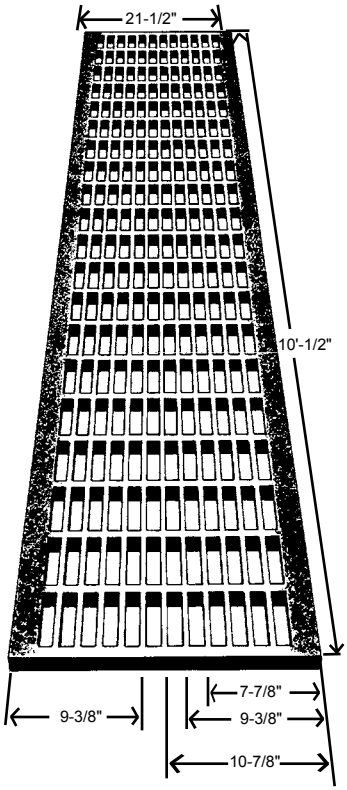
Chemtred® Panels

Chemtred is an open grating type stair tread with tapered bars that allow self-cleaning. Chemtred is molded with an integral solid contrasting nosing and integral slip-resistant grit top. There are two specially designed panel sizes and bars are on 1-1/2" and 6" centers. Panels are available in all Chemgrate resins.

Approximate Weight 103 lb
Normally for 42-1/2", 48-1/2",
54-1/2" & 60-1/2" tread sizes



(Depth 1-1/2")



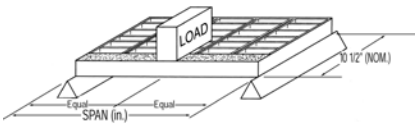
(Depth 1-1/2")

Approximate Weight 103 lb
Normally for 42-1/2", 48-1/2",
54-1/2" & 60-1/2" tread sizes

Load Table - Stair Treads

Tread	Tread Type (Depth x Width)	Mesh Type	Load (lb)	Span (in) / Span/150	18 / 0.12	24 / 0.16	30 / 0.20	36 / 0.24	42 / 0.28	48 / 0.32
Fibertred	1-1/2" x 6"	Rectangular	250		0.03	0.05	0.09	0.16	0.25	0.41
			500		0.06	0.10	0.19	0.32	0.50	—
Chemtred	1-1/2" x 6"	Rectangular	250		0.03	0.05	0.09	0.14	0.25	0.41
			500		0.06	0.10	0.18	0.29	0.50	—

Notes:
1. It is suggested that stair tread deflections be limited to Span/150. Deflections based on this ratio are at the top of the table.
2. Deflections in the body of the table are for concentrated loads of both 250 and 500 lb A concentrated load is applied at the centerline of the tread, over a width of 4" and a depth of 6", starting at the nosing edge to simulate the landing of a foot.
3. Stair treads with square mesh or for longer spans are available by custom order. Please contact Fibergrate for more information.



Load Table - Covered Stair Treads

Tread Type (Depth x Width)	Load (lb)	Span (in) / L/D=150	30 / 0.2	36 / 0.24	42 / 0.28	48 / 0.32	54 / 0.36	60 / 0.4
1-5/8" x 10-5/8"	250		0.08	0.15	0.23	0.35	—	—
	500		0.17	0.29	0.47	—	—	—
1-5/8" x 12-1/4"	250		0.07	0.11	0.18	0.27	0.37	—
	500		0.13	0.23	0.36	—	—	—
2-1/8" x 10-1/4"	250		0.04	0.06	0.09	0.14	0.20	0.27
	500		0.07	0.13	0.19	0.28	0.39	—
2-1/8" x 12-1/4"	250		0.03	0.05	0.08	0.12	0.17	0.23
	500		0.05	0.10	0.17	0.24	0.33	0.46

Grating tolerances ± 1/8"

Stair Solutions - Stair Tread Covers



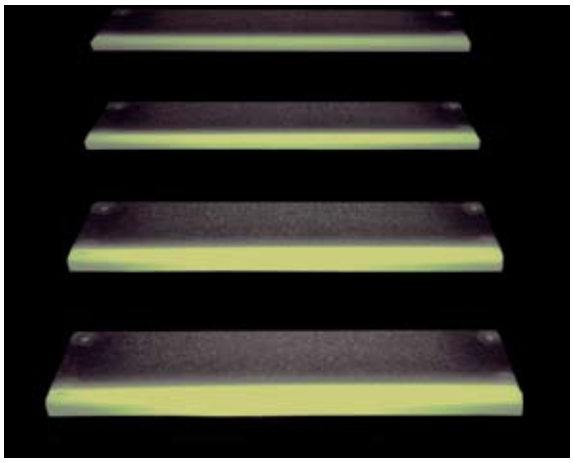


Fiberplate® stair tread covers are a convenient way to provide solid slip-resistant footing for existing stairs. Stair tread covers may be installed over wood, concrete or metal steps. Standard color is dark gray with a highly visible safety yellow nosing and light gray for architectural applications.

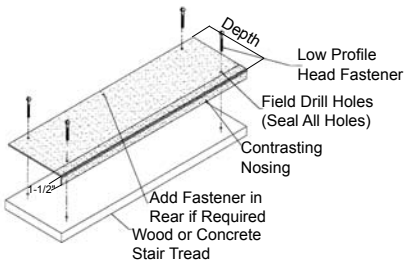
An integral aluminum oxide grit-top surface provides secure footing for maximum safety and a highly durable tread. Reinforced with a woven glass mat for durability and impact resistance, these tread covers come in 8", 9" 10", 11" and 12" depths. The standard thickness is 1/8" with 1/4" thick covers available for heavy duty applications. Standard 12' panels are easily cut to size during installation, or are available precut to custom lengths.

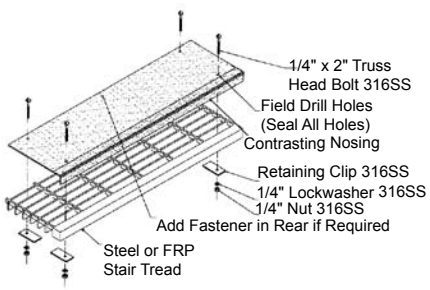
Phosphorescent Nosing

Fiberplate stair tread covers can be ordered with a special phosphorescent coating for the nosing area, causing it to glow even after the primary light source has been removed. The special nosing is perfect in stairways which serve as emergency exits during power outages, outdoor accessways where lighting is periodically dimmed as in arenas and concert halls or as a safety measure for nighttime operation in outdoor applications such as on passenger ships. This special nosing has been tested in accordance with ISO/TC 8/SC 1 N. Ships and Marine Technology — Low Location Lighting on Passenger Ships.



Installation Details



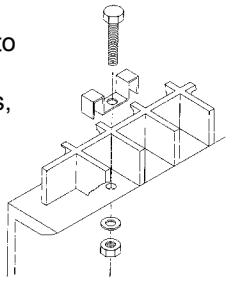


Accessories

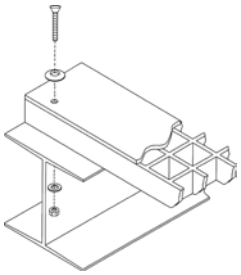
Clip Assemblies For Molded Products

Fibergrate offers specially designed attachments and clips, both to fasten panels together and to secure them to support structures. All types are made of Type 316 Stainless Steel and are available in 1", 1-1/2" and 2" sizes. Install clips a maximum of every 48" and use at least four clips per piece of grating (at least eight clips per 4' x 12' panel).

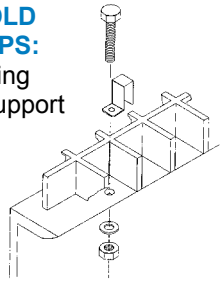
TYPE M HOLD DOWN CLIPS: secure panels to a support in the same manner as Type J Clips, but designed to use two adjacent grating bars for a more secure fit. Similar in design to metal grating saddle clips.



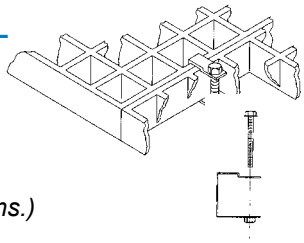
TYPE WLP STRUCTURAL CLIPS: secure covered grating or plate to a structure. *(Also available in 304 SS)*



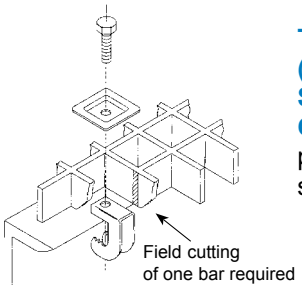
TYPE J HOLD DOWN CLIPS: secure grating panels to support frames.



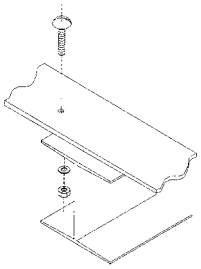
TYPE F END PANEL CLIPS: provide a simplified method for joining factory edges of adjacent abutting panels. *(Not for use with Chemgrate resins.)*



TYPE G HOLD DOWN CLIPS: attach grating to any structural member flange, 3/4" or smaller in thickness, with no drilling required.



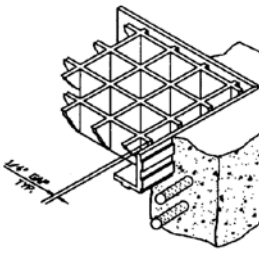
TYPE H (TRUSS HEAD) STRUCTURAL CLIPS: secure plate to a structure.



EZ Angle® Embedment Angle



EZ Angle® embedment angle is precision-designed for solid seating of 1", 1-1/2", and 2" deep gratings. EZ Angle embedment angle is stocked in 20' lengths for immediate shipment. *For animated installation instructions, visit our resource center at www.fibergrate.com.*



Sealing and Bonding Kits

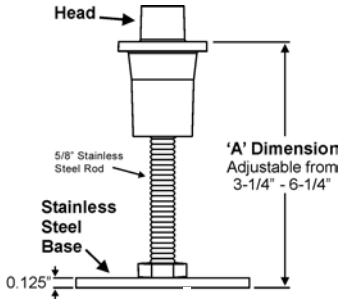
To maintain corrosion resistance and structural integrity, Fibergrate offers standard resin sealing in 1/2 pint and gallon kits for protecting the exposed ends of cut panels and other components. One 1/2 pint kit coats approximately 20-40 lineal feet. Sealing and bonding kits come in a natural, unpigmented color.



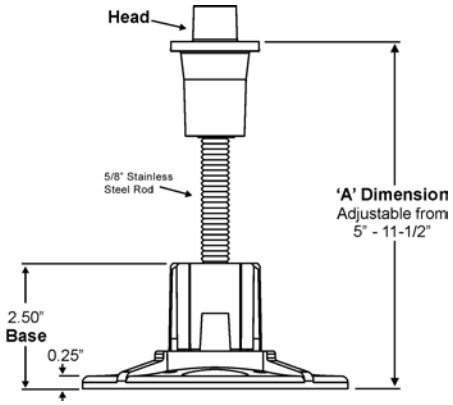
Grating Pedestals



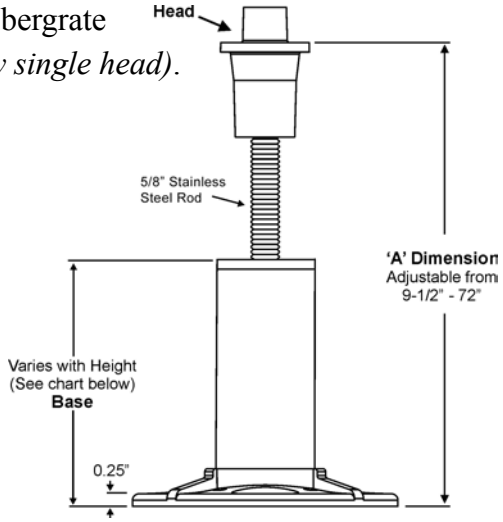
Made with the same adherence to quality as all Fibergrate products, specially designed pedestals for square mesh molded grating are manufactured to provide safe support for elevated flooring. Pedestal supported floors are versatile; they can be modified or moved from place to place as necessary and pedestals are generally much less expensive than beam support systems. Adjustable pedestals are available in heights from 3-1/4" to 72" (with additional bracing). Pedestals are available with 1-1/2" or 2" single heads or quad heads to fit Fibergrate or Chemgrate grating *(diagrams show single head)*.



Mini Pedestal Elevation



Standard Pedestal Elevation



Extended Pedestal Elevation

Pedestal Configuration	'A' Range		Total Adjustment	Head			
				Single Head		Quad Head	
	Min.	Max.		1-1/2"	2"	Fibergrate®	Chemgrate®
Mini	3-1/4"	4-3/4"	1-1/2"	561103	562103	563103	564103
	4"	5-1/2"	1-1/2"	561104	562104	563104	564104
	4-3/4"	6-1/4"	1-1/2"	561105	562105	563105	564105
Standard	5"	7-3/4"	2-3/4"	561205	562205	563205	564205
	6-3/4"	9-1/2"	2-3/4"	561207	562207	563207	564207
	8-3/4"	11-1/2"	2-3/4"	561209	562209	563209	564209
Extended	9-1/2"	14"	4-1/2"	561310	562310	563310	564310
	12"	18"	6"	561312	562312	563312	564312
	15"	21"	6"	561315	562315	563315	564315
	18"	24"	6"	561318	562318	563318	564318
	21"	27"	6"	561321	562321	563321	564321
	24"	30"	6"	561324	562324	563324	564324
	27"	33"	6"	561327	562327	563327	564327
	30"	36"	6"	561330	562330	563330	564330
	33"	39"	6"	561333	562333	563333	564333
	36"	42"	6"	561336	562336	563336	564336

Notes: Available to 72" - contact Fibergrate for more information on extended lengths and bracing. For a more detailed brochure on pedestals, go to www.fibergrate.com or contact Fibergrate.

Engineering Notes

The strength and corrosion resistance of FRP grating are related to the glass content, resin content, resin type and method of construction. Fibergrate molded products provide an outstanding balance of corrosion resistance, slip resistance and strength.

There are three frequently used methods of support for molded fiberglass grating:

1) two continuous edge supports with bearing bars perpendicular to the supports;
2) continuous support around all sides; and
3) four-corner support, or point support. (For example, pedestals are provided to support the grating a few inches above the existing floor when large volumes of liquids are flowing onto the floor and where a slip-resistant drainable floor surface is required because of operating requirements.)

Panels are normally supported around the perimeter to assure panel-to-panel alignment.

In using Fibergrate's grating, the principles are similar to metal grating usage, but you must keep in mind that the flexural modulus of elasticity of reinforced fiberglass bars is lower than that of steel. As a result, the allowable deflection is often the limiting consideration.

Engineering Notes

Optimum floor installation costs are achieved by minimizing the combined cost of the support structure and grating. As the span is decreased, load capacity requirements of the grating are reduced. Estimating two or three span options will establish the optimum system.

Mesh Selection: The following notes can be helpful in selecting the optimum mesh configuration.

(1) Grating with heavier bars should be selected for floors subjected to more abusive services. In these type applications the 3/8" wide bearing bars and 5/8" crossbars of the 1" (1" x 4") Heavy Duty and the 1-1/2" (1-1/2" x 6") would be more suitable than the 1/4" wide bars on other mesh sizes.

(2) Rectangular mesh pattern grating provides the highest load-carrying capacity based upon cost per square foot.

(3) Square pattern mesh configurations have nearly equal strength in both directions. Spans larger than four feet, multiple floor cutouts, high load/four-sided support layouts or pedestal supported floors are conditions frequently well-served by square mesh configurations. High utilization per standard panel and bidirectional aesthetics are beneficial features of square mesh patterns.

Simple Beam Support: All data in our tables are based on simple beam support. Load and deflection for other types of beams, i.e., cantilever, fixed end support, continuous support, etc. can be estimated by using standard beam formulas.

Load vs. Deflection: Load vs. Deflection is approximately proportional for a given span (i.e. if a concentrated 400 lb load deflects a 30" span 1/4", an 800 lb load would deflect the same span 1/2").

Other Spans: Consult Fibergrate's Engineering Department.



Load Information/Grating Selection

Load/Deflection Tables Information

Fibergrate load and deflection tables are designed to be user friendly by separating uniform load information from concentrated load information and concentrated point load data. These layouts allow designers to quickly and accurately denote the grating best suited for the intended purpose. Fibergrate employs state-of-the-art Acoustic Emission Testing. Fibergrate's load tables provide a maximum load below which corrosion resistance damage does not occur.

Acoustic Emission

Acoustic Emission testing has long been an accepted industry practice for the non-destructive proof testing of fiber-reinforced tanks, pipes, pressure vessels and utility truck booms. Acoustic Emission detects the earliest evidence of failure in an FRP composite under load by detecting the inaudible sounds which occur as a result of: 1) cracking of the resin matrix, 2) delamination between the composite plies, 3) fracture of the reinforcing fiber, or 4) interface failure between the matrix and reinforcement. Such failures represent the earliest opportunity for intrusion of the corrosion elements. By utilizing Acoustic Emission technology, Fibergrate is able to establish the Maximum Recommended Load rating for each grating product at which maximum corrosion resistance will be offered.

Ultimate Capacity

Fibergrate has tested its molded grating product line to its ultimate capacity. ULTIMATE CAPACITY represents a complete and total failure of the grating and is presented to illustrate the reserve strength of the grating at a given span. Because there is some variation in ultimate load capacity from resin to resin, Fibergrate has chosen to list the lowest or most conservative ultimate capacity value. Ultimate capacities are not to be used for design: functionality of the grating is limited to Maximum Recommended Load.

Manufacturing Control Limits

The load/deflection values given in this brochure are average values developed through Fibergrate's Quality Assurance Program. The manufacturing control limit on stiffnes for all panels is plus or minus 7.5% of these average values. **This represents the tightest control on performance variation in the industry based on published data.**

	MOLDED		PULTRUDED	MOLTRUDED®
Application Needs	1" Rectangular Mesh	1", 1-1/2" & 2" Square Mesh	Safe-T-Span®	Rigidex II®
Corrosion Resistance	HR	HR	R	R
Strength/Stiffness (longest span)	R	R	HR	HR
Impact Resistance	R	HR	A	R
Open Area (for drainage, aeration, light penetration)	HR	HR	A	HR
Single Direction Span	R	A	HR	HR
Bidirectional Span	N	HR	N	N
Ease of Layout and Installation	A	HR	A	A
Lightweight in Comparison to Metals	HR	HR	HR	HR
Custom Panel Sizes Available	A	R	R	N

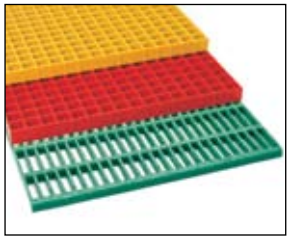
HR = Highly Recommended R = Recommended A = Acceptable N = Not Recommended

Chemical Resistance Guide

Chemical Environment	% Concentration	Temp °F	Molded									Pultruded	
			Fibergrate®						Chemgrate®			Safe-T-Span®	
			Vi-Corr®	Super Vi-Corr®	IFR/Rigidex II	FGI	Corvex®	XFR	FS-25	CP-84	VE-25	VEFR	ISOFR
Acetic Acid	50	MAX	C	C	C	C	C	I	C	C	C	C	C
Acetone	100	75	S	S	I	I	T	I	I	I	S	I	N
Alcohols	100	120	C	C	I	I	I	S	I	I	C	I	I
Alum	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Aluminum Chloride	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Aluminum Fluoride	20	75	C	C	I	I	I	I	I	I	C	I	I
Ammonium Hydroxide	30	75	C	C	N	N	N	N	N	I	C	I	N
Ammonium Salts-Neutral	ALL	120	C	C	C	C	S	S	I	I	S	C	S
Ammonium Salts-Aggressive	ALL	75	S	C	I	I	T	I	I	I	S	T	N
Aromatic Solvents	ALL	75	T	T	N	N	N	N	N	N	T	N	N
Barium Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Benzene	100	140	I	S	I	I	N	I	I	I	I	I	N
Black Liquor (Pulp Mill)	ALL	MAX	C	C	I	I	N	I	I	I	C	I	N
Bleach Liquor (Pulp Mill)	ALL	MAX	C	C	I	I	N	N	I	I	C	I	N
Calcium Hydroxide	25	MAX	C	C	S	S	I	I	S	S	C	S	I
Calcium Hypochlorite	ALL	MAX	C	C	I	I	N	I	I	I	C	I	N
Calcium Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Carbon Tetrachloride	100	75	C	C	I	I	N	S	N	I	C	S	N
Chlorinated Hydrocarbons	100	75	T	T	T	T	T	N	N	N	T	T	T
Chlorine Dioxide	SAT	140	C	C	N	N	N	N	N	T	C	S	N
Chlorine Water	SAT	120	C	C	I	I	T	I	I	I	C	I	N
Chlorine, Wet	SAT	MAX	C	C	N	N	N	N	N	N	C	N	N
Chlorobenzene	100	75	S	S	N	N	N	N	N	N	S	N	N
Chlorobenzene	ALL	Up to 100	C	C	N	N	N	N	N	N	C	N	N
Chloroform	100	75	N	N	N	N	N	N	N	N	N	N	N
Chromic Acid	50	140	S	S	S	S	N	N	I	S	S	I	N
Citric Acid	ALL	MAX	C	C	C	C	C	C	I	C	C	C	C
Copper Cyanide Plating	ALL	125	C	C	S	S	I	N	S	S	C	S	I
Copper Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Crude Oil (Sweet or Sour)	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Dichlorobenzene	100	75	T	S	N	N	N	N	N	N	T	N	N
Ethers		75	T	T	N	N	N	N	N	N	T	N	N
Ferric Chloride	100	MAX	C	C	C	C	C	C	I	C	C	C	C
Ferric Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Fluoride Salts+HCl	ALL	75	C	C	S	S	N	I	S	S	C	I	N
Fluosilicic Acid	10	75	C	C	S	S	S	S	S	S	C	S	I
Formaldehyde	37	150	C	C	I	I	I	I	I	I	C	S	I
Formic Acid	25	100	C	C	S	S	I	I	I	S	C	S	I
Fuel (Diesel, Jet, Gasoline)	ALL	100	C	C	C	C	C	C	C	C	C	C	C
Glycerine	100	MAX	C	C	C	C	C	C	C	C	C	C	C
Green Liquor (Pulp Mill)	ALL	MAX	C	C	N	N	N	N	N	I	C	I	N
Hydrobromic Acid	48	MAX	S	S	S	S	I	I	I	S	S	I	N
Hydrochloric Acid	10	MAX	C	C	S	S	S	C	S	S	C	S	S
Hydrochloric Acid	30	MAX	C	C	S	S	I	I	S	S	C	I	I
Hydrochloric Acid (concentrated)	ALL	Up to 180	I	C	N	N	N	N	N	N	I	N	N
Hydrocyanic Acid	ALL	MAX	C	C	I	I	I	I	I	I	C	S	I
Hydrofluoric Acid	20	75	S	C	N	N	N	N	N	N	S	N	N
Hydrogen Peroxide	30	75	C	C	N	N	N	I	N	N	C	S	N
Lactic Acid	100	MAX	C	C	C	C	C	C	C	C	C	C	C
Lime Slurry	SAT	MAX	C	C	C	C	C	C	C	C	C	C	C
Lithium Chloride	SAT	MAX	N	C	N	N	N	N	N	N	N	N	N
Lithium Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	T	T
Magnesium Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Maleic Acid	100	MAX	C	C	S	S	I	C	I	S	C	S	I
Mercury Chloride	100	MAX	C	C	C	C	C	C	S	C	C	C	C
Nickel Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Nitric Acid	20	120	C	C	S	S	I	I	S	S	C	I	I
Nitric Acid	35	100	C	C	N	N	N	I	N	I	C	I	N
Nitric Acid	40	Ambient	I	C	N	N	N	N	N	N	I	N	N
Nitric, Hydrofluoric	20:2	75	I	C	N	N	N	N	N	N	I	N	N
Nitrous Acid	10	75	C	C	C	C	C	C	I	C	C	C	C
Ozone for Sewage Treatment		100	C	C	C	C	C	C	C	C	C	C	C
Perchloroethylene	100	75	S	C	N	N	N	I	N	N	S	I	N
Phenol	10	75	C	C	N	N	N	N	N	N	C	I	N
Phenol	88	Ambient	S	C	N	N	N	N	N	N	S	N	N
Phosphoric Acid	85	MAX	C	C	C	C	S	C	I	C	C	C	S
Phosphoric Acid, Super	115	MAX	C	C	I	I	T	S	N	I	C	S	N
Potassium Hydroxide	10	120	C	C	I	I	N	N	I	I	C	S	N
Potassium Salts	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Silver Nitrate	100	MAX	C	C	C	C	C	C	I	C	C	C	C
Sodium Cyanide	ALL	75	C	C	I	I	I	I	I	I	C	S	I
Sodium Hydroxide	50	MAX	C	C	I	I	N	N	I	I	C	I	N
Sodium Hydroxide	10	MAX	C	C	N	N	N	N	N	N	C	N	N
Sodium Hypochlorite (Stable)	10	100	C	C	S	S	I	S	S	S	C	S	I
Sodium Salts-Neutral	ALL	MAX	C	C	C	C	C	C	C	C	C	C	C
Sodium Salts-Aggressive	ALL	75	S	C	I	I	T	I	N	I	S	T	N
Sulfur Dioxide	SAT	MAX	C	C	S	S	S	S	S	S	C	S	S
Sulfuric Acid	25	MAX	C	C	S	S	I	S	S	S	C	S	I
Sulfuric Acid	50	MAX	C	C	S	S	N	S	I	S	C	S	N
Sulfuric Acid	75	100	C	C	I	I	N	I	N	I	C	I	N
Toluene	100	120	S	C	I	I	N	N	I	I	S	I	N
Trichloroethane1,1,1	ALL	75	S	C	I	I	N	I	N	I	S	I	N
Trisodium Phosphate	50	MAX	C	C	I	I	I	I	I	I	C	I	N
Water (Fresh, Salt, Moderate D.I.)	100	MAX	C	C	C	C	C	C	C	C	C	C	C
Wet Chlorine/Hydrochloric Acid	10-20	Up to 350	S	C	N	N	N	N	N	N	S	N	N
White Liquor (Pulp Mill)	ALL	MAX	C	C	I	I	N	I	I	I	C	S	N
Zinc Chloride Plating	ALL	75	C	C	S	S	N	S	I	S	C	S	N
Zinc Salts	100	MAX	C	C	C	C	C	C	C	C	C	C	C

C - Continuous exposure of the grating to the Chemical Environment listed at the temperature listed.
S - Frequent exposure of the grating to splashes and spills from the Chemical Environment listed with that environment at the temperature listed.
I - Infrequent exposure of the grating to splashes and spills from the Chemical Environment listed with that environment at the temperature listed and the spill immediately cleaned up or washed from the grating.
N - Not recommended for the concentrations and temperatures listed.
T - Test
Super ViCorr may require benzoyl peroxide-DMA cure system to increase service life.
Consult Fibergrate for corrosion recommendations at concentrations, temperatures or chemicals not listed in this guide.
MAX TEMP is 400˚F for Super ViCorr; 180˚ for ViCorr and Pultruded VEFR; 150˚ for IFR, FGI, XFR and Pultruded ISOFR; 140˚ for Corvex.
The information in this Corrosion Guide is correct to the best of Fibergrate's knowledge. It is based on extensive experience with fiberglass grating in corrosive applications. Because actual use conditions differ and mixtures of corrosives will occur in service, the end user must test for use under actual conditions. Fibergrate's responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material sold by Fibergrate. Test coupons are available upon specific request.

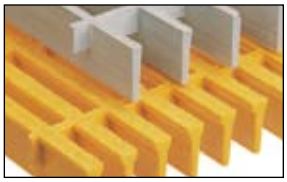
Fibergrate Products & Services



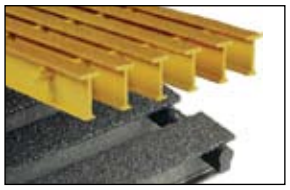
Fibergrate® Molded Grating

Fibergrate molded gratings are designed to provide the ultimate in reliable performance, even in the most demanding conditions. Fibergrate offers the widest selection in the market with more than ten resins including Chemgrate CP-84 and more than twenty grating configurations available in many panel sizes and surfaces.

RIGIDEX® Moltruded® Grating



RIGIDEX Moltruded gratings are the first fiberglass gratings to combine the corrosion resistance of molded grating with the longer span capacity of pultruded grating, all at the low cost of metal gratings.



Safe-T-Span® Pultruded Industrial and Pedestrian Gratings

Combining corrosion resistance, long-life and maintenance-free designs, Safe-T-Span provides unidirectional strength for industrial and pedestrian pultruded grating applications.

Dynarail® Handrail



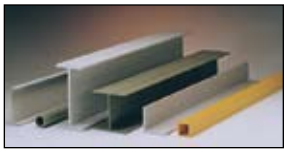
Easily assembled from durable prefabricated components or engineered to your specifications, Dynarail handrail meets or exceeds OSHA and strict building code requirements for safety and design.



Dynarail® Safe Ladder System

Easily assembled on site, Dynarail safety ladder systems meet or exceed OSHA requirements. Though less costly than prefabricated ladder systems, these safety ladders provide a custom fit to the supporting structure.

Dynaform® Structural Shapes



Fibergrate offers a wide range of pultruded structural components for industrial use, including bars, rods, tubes, beams, channels, leg angles and plates.



Stair Solutions

Fibergrate offers a wide range of slip-resistant products to meet your stair safety needs. These durable products which include treads, tread covers and covered stair treads are a long-term, cost-efficient solution for your facility.

Fabrication Services



Combining engineering expertise with an understanding of fiberglass applications, Fibergrate provides turnkey design and fabrication of fiberglass structures, including platforms, catwalks, stairways and test racks.

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Residential Services Department

7200 S. Huron River Drive
Ypsilanti, MI 48197

ytown.org

MEMORANDUM

To: Charter Township of Ypsilanti Board of Trustees

From: Mike Hoffmeister, Residential Services Director

Date: September 14, 2022

Subject: Request Authorization to bid roof, fascia, soffits and gutter improvements at the Parks & Grounds Maintenance Building

The Residential Services Department is requesting authorization to bid roof, fascia, soffits and gutter improvements at the Parks & Grounds Maintenance Building.

This is the next step is working through the eradication of the bats that have been discovered in that building. We've recently completed a deep clean and sealed holes and cracks within the building. We will also have to improve, seal off or replace the existing insulation.

This project includes installation of a shingle recovery system, metal trims and flashings, seal all gutter joints and replace all existing fascia, soffits, gutters and downspouts.

This project will come back to the board with a staff recommendation to award the project to a bidder in the near future.

Mike Hoffmeister
Residential Services Director
mhoffmeister@ytown.org
734-544-3515



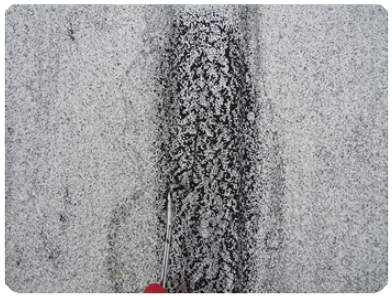
Leak damage



Leak damage



Roof is leaking throughout



Degraded repair



Degraded repair



Degraded repair



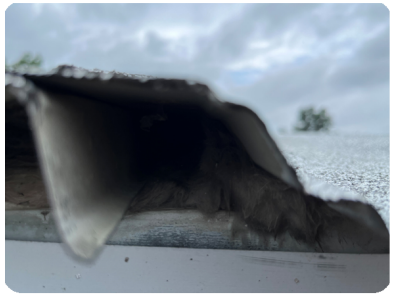
Spot rust



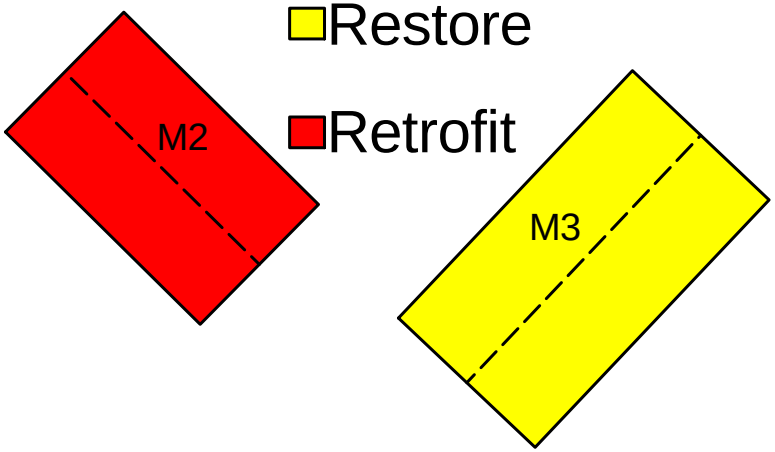
Spot rust



Openings for bats



Openings for bats



7200 S Huron	Total Square Feet	Year Installed	Top Membrane	Condition
M2	2,750	Unknown	Metal with Asphalt	Retrofit
M3	3,700	Unknown	Metal	Restore
Total:	6,450			

Deficiencies:
Leaks, failed repairs, and spot rust.

Recommendations:
Recommendation for roof M2:
-Install new insulation on existing metal substrate.
-Install a standing seam symmetrical metal panel roofing system atop the existing metal roof.

Recommendation for roof M3:
-Powerwash the roof at 2,500 psi.
-Scarify rust to tight rust. Replace loose or missing fasteners.
-Strip in all joints larger than 1/8" with a polyurethane mastic and reinforcement.
-Restore the roof with an asphalt based aluminum coating.

TREMCO

Ypsilanti Charter Township
7200 S Huron River Dr,
Ypsilanti, MI 48197

DATE: 08/04/2022
SCALE = Not to scale

DRAWN BY: LI

DIVISION 01 - GENERAL REQUIREMENTS

011000 Summary

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

070150.19 Preparation for Re-Roofing

074113.07 Metal Roof Panels, Standing Seam T-238

076200.02 Sheet Metal Flashing and Trim (Short Form)

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SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Access to site.
3. Coordination with occupants.
4. Work restrictions.
5. Specification and drawing conventions.

1.2 PROJECT INFORMATION

A. Facility Owner Information:

1. Owner Name: Ypsilanti Charter Township.

B. Facility Information:

1. Facility Name: Maintenance Garage.
2. Building Name: M2.
3. Building Location: 7200 S Huron River Dr Ypsilanti, MI 48197.

C. Project Information:

1. Project Name: Ypsilanti Charter Township M2 T-238 Retrofit.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. Roof Area M2::
   a. Area of Roof(s): 2,750 sq. ft.
   b. Slope of Existing Roof: 1 inch per 12 inches.
   c. Description of Work:

1) Re-roofing preparation specified in Division 07 Section "Preparation for Re-Roofing."

2) Existing roof rehabilitation specified in Division 07 Section 074113.07 - Metal Roof Panels, Standing Seam T-238.

d. Related Work:

B. Type of Contract:

1. Project will be constructed under a single prime contract.

1.4 ACCESS TO SITE

A. Use of Site, Limited: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.

1. Use of Site: Limit use of Project site to work in areas indicated and as directed by Owner. Do not disturb portions of Project site beyond areas in which the Work is indicated, including designated lay-down areas.

2. Driveways, Walkways and Entrances: Keep driveways, facility loading areas, and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

a. Schedule deliveries to minimize use of driveways and entrances by construction operations.

b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.5 COORDINATION WITH OCCUPANTS

A. Owner Occupancy: Owner will occupy site including existing and adjacent building(s) during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits unless otherwise indicated.

1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and approval of authorities having jurisdiction.

2. Notify Owner not less than 72 hours in advance of activities that will affect Owner's operations.

1.6 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

B. On-Site Work Hours: Limit work in the existing building to normal business working hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, unless otherwise indicated.

1. Weekend Hours: Coordinate with Ypsilanti Charter Township.

2. Early Morning Hours: Coordinate with Ypsilanti Charter Township.

C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others

D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy with Owner.

1. Notify Owner not less than two days in advance of proposed disruptive operations.

E. Nonsmoking Project: Use of tobacco products on the Project site is not permitted.

F. Controlled Substances: Use of other controlled substances on the Project site is not permitted.

G. Employee Identification: Provideidentification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.

H. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on Project site.

1. Maintain list of approved screened personnel with Owner's representative.

1.7 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.

2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 070150.19 - PREPARATION FOR RE-ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Roof retrofit preparation of entire roof system.
2. Removal and reinstallation of indicated components, accessories, and equipment.
3. Recycling of non-hazardous demolition and construction waste.

B. Related Information:

1. Division 01 Section "Summary" for use of the premises and phasing requirements, and for restrictions on use of the premises due to Owner or tenant occupancy.
2. Division 07 Section "Preconstruction Testing for Re-Roofing" for Contractor's responsibilities for performance of preconstruction testing of existing roof.
3. Division 07 Section "Roof Specialties" for manufactured roof edge/fascia systems, coping systems and manufactured reglets and counterflashings.

1.2 DESCRIPTION OF WORK

A. Re-roofing preparation Work consists of the following:

1. Preparation for Roof Area M2:
    a. Preparation for: Roof retrofit.
    b. Existing Roof Type: Exposed fastener metal..
    c. Salvaging of non-hazardous demolition and construction waste.
    d. Recycling of non-hazardous demolition and construction waste.
    e. Uplift securement.
    f. Temporary roof membrane.

1.3 MATERIALS OWNERSHIP

A. Except for items or materials indicated to be reused, reinstalled, or otherwise indicated to remain Owner's property, demolished materials shall become Contractor's property and shall be removed from Project site.

1.4 DEFINITIONS

A. Roofing Terminology: Refer to ASTM D1079 "Standard Terminology Relating to Roofing and Waterproofing" and glossary in applicable edition of NRCA's "The NRCA Roofing Manual: Membrane Roof Systems" for definition of terms related to roofing work in this Section.

B. Existing Roofing System: Roofing system identified above, including roof covering/membrane, roof insulation, surfacing, and components and accessories between deck and roof covering/membrane.

C. Full Roof Tear-Off: Removal of existing membrane roofing system from deck.

D. Roof Re-Cover Preparation: Existing roofing that is to remain and be prepared for installation of new roofing system over existing system.

E. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and reinstalled.

F. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.

G. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.

H. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.

I. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.

J. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.

1.5 PREINSTALLATION MEETINGS

A. Preliminary Roofing Conference: Before starting removal Work, conduct conference at Project site.

1. Coordinate with roofing preinstallation meetings specified in Division 07 roofing section(s).

2. Review methods and procedures related to roofing tear-off, including, but not limited to, the following:

a. Reroofing preparation, including roofing system manufacturer's written instructions.

b. Construction schedule and availability of materials, Installer's personnel, equipment, and facilities needed to avoid delays.

c. Existing roof deck conditions requiring Owner notification.

d. Existing roof deck removal procedures and Owner notifications.

e. Structural loading limitations of roof deck during reroofing.

f. Base flashings, special roofing details, drainage, penetrations, equipment curbs, and condition of other construction that affect reroofing.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: Installer of new metal roofing system.

B. Regulatory Requirements:

1. Comply with governing EPA notification regulations before beginning membrane roofing removal.

2. Comply with hauling and disposal regulations of authorities having jurisdiction.

1.7 PROJECT / FIELD CONDITIONS

A. Owner will occupy portions of building immediately below reroofing area.

1. Conduct reroofing so Owner's operations will not be disrupted.

2. Provide Owner with not less than 48 hours' written notice of activities that may affect Owner's operations.

3. Coordinate work activities daily with Owner so Owner can place protective dust or water leakage covers over sensitive equipment or furnishings, shut down HVAC and fire-alarm or -detection equipment if needed, and evacuate occupants from below the work area.

B. Protect building to be reroofed, adjacent buildings, walkways, site improvements, exterior plantings, and landscaping from damage or soiling from reroofing operations.

C. Limit construction loads on roof to rooftop equipment wheel loads and uniformly distributed loads not exceeding recommendations of Contractor's professional engineer based upon site inspection and analysis.

D. Weather Limitations: Proceed with reroofing preparation only when existing and forecasted weather conditions permit Work to proceed without water entering existing roofing system or building.

1. Remove only as much roofing in one day as can be made watertight in the same day.

E. Daily Protection: Coordinate installation of roofing so insulation and other components of roofing system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.

PART 2 - PRODUCTS

2.1 TEMPORARY PROTECTION MATERIALS

A. EPS Insulation: Molded (expanded) polystyrene, ASTM C578.

B. Plywood: NIST DOC PS 1, Grade CD, Exposure 1.

C. Oriented Strand Board (OSB): NIST DOC PS 2, Exposure 1.

2.2 DECK REPAIR/REPLACEMENT MATERIALS

A. Metal Deck Repair Materials:

1. Roof Deck: Fabricate panels, without top-flange stiffening grooves, to comply with "SDI Specifications and Commentary for Steel Roof Deck," in SDI Publication No. 31, and with the following:

a. Gage, rib depth, rib configuration to match existing; three span; lapped and stitched joints.

b. Sheet Steel: ASTM A653/A653M, Grade A structural quality; with G90 coating (galvanized).

2. Fasteners:

a. Mechanical Fasteners: Corrosion-resistant, low-velocity, power-actuated or pneumatically driven carbon-steel fasteners; or self-drilling, self-threading screws.

b. Side-Lap Fasteners: Corrosion-resistant, hexagonal washer head; self-drilling, carbon-steel screws, No. 10 (4.8 mm) minimum diameter.

3. Accessories: Provide manufacturer's standard accessory materials for deck that comply with requirements indicated.

2.3 ROOFING INFILL, PATCHING AND REPLACEMENT MATERIALS

A. Use roofing infill materials matching existing striated metal panel seam height.

B. Fasteners: Factory-coated steel fasteners with metal or plastic plates listed in FM Approvals' RoofNav, and acceptable to new roofing system manufacturer.

2.4 TEMPORARY ROOFING MATERIALS

A. Design and selection of materials for temporary roofing are responsibilities of Contractor.

2.5 TEMPORARY ROOF DRAINAGE

A. Design and selection of materials for temporary roof drainage are responsibilities of the Contractor.

2.6 AUXILIARY RE-ROOFING MATERIALS

A. General: Auxiliary reroofing preparation materials recommended by roofing system manufacturer for intended use and compatible with components of existing metal roofing system.

B. Metal Flashing Sheet: Metal flashing sheet is specified in Division 07 Section "Sheet Metal Flashing and Trim."

PART 3 - EXECUTION

3.1 PREPARATION, GENERAL

A. Seal or isolate windows that may be exposed to airborne substances created in removal of existing materials.

B. Shut off rooftop utilities and service piping before beginning the Work.

C. Test existing roof drains to verify that they are not blocked or restricted.

1. Immediately notify Owner of any blockages or restrictions.

D. Coordinate with Owner to shut down air-intake equipment in the vicinity of the Work.

1. Cover air-intake louvers before proceeding with reroofing work that could affect indoor air quality or activate smoke detectors in the ductwork.

E. Pollution Control: Comply with environmental regulations of authorities having jurisdiction. Limit spread of dust and debris.

1. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

2. Remove debris from building roof by chute, hoist, or other device that will convey debris to grade level.

F. Temporary Weather Protection: During removal operations, have sufficient and suitable materials on-site to facilitate rapid installation of temporary protection in the event of unexpected rain.

G. Roof Drain Protection: Maintain roof drains in functioning condition to ensure roof drainage at end of each workday.

1. If roof drains are temporarily blocked or unserviceable due to roofing system removal or partial installation of new membrane roofing system, provide alternative drainage method to remove water and eliminate ponding. Do not permit water to enter into or under existing membrane roofing system components that are to remain.

2. Prevent debris from entering or blocking roof drains and conductors.

a. Use roof-drain plugs specifically designed for this purpose.

b. Remove roof-drain plugs at end of each workday, when no work is taking place, or when rain is forecast.

3. If roof drains are temporarily blocked or unserviceable due to roofing system removal or partial installation of new membrane roofing system, provide alternative drainage method to remove water and eliminate ponding.

a. Do not permit water to enter into or under existing membrane roofing system components that are to remain.

3.2 DECK PREPARATION

A. Verify that deck is sound and dry.

B. If broken or loose fasteners that secure deck panels to one another or to structure are observed or if deck appears or feels inadequately attached, immediately notify Owner. Do not proceed with installation until directed by Owner.

C. Unsuitable Deck: If deck surface is not suitable for receiving new roofing or if structural integrity of deck is suspect, immediately notify Owner. Do not proceed with installation until directed by Owner.

3.3 DECK REPAIR/REPLACEMENT

A. Repair existing deck to provide smooth working surface for installation of roof system.

1. Replace deck that cannot be repaired to sound condition.

B. Metal Deck Reattachment:

1. Mechanically reattach loose sections of deck to steel support members 12 inches (300 mm) on center (at every other rib) and 6 inches (150 mm) on center (at every rib) in roof corner and roof perimeter areas.

2. Side Laps: Mechanically fasten 18 inches (450 mm) on center.

3. Mechanically fasten steel deck to supporting member at each deck side lap, regardless of spacing.

4. Overlap steel deck end laps minimum 2 inches (50 mm); mechanically attach at the above listed factors.

C. Metal Deck Replacement:

1. Remove defective metal decking and examine supports; if supports are unsound, notify Owner and obtain direction before proceeding with deck replacement.

2. Install new metal decking in accordance with SDI, Design Manual for Composite Decks, Form Decks, Roof Decks

3.4 TEMPORARY ROOFING MEMBRANE

A. Install approved temporary roofing membrane over area to be reroofed.

B. Remove temporary roofing membrane before installing new roofing membrane.

3.5 ROOF RE-COVER PREPARATION

3.6 ROOF REHABILITATION PREPARATION

A. Prepare existing roofing is specified Division 07 Section 074113.07 - Metal Roof Panels, Standing Seam T-238 "Rehabilitation of Metal Roofing".

3.7 RECYCLING OF DEMOLITION AND CONSTRUCTION WASTE

A. Recycling of Roof Membrane and Insulation: Cut membrane and other components into manageable size, and package for pickup and handling in accordance with recycling vendor's requirements.

B. Prevent other materials or debris from intermixing with recycled material.

3.8 DISPOSAL

A. Collect demolished materials and place in containers. Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.

1. Storage or sale of demolished items or materials on-site is not permitted.

B. Transport and legally dispose of demolished materials off Owner's property.

3.9 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by preparation for re-roofing operations. Return adjacent areas to condition existing before operations began.

END OF SECTION 070150.19

SECTION 074113.07 - METAL ROOF PANELS, STANDING SEAM

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Architectural standing-seam metal roof panels.
2. Metal roof accessories.
3. Roof insulation.
4. Miscellaneous metal framing.

B. Related Sections:

1. Division 07 Section "Sheet Metal Flashing and Trim" for field- or shop- formed fasciae, copings, flashings, roof drainage systems, and other sheet metal work not part of metal roof panel assemblies.

1.2 DEFINITIONS

A. Metal Roof Panel Assembly: Metal roof panels, attachment system components, miscellaneous metal framing, thermal insulation, and accessories necessary for a complete weathertight roofing system.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Meet with Owner, Owner's insurer if applicable, testing and inspecting agency representative, metal roof panel Installer, metal roof panel manufacturer's representative, substrate Installer, and installers whose work interfaces with or affects metal roof panels including installers of roof accessories and roof-mounted equipment.
2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
3. Review methods and procedures related to metal roof panel installation, including manufacturer's written instructions.
4. Examine substrate conditions for compliance with requirements, including flatness and attachment to structural members.
5. Review flashings, special roof details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect metal roof panels.

6. Review temporary protection requirements for metal roof panel assembly during and after installation.

7. Review roof observation and repair procedures after metal roof panel installation.

8. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of roof panel and accessory.

B. Shop Drawings: Show fabrication and installation layouts of metal roof panels; details of edge conditions, side-seam and endlap joints, panel profiles, corners, anchorages, trim, flashings, closures, and accessories; and special details specific to project, signed and sealed by the qualified professional engineer responsible for their preparation. Distinguish between factory- and field-assembled work.

C. Accessory Details: Include details of the following items:

1. Flashing and trim.

2. Pipe penetration flashings.

3. Roof curbs.

4. Gutters.

5. Downspouts.

D. Shop Drawings for Snow Guards: By snow guard manufacturer. Show fabrication and installation layouts and attachment to other construction.

E. Samples for Initial Selection: For each type of metal roof panel indicated with factory-applied color finishes.

1. Include similar Samples of trim and accessories involving color selection.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For metal roof panels to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: A manufacturer of plant-fabricated metal roof panel systems listed in this Section and meeting performance requirements, with a minimum of five years' experience providing metal roof panel systems for projects of similar type and scope, offering engineering, warranty, technical inspection, and maintenance inspection services specified.

B. Installer Qualifications: An employer of workers trained and certified by manufacturer, including a full-time on-site supervisor with a minimum of five years' experience installing similar work, able to communicate verbally with Contractor, Architect, and employees, and qualified by the manufacturer to furnish warranty of type specified.

1. Manufacturer's On-Site Roll Former Operators: Experienced full-time employees of metal roof panel manufacturer.

C. UL-Certified, Portable Roll-Forming Equipment: UL-certified, portable roll-forming equipment capable of producing metal panels warranted by manufacturer to be the same as factory-formed products. Maintain UL certification of portable roll-forming equipment for duration of work.

D. Manufacturer's Technical Representative Qualifications: An authorized full-time employee representative of manufacturer, certified as a Registered Roof Observer by the Roof Consultants Institute, and experienced in the installation and maintenance of the specified roof panel system and qualified to determine Installer's compliance with the requirements of this Project.

E. Source Limitations: Obtain metal roof panels and accessories and related engineered structural support members from a single source supplied or approved by metal roof panel manufacturer.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver components, sheets, metal roof panels, and other manufactured items so as not to be damaged or deformed. Package metal roof panels for protection during transportation and handling.

B. Unload, store, and erect metal roof panels in a manner to prevent bending, warping, twisting, and surface damage.

C. Stack metal roof panels on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal roof panels to ensure dryness. Do not store metal roof panels in contact with other materials that might cause staining, denting, or other surface damage.

D. Protect strippable protective covering on metal roof panels from exposure to sunlight and high humidity, except to extent necessary for period of metal roof panel installation.

E. Protect foam-plastic insulation as follows:

1. Do not expose to sunlight, except to extent necessary for period of installation and concealment.

2. Protect against ignition at all times. Do not deliver foam-plastic insulation materials to Project site before installation time.

3. Complete installation and concealment of plastic materials as rapidly as possible in each area of construction.

1.8 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit metal roof panel work to be performed according to manufacturer's written instructions and warranty requirements.

B. Field Measurements: Verify actual dimensions of construction contiguous with metal roof panels by field measurements before fabrication.

1.9 COORDINATION

A. Coordinate sizes and locations of roof curbs, equipment supports, and roof penetrations with actual equipment provided.

B. Coordinate metal roof panels with rain drainage work, flashing, trim, and construction of substrate, parapets, walls, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.10 WARRANTY

A. Manufacturer's Warranty: Roof System Manufacturer's standard form in which Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within warranty period, as follows.

1. Form of Warranty: Manufacturer's standard warranty form.

2. Scope of Warranty: Work of this Section and including sheet metal details and termination details installed by the roof system Installer and approved by the Roof System Manufacturer.

3. Warranty Period: 20 years from date of completion.

B. Metal Finishes: Written warranty in which Manufacturer agrees to repair finish or replace factory-finished components that show evidence of deterioration of factory-applied finishes under normal atmospheric conditions within specified warranty period.

1. Color fading, ASTM D 2244: Greater than 5 Hunter units.

2. Chalking, ASTM D 4214: Greater than a No. 8 rating.

3. Finish breakdown: Cracking, checking, peeling, or adhesive failure.

4. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design Manufacturers/Products: Subject to compliance with requirements, provide products by one of the following manufacturers comparable to the Basis of Design product specified:

1. Tremco, Inc., Beachwood, OH, (800) 562-2728, www.tremcoroofing.com.

B. Available Manufacturers/Products: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Tremco, Inc., Beachwood, OH, (800) 562-2728, www.tremcoroofing.com.

2.2 PERFORMANCE REQUIREMENTS

A. General Performance: Metal roof panels shall comply with performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction.

B. FM Approvals Listing: Provide metal roof panels and component materials that comply with requirements in FM Approvals 4471 as part of a panel roofing system and that are listed in FM Approvals' "RoofNav" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Approvals markings.

1. Hail Resistance: SH Class 4.

C. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.

1. Uplift Rating: UL 90.

D. Hail Resistance: Provide metal roof panel assemblies listed with UL as Class 4 hail resistant panels.

E. Air Infiltration: Air leakage through assembly of not more than the following when tested according to ASTM E 1680, based upon 16 inch (406 mm) wide panel:

1. Maximum 0.0001 cfm/sq. ft. (0.001 L/s x sq. m) of roof area at test-pressure difference of - 1.57 lbf/sq. ft.(-75.2 Pa).

2. Maximum 0.0028 cfm/sq. ft. (0.0028 L/s x sq. m) of roof area at test-pressure difference of - 20.00 lbf/sq. ft.(- 958 Pa).

F. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 1646 at the following test-pressure difference:

1. Test-Pressure Difference: 20.00 lbf/sq. ft. (958 Pa).

G. Hydrostatic-Head Resistance: No water penetration when tested according to ASTM E 2140.

H. Thermal Movements: Allow for thermal movements resulting from ambient and surface temperature changes. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.3 ARCHITECTURAL STANDING-SEAM METAL ROOF PANELS

A. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.

1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1514.

B. Vertical-Rib, Seamed-Joint, Standing-Seam Metal Roof Panels: Factory-formed symmetrical panels with vertical ribs at panel edges and flat pan between ribs; designed for sequential installation in either direction by mechanically attaching panels to supports using concealed clips located under one side of panels and engaging opposite edge of adjacent panels, and mechanically seaming panels together utilizing a seam cap, and configured to enable future replacement of individual panels without disturbing adjacent panels.

1. Basis-of-Design Product: Tremco, Inc., TremLock T-238.

2. Aluminum-Zinc Alloy-Coated Steel Sheet: ASTM A 792/A 792M, Class AZ50 coating designation, Grade 50 (Class AZM150 coating designation, Grade 340),; structural quality.

a. Thickness: 0.0236-inch/24 ga. (0.71-mm) minimum thickness.

b. Surface: Smooth, flat finish.

c. Color: Silver Metallic.

3. Clips: Low-movement floating clips to accommodate thermal movement; fixed clips where design permits; intermittent or continuous clips as required to meet performance requirements; and with clip bearing plate where required.

a. Material: 0.064-inch- (1.63-mm-) nominal thickness, zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet.

4. Joint Type: Field mechanically seamed, with continuous factory-applied sealant.

5. Seam Cap: Match panel material and finish; provide with two rows of integral factory hot-applied sealant.

6. Panel Pan Configuration: Flat pan.

7. Panel Seam Height: Not less than 2-3/8 inch (60.3 mm).

8. Panel Coverage: 18 inches (457 mm).

2.4 METAL ROOF ACCESSORIES

A. Metal Roof Accessories, General: Provide components approved by roof panel manufacturer and as required for a complete metal roof panel assembly including trim, copings, fasciae, corner units, ridge closures, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal roof panels unless otherwise indicated.

1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal roof panels.

2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.

B. Flashing and Trim: Formed from same material as roof panels, prepainted with coil coating, minimum 0.028 inch (0.71 mm) thick. Provide flashing and trim as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal roof panels.

C. Pipe Penetration Flashings: Flexible boot type, with stainless steel compression ring, and stainless steel pipe strap. Use silicone-type boot at hot pipes.

D. Gutters: Formed from same material roof panels. Match profile of gable trim, complete with end pieces, outlet tubes, and other special pieces as required. Fabricate in minimum 96-inch- (2400-mm-) long sections, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Furnish gutter supports spaced a maximum of 36 inches (900 mm) o.c., fabricated from same metal as gutters. Provide wire ball strainers of compatible metal at outlets. Finish gutters to match metal roof panels.

E. Downspouts: Formed from same material as roof panels. Fabricate in 10-foot- (3-m-) long sections, complete with formed elbows and offsets, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Finish downspouts to match gutters.

F. Pipe Penetration Flashing: Premolded EPDM pipe collar with flexible aluminum ring bonded to base and stainless steel pipe clamp to secure collar to pipe.

G. Roof Curbs: Fabricated from aluminum sheet, minimum 0.080 inch (1.2 mm) thick; with bottom of skirt profiled to match roof panel profiles, and welded top box, integral internal fastener flange, and water diverter. Fabricate curb subframing of minimum 0.0598-inch- (1.5-mm-) thick, angle-, C-, or Z-shaped galvanized steel sheet. Fabricate curb and subframing to withstand indicated loads, of size and height indicated. Finish roof curbs to match metal roof panels.

1. Insulate roof curb with 1-inch- (25-mm-) thick, rigid insulation.

H. Snow Guards: Prefabricated, noncorrosive units designed to be installed without penetrating metal roof panels, and complete with predrilled holes, clamps, or hooks for anchoring.

1. Seam-Mounted, Bar-Type Snow Guards: Aluminum rods or bars held in place by stainless-steel clamps attached to vertical ribs of standing-seam metal roof panels.

a. LM Curbs; S-5 SnoFence.

2.5 FIELD-INSTALLED THERMAL INSULATION

A. Faced, Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 2 glass-fiber mat, Grade 3, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, based on tests performed on unfaced core. 0.02 perm (1.15 ng/Pa x s x sq. m). FM Approvals 4450/4470 approved. CFC-, HCFC-, and HFC- free.

1. Insulation Seam Tape: Manufacturer's recommended tape compatible with insulation facing and with adjacent air barrier transition material.

B. Metal Building Insulation: ASTM C 991, Type II, glass-fiber-blanket insulation; 0.5-lb/cu. ft. (8-kg/cu. m) density; 2-inch- (50-mm-) wide, continuous, vapor-tight edge tabs; and with a flame-spread index of 25 or less.

1. Insulation Retainer Strips: 0.019-inch- (0.48-mm-) thick, formed, galvanized-steel or PVC retainer clips colored to match insulation facing.

2. Thermal Spacer Blocks: Fabricated from extruded polystyrene, 1 inch (25 mm) thick.

3. Facing Tape: Insulation manufacturer's recommended facing seam tape.

2.6 UNDERLAYMENT MATERIALS

A. Slip Sheet: Manufacturer's recommended slip sheet, of type required for application.

2.7 MISCELLANEOUS METAL FRAMING

A. Miscellaneous Metal Framing, General: ASTM C 645, cold-formed metallic-coated steel sheet, ASTM A 653/A 653M, G60 (Z180) hot-dip galvanized or coating with equivalent corrosion resistance unless otherwise indicated.

B. Zee Clips: 0.079-inch (2.01-mm) nominal thickness.

C. Base or Sill Channels: 0.079-inch (2.01-mm) nominal thickness.

D. Hat-Shaped, Rigid Furring Channels:

1. Nominal Thickness: As required to meet performance requirements, but not less than 0.025 inch (0.64 mm).

2. Depth: As indicated.

E. Z-Shaped Furring: With slotted or nonslotted web, face flange of 1-1/4 inches (32 mm), wall attachment flange of 7/8 inch (22 mm), and depth required to fit insulation thickness indicated.

1. Nominal Thickness: As indicated.

F. Fasteners for Miscellaneous Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten miscellaneous metal framing members to substrates.

2.8 MISCELLANEOUS MATERIALS

A. Panel Fasteners: Self-tapping screws, bolts, nuts, self-locking rivets and bolts, end-welded studs, and other suitable fasteners designed to withstand design loads. Provide exposed fasteners with heads matching color of metal roof panels by means of plastic caps or factory-applied coating. Provide EPDM, PVC, or neoprene sealing washers.

2.9 FABRICATION

A. Fabricate and finish metal roof panels and accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes and as necessary to fulfill indicated performance requirements. Comply with indicated profiles and with dimensional and structural requirements.

B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using UL-certified, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.

C. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.

D. Fabricate metal roof panel side laps with factory-installed captive gaskets or separator strips that provide a tight seal and prevent metal-to-metal contact, in a manner that will seal weathertight and minimize noise from movements within panel assembly.

E. Sheet Metal Accessories: Fabricate flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to the design, dimensions, metal, and other characteristics of item indicated.

1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.

2. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.

3. Fabricate cleats and attachment devices of size and metal thickness recommended by SMACNA's "Architectural Sheet Metal Manual" or by metal roof panel manufacturer for application, but not less than thickness of metal being secured.

2.10 FINISHES

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 -

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal roof panel supports, and other conditions affecting performance of the Work.

1. Examine primary and secondary roof framing to verify that rafters, purlins, angles, channels, and other structural panel support members and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer.

2. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean substrates of substances harmful to insulation, including removing projections capable of interfering with insulation attachment.

B. Miscellaneous Framing: Install subpurlins, eave angles, furring, and other miscellaneous roof panel support members and anchorage according to metal roof panel manufacturer's written instructions.

3.3 THERMAL INSULATION INSTALLATION

A. Comply with insulation manufacturer's written instructions applicable to products and application indicated. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to ice, rain, and snow. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.

B. Rigid Board Insulation: Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch (6 mm) with insulation.

1. Cut and fit insulation within 1/4 inch (6 mm) of nailers, projections, and penetrations.

2. Seam Tape: Tape seams of board insulation to form unbroken air barrier across plane of insulation. Repair damaged facing with seam tape.

3.4 METAL ROOF PANEL INSTALLATION, GENERAL

A. Provide metal roof panels of full length from eave to ridge unless otherwise indicated or restricted by shipping limitations.

B. Thermal Movement. Rigidly fasten metal roof panels to structure at one and only one location for each panel. Allow remainder of panel to move freely for thermal expansion and contraction. Predrill panels for fasteners.

1. Point of Fixity: Fasten each panel along a single line of fixing located at eave.

2. Avoid attaching accessories through roof panels in a manner that will inhibit thermal movement.

C. Install metal roof panels as follows:

1. Commence metal roof panel installation and install minimum of 300 sq. ft. (27.8 sq. m) in presence of factory-authorized representative.

2. Field cutting of metal panels by torch or abrasive saw is not permitted.

3. Install panels perpendicular to supporting purlins.

4. Locate and space fastenings in uniform vertical and horizontal alignment.

5. Provide metal closures at rake edges, rake walls, and each side of ridge and hip caps.

6. Flash and seal metal roof panels with weather closures at eaves, rakes, and perimeter of all openings.

7. Install ridge and hip caps as metal roof panel work proceeds.

8. End Splices: Locate panel end splices over, but not attached to, structural supports. Stagger panel end splices to avoid a four-panel splice condition.

9. Install metal flashing to allow moisture to run over and off metal roof panels.

D. Fasteners:

1. Steel Roof Panels: Use stainless-steel fasteners for surfaces exposed to the exterior and galvanized-steel fasteners for surfaces exposed to the interior.

E. Anchor Clips: Anchor metal roof panels and other components of the Work securely in place, using manufacturer's approved fasteners according to manufacturers' written instructions.

F. Metal Protection: Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating, by

applying rubberized-asphalt underlayment to each contact surface, or by other permanent separation as recommended by metal roof panel manufacturer.

1. Use slip sheet where roof panels will contact wood, ferrous metal, or cementitious construction.

G. Joint Sealers: Install gaskets, joint fillers, and sealants where indicated and where required for weatherproof performance of metal roof panel assemblies. Provide types of gaskets, fillers, and sealants indicated or, if not indicated, types recommended by metal roof panel manufacturer.

1. Seal metal roof panel end laps with double beads of tape or sealant, full width of panel. Seal side joints where recommended by metal roof panel manufacturer.

2. Prepare joints and apply sealants to comply with requirements in Division 07 Section "Joint Sealants."

3.5 METAL ROOF PANEL INSTALLATION

A. Standing-Seam Metal Roof Panels: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended by manufacturer.

1. Install clips to supports with self-tapping fasteners.

2. Install pressure plates at locations indicated in manufacturer's written installation instructions.

3. Erection Tolerances: Shim and align metal roof panel units within installed tolerance of 1/4 inch in 20 feet (1:960) on slope and location lines as indicated and within 1/8 inch (3 mm) offset of splices and alignment of matching profiles.

4. Seamed Joint: Crimp standing seams with manufacturer-approved, motorized seamer tool so clip, metal roof panel, and factory-applied sealant are completely engaged.

5. Watertight Installation:

a. Apply a continuous ribbon of sealant or tape to seal joints of metal panels, using sealant or tape as recommend in writing by manufacturer as needed to make panels watertight.

b. Provide sealant or tape between panels and protruding equipment, vents, and accessories.

3.6 ACCESSORY INSTALLATION

A. General: Install accessories with positive anchorage to building and weathertight mounting

1. Install components required for a complete metal roof panel assembly including trim, copings, ridge closures, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items.

B. Flashing and Trim: Comply with performance requirements and manufacturer's written installation instructions. Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

1. Form trim and transition joints using compressed joints with captive butyl sealant capable of resisting static water pressure. Cleated joints and exposed joint sealants do not meet this requirement.

2. Install exposed flashing and trim that is without excessive oil canning, buckling, and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and to result in waterproof and weather-resistant performance.

3. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 feet (3 m) with no joints allowed within 24 inches (600 mm) of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently weather resistant and waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with mastic sealant (concealed within joints).

C. Gutters: Join sections with riveted and soldered or lapped, riveted, and sealed joints. Attach gutters to eave with gutter hangers spaced not more than 36 inches (914 mm) o.c. using manufacturer's standard fasteners. Provide end closures and seal watertight with sealant. Provide for thermal expansion.

D. Downspouts: Join sections with telescoping joints. Provide fasteners designed to hold downspouts securely 1 inch (25 mm) away from walls; locate fasteners at top and bottom and at approximately 60 inches (1500 mm) o.c. in between.

1. Provide elbows at base of downspouts to direct water away from building.

2. Connect downspouts to underground drainage system indicated.

E. Pipe Flashing: Form flashing around pipe penetration and metal roof panels. Fasten and seal to metal roof panels as recommended by manufacturer.

F. Bar-Type Snow Guards: Attach bar supports to vertical ribs of standing-seam metal roof panels with clamps or set screws in array recommended by snow guard manufacturer. Do not use fasteners that will penetrate metal roof panels.

3.7 FIELD QUALITY CONTROL

A. Manufacturer’s Technical Representative: Engage a qualified manufacturer’s technical representative acceptable to Owner for a minimum of 5 full-time days on site to perform substrate examination, interim observations, and final roof inspections, and to prepare reports.

B. Remove and replace applications of metal roof panels where inspections indicate that they do not comply with specified requirements.

C. Additional inspections, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.8 CLEANING

A. Remove temporary protective coverings and strippable films, if any, as metal roof panels are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of metal roof panel installation, clean finished surfaces as recommended by metal roof panel manufacturer. Maintain in a clean condition during construction.

B. Replace metal roof panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 074113.07

SECTION 076200.02 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Roof drainage sheet metal fabrications.
2. Low-slope roof sheet metal fabrications.
3. Miscellaneous sheet metal flashing and trim.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each manufactured product and accessory.

B. Shop Drawings: For sheet metal flashing and trim.

1. Include plans, elevations, sections, and attachment details.
2. Include identification of material, thickness, weight, and finish for each item and location in Project.
3. Indicate details meet requirements of SMACNA and NRCA required by this Section.
4. Detail formed flashing and trim at scale of not less than 1-1/2 inches per 12 inches (1:10).

1.3 CLOSEOUT SUBMITTALS

A. Warranties: Manufacturer's executed warranty documents. Submit prior to acceptance of Work.

1.4 QUALITY ASSURANCE

A. Fabricator Qualifications: Employs skilled workers who custom fabricate sheet metal flashing and trim similar to that required for this Project and whose products have a record of successful in-service performance.

1. For copings and roof edge flashings that are SPRI ES-1 tested; fabrication shop shall be listed as able to fabricate required details as tested and approved.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Do not store sheet metal flashing and trim materials in contact with other materials that might cause staining, denting, or other surface damage. Store sheet metal flashing and trim materials away from uncured concrete and masonry.

B. Protect strippable protective covering on sheet metal flashing and trim from exposure to sunlight and high humidity, except to extent necessary for period of sheet metal flashing and trim installation.

1.6 WARRANTY

A. Refer to warranty requirements of Division 07 Section 074113.07 - Metal Roof Panels, Standing Seam T-238 for terms and conditions of warranties covering work of this Section.

B. Special Warranty on Finishes: Manufacturer agrees to repair finish or replace sheet metal flashing and trim that shows evidence of deterioration of factory-applied finishes within specified warranty period.

1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:

a. Color fading more than 5 Hunter units when tested according to ASTM D 2244.

b. Chalking in excess of a No. 8 rating when tested according to ASTM D 4214.

c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.

2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. General: Sheet metal flashing and trim assemblies shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.

B. Sheet Metal Standard for Flashing and Trim: Comply with NRCA's "The NRCA Roofing Manual" and SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.

C. Flashings and Fastening: Comply with requirements of Division 07 roofing sections. Provide base flashings, perimeter flashings, detail flashings and component materials and installation techniques that comply with requirements and recommendations of the following:

1. NRCA: "The NRCA Roofing Manual" for construction details and recommendations.

D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects.

2.2 SHEET METALS

A. General: Protect mechanical and other finishes on exposed surfaces from damage by applying strippable, temporary protective film before shipping.

B. Aluminum Sheet: ASTM B 209 (ASTM B 209M), alloy as standard with manufacturer for finish required, with temper as required to suit forming operations and performance required; with smooth, flatsurface.

1. Basis of Design Product: Tremco, Inc., TremLock Sheet.

2. Factory Prime Coating: Where painting after installation is required, pretreat metal with white or light-colored, factory-applied, baked-on epoxy primer coat; minimum dry film thickness of 0.2 mil (0.005 mm).

3. Color Anodic Finish, Coil Coated: AAMA 611, AA-M12C22A42/A44, Class I, 0.018 mm or thicker.

a. Color: Silver Metallic.

2.3 UNDERLAYMENT MATERIALS

A. Self-Adhering, High-Temperature Sheet: Minimum 30 mils (0.76 mm) thick, consisting of a slip-resistant polyethylene- or polypropylene-film top surface laminated to a layer of butyl- or SBS-modified asphalt adhesive, with release-paper backing; specifically designed to withstand high metal temperatures beneath metal roofing. Provide primer according to written recommendations of underlayment manufacturer.

1. Low-Temperature Flexibility: ASTM D 1970; passes after testing at minus 20 deg F (29 deg C) or lower.

B. Slip Sheet: Rosin-sized building paper, 3 lb/100 sq. ft. (0.16 kg/sq. m) minimum.

2.4 MISCELLANEOUS MATERIALS

A. General: Provide materials and types of fasteners, solder, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and as recommended by manufacturer of primary sheet metal or manufactured item unless otherwise indicated.

B. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal or manufactured item.

1. General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.

a. Exposed Fasteners: Heads matching color of sheet metal using plastic caps or factory-applied coating. Provide metal-backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.

b. Blind Fasteners: High-strength aluminum or stainless-steel rivets suitable for metal being fastened.

c. Spikes and Ferrules: Same material as gutter; with spike with ferrule matching internal gutter width.

2. Fasteners for Aluminum Sheet: Aluminum or Series 300 stainless steel.

C. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch (13 mm) wide and 1/8 inch (3 mm) thick.

D. Elastomeric Sealant: ASTM C 920, elastomeric polyurethane at concealed joints and silicone at exposed joints; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.

E. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type expansion joints with limited movement.

2.5 FABRICATION, GENERAL

A. General: Custom fabricate sheet metal flashing and trim to comply with details shown and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required. Fabricate sheet metal flashing and trim in shop to greatest extent possible.

1. Fabricate sheet metal flashing and trim in thickness or weight needed to comply with performance requirements, but not less than that specified for each application and metal.

2. Obtain field measurements for accurate fit before shop fabrication.

3. Form sheet metal flashing and trim to fit substrates without excessive oil canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.

4. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.

B. Fabrication Tolerances: Fabricate sheet metal flashing and trim that is capable of installation to a tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines indicated on Drawings and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.

C. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.

1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with butyl sealant concealed within joints.

D. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal to provide for proper installation of elastomeric sealant according to cited sheet metal standard.

E. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.

F. Fabricate cleats and attachment devices of sizes as recommended by cited sheet metal standard for application, but not less than thickness of metal being secured.

G. Seams, Soldered: Fabricate nonmoving seams with flat-lock seams. Tin edges to be seamed, form seams, and solder.

H. Do not use graphite pencils to mark metal surfaces.

2.6 ROOF-DRAINAGE SHEET METAL FABRICATIONS

A. Fabricate to cross section required, complete with end pieces, outlet tubes, and other accessories as required. Fabricate in minimum 96-inch- (2400-mm-) long sections. Furnish flat-stock gutter brackets and gutter spacers and straps fabricated from same metal as gutters, of size recommended by cited sheet metal standard, but with thickness not less than twice the gutter thickness. Fabricate expansion joints, expansion-joint covers, and gutter accessories from same metal as gutters. Shop fabricate interior and exterior corners.

1. Gutter Profile: Selected from SMACNA Manual profiles.

2. Expansion Joints: Butt type with concealed splice plate.

3. Gutters with Girth up to 15 Inches (380 mm): Fabricate from the following materials:

   a. Aluminum: 0.032 inch (0.81 mm) thick.

   b. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.022 inch (0.56 mm) thick.

4. Gutters with Girth 16 to 20 Inches (410 to 510 mm): Fabricate from the following materials:

   a. Aluminum: 0.040 inch (1.02 mm) thick.

   b. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.

5. Gutters with Girth 21 to 25 Inches (530 to 640 mm): Fabricate from the following materials:

   a. Aluminum: 0.050 inch (1.27 mm) thick

b. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.

6. Gutters with Girth 26 to 30 Inches (660 to 760 mm): Fabricate from the following materials:

a. Aluminum: 0.063 inch (1.60 mm) thick.

b. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.040 inch (1.02 mm) thick.

B. Downspouts: Fabricate rectangular downspouts to dimensions indicated, complete with mitered elbows. Furnish with metal hangers from from same material as downspouts and anchors. Shop fabricate elbows.

1. Fabricated Hanger Style: As selected from SMACNA Manual styles.

2. Fabricate from the following materials: Matching downspout.

2.7 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

A. Copings: Fabricate in minimum 96-inch- (2400-mm-) long, but not exceeding 12-foot- (3.6-m-) long, sections. Fabricate joint plates of same thickness as copings. Furnish with continuous cleats to support edge of external leg and drill elongated holes for fasteners on interior leg. Miter corners, fasten and seal watertight. Shop fabricate interior and exterior corners.

1. Coping Profile: As indicated, or if not indicated, as selected from SMACNA Manual profiles.

2. Joint Style: Butted with expansion space and 6-inch-(150-mm-)wide, concealed splice plate.

3. Fabricate from the Following Materials:

a. Aluminum: 0.050 inch (1.27 mm) thick.

b. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.040 inch (1.02 mm) thick.

B. Base Flashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:

1. Aluminum: 0.040 inch (1.02 mm) thick.

2. Stainless Steel: 0.019 inch (0.48 mm) thick.

3. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel:: 0.028 inch (0.71 mm) thick.

C. Flashing Receivers: Fabricate from the following materials:

1. Aluminum: 0.032 inch (0.81 mm) thick.

2. Stainless Steel: 0.019 inch (0.48 mm) thick.

3. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.022 inch (0.56 mm) thick.

D. Roof-Penetration Flashing: Fabricate from the following materials:

1. Stainless Steel: 0.019 inch (0.48 mm) thick.

2. Galvanized Steel or Aluminum-Zinc Alloy-Coated Steel: 0.028 inch (0.71 mm) thick.

3. Lead: 4 lb (1.8 kg).

PART 3 - EXECUTION

3.1 UNDERLAYMENT INSTALLATION

A. Self-Adhering Sheet Underlayment: Install self-adhering sheet underlayment, wrinkle free. Prime substrate if recommended by underlayment manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation; use primer for installing underlayment at low temperatures. Apply in shingle fashion to shed water, with end laps of not less than 6 inches (150 mm) staggered 24 inches (600 mm) between courses. Overlap side edges not less than 3-1/2 inches (90 mm). Roll laps and edges with roller. Cover underlayment within 14 days.

3.2 INSTALLATION, GENERAL

A. Install sheet metal flashing and trim to comply with details indicated and recommendations of cited sheet metal standard that apply to installation characteristics required unless otherwise indicated on Drawings.

1. Space cleats not more than 12 inches (300 mm) apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.

2. Do not use graphite pencils to mark metal surfaces.

B. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.

1. Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.

C. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at maximum of 10 feet (3 m) with no joints within 24 inches (600 mm) of corner or intersection.

D. Fasteners: Use fastener sizes that penetrate wood blocking or sheathing not less than 1-1/4 inches (32 mm) for nails and not less than 3/4 inch (19 mm) for wood screws.

E. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.

F. Seal joints as required for watertight construction.

1. Use sealant-filled joints unless otherwise indicated. Embed hooked flanges of joint members not less than 1 inch (25 mm) into sealant. Form joints to completely conceal sealant. When ambient temperature at time of installation is between 40 and 70 deg F (4 and 21 deg C), set joint members for 50 percent movement each way. Adjust setting proportionately for installation at higher ambient temperatures. Do not install sealant-type joints at temperatures below 40 deg F (4 deg C).

2. Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."

G. Soldered Joints: Clean surfaces to be soldered, removing oils and foreign matter. Pre-tin edges of sheets with solder to width of 1-1/2 inches (38 mm); however, reduce pre-tinning where pre-tinned surface would show in completed Work.

1. Do not solder metallic-coated steel and aluminum sheet.

2. Do not use torches for soldering.

3.3 ROOF-DRAINAGE SYSTEM INSTALLATION

A. Hanging Gutters: Join sections with joints sealed with sealant. Provide for thermal expansion. Attach gutters at eave or fascia to firmly anchor them in position. Provide end closures and seal watertight with sealant. Slope to downspouts.

1. Install continuous gutter screens on gutters with noncorrosive fasteners, removable for cleaning gutters.

B. Downspouts: Join sections with 1-1/2-inch (38-mm) telescoping joints.

1. Provide hangers with fasteners designed to hold downspouts securely to walls. Locate hangers at top and bottom and at approximately 60 inches (1500 mm) o.c.

2. Provide elbows at base of downspout to direct water away from building.

3.4 ROOF FLASHING INSTALLATION

A. Install sheet metal flashing and trim to comply with performance requirements and cited sheet metal standard.

1. Provide concealed fasteners where possible, and set units true to line, levels, and slopes.

2. Install work with laps, joints, and seams that are permanently watertight and weather resistant.

B. Roof Edge Flashing:

1. Install roof edge flashings in accordance with ANSI/SPRI/FM 4435/ES-1.

C. Copings:

1. Install copings in accordance with ANSI/SPRI/FM 4435/ES-1.

D. Pipe or Post Counterflashing: Install counterflashing umbrella with close-fitting collar with top edge flared for elastomeric sealant, extending minimum of 4 inches (100 mm) over base flashing. Install stainless-steel draw band and tighten.

E. Counterflashing: Coordinate installation of counterflashing with installation of base flashing. Insert counterflashing in reglets or receivers and fit tightly to base flashing.

1. Insert counterflashing in reglets or receivers and fit tightly to base flashing.

2. Extend counterflashing 4 inches (100 mm) over base flashing.

3. Lap counterflashing joints minimum of 4 inches (100 mm).

F. Roof-Penetration Flashing: Coordinate installation of roof-penetration flashing with installation of roofing and other items penetrating roof. Seal with sealant and clamp flashing to pipes that penetrate roof.

3.5 ERECTION TOLERANCES

A. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerance of 1/4 inch in 20 feet (6 mm in 6 m) on slope and location lines indicated on Drawings and within 1/8-inch (3-mm) offset of adjoining faces and of alignment of matching profiles.

3.6 CLEANING AND PROTECTION

A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.

B. Clean and neutralize flux materials. Clean off excess solder.

C. Clean off excess sealants.

D. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of sheet metal flashing and trim installation, remove unused materials and clean finished surfaces as recommended by sheet metal flashing and trim manufacturer. Maintain sheet metal flashing and trim in clean condition during construction.

E. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 076200.02

TremLock T-238

INSTALLATION MANUAL



T-238

TREMCO
ROOFING & BUILDING MAINTENANCE

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GENERAL NOTES

The details shown on the following pages are suggestions or guidelines for installing the T-238 roof panel system. The installation details shown here are proven methods of construction, but they are not intended to cover all building requirements, designs or codes. The details may require changes or revisions due to individual project conditions. In addition, other details may be perfectly acceptable for use. Please contact Tremco Roofing for assistance in determining if a detail is acceptable.

Installation procedures shall be in accordance with the manufacturer's printed instructions, details or approved shop drawings. Installers should thoroughly familiarize themselves with all instructions prior to beginning the installation process.

The designer/installer is responsible to ensure the following:

That the details here meet the particular building requirements.

Awareness of and allowance for expansion/contraction of the roof panels.

That adequate water tightness is maintained.

That a proper uniform substructure is used to avoid panel distortion and that the substructure meets necessary code requirements.

That all supporting members have been examined and are straight, level and plumb.

Tremco Roofing can provide all flashings and accessories shown in the installation drawings unless noted otherwise. Panels, flashing and trim shall be installed true and in proper alignment with any exposed fasteners equally spaced for the best appearance. Sealant shall be field applied on a clean, dry surface.

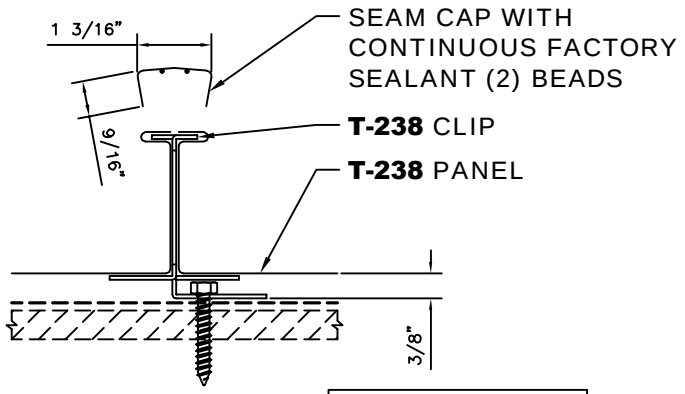
Some field cutting and fitting of panels and flashings is to be expected and to be considered a part of normal installation work. Workmanship shall be of the best industry standards and with installation performed by experienced metal craftsmen.

Oil canning of metal panels is inherent in the product and is not a cause for rejection. Plank or Striated panels are recommended as to reduce the appearance of oil canning.

Contents of this manual are subject to change without notice. To confirm this book is the most current copy, please visit Tremco Roofing's website at www.tremcoroofing.com.

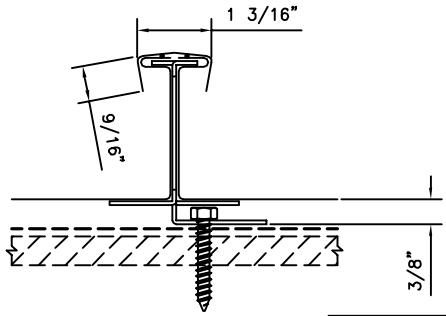
Optional details can also be found on our website.

T-238 GENERAL INFORMATION



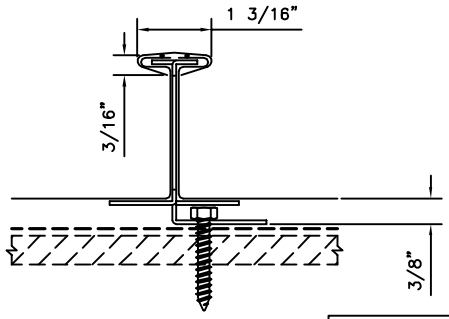
SEAM ENGAGEMENT

NOTE:
ALL DIMENSIONS ARE APPROXIMATE. SLIGHT DIFFERENCES IN THE FIELD ARE ACCEPTABLE.



BEFORE SEAMING

NOTE:
ALL DIMENSIONS ARE APPROXIMATE. SLIGHT DIFFERENCES IN THE FIELD ARE ACCEPTABLE.



AFTER SEAMING

NOTE:
ALL DIMENSIONS ARE APPROXIMATE. SLIGHT DIFFERENCES IN THE FIELD ARE ACCEPTABLE.

NOTE:
Mechanical seamers and hand seamers are available for rental through **Tremco**'s approved seamer supplier at the following website.
Go to: http://www.**tremcoroofing**.com

!!!ATTENTION!!!
If a panel or seam becomes damaged, the installer can rent a "de-seamer" through the same website listed above.

ATTENTION

READ THE SEAMER INFORMATION THOROUGHLY BEFORE STARTING THE SEAMING OPERATION. FAILURE TO ADHERE TO THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY AND DAMAGE TO THE SEAMER AND/OR PANELS. THE ERECTOR WILL BE HELD LIABLE FOR ANY COSTS INCURRED FOR REPLACEMENT OR REPAIR.

PRE-SEAMING INFORMATION

1. Locate seamer box. Check to make sure you received an electric seamer, parts box, return shipping label and an information booklet. If not, please call our Technical Services Department. (Hand Seamers must be rented.)
2. Locate power source and check against power requirements in the information booklet.
3. Check seams for proper engagement.
4. Clean dirt, debris and excess sealant from seams and panel surfaces to avoid interfering with the seaming operation.

HAND SEAMING OPERATION

!!!ATTENTION!!!

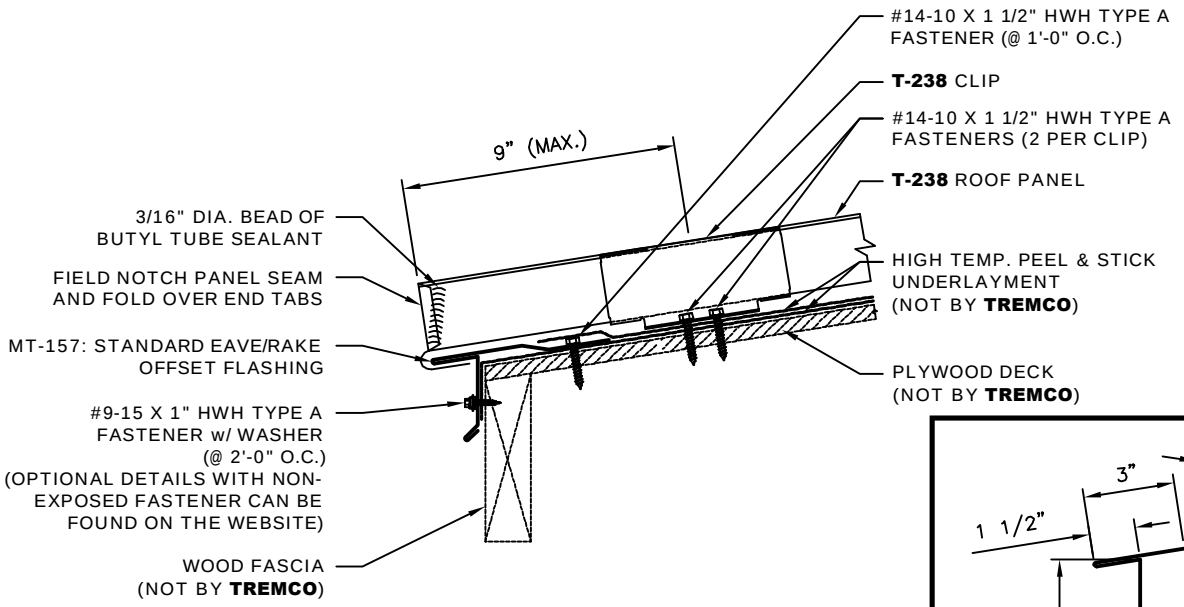
It is critical that the panel seams are crimped and folded before using the electric seamer. Failure to follow these guidelines will result in damaged seams.

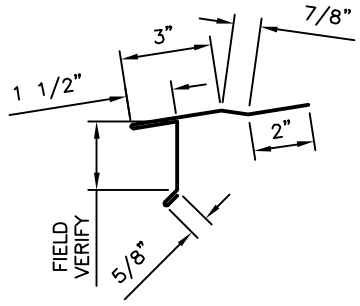
To begin seaming, set the hand seamer on the seam. Align the edge of the hand seamer about one to two inches pass the edge of the panel. Crimp the panel 3 to 4 times along the seam for a total of 12" at the eave and 5 or 6 times along the seam for a total of 18" at the ridge and then at every clip.



CAUTION: The use of any seaming machine or tools other than that recommended by the manufacturer, may damage the panels, void all warranties and will void all engineering data.

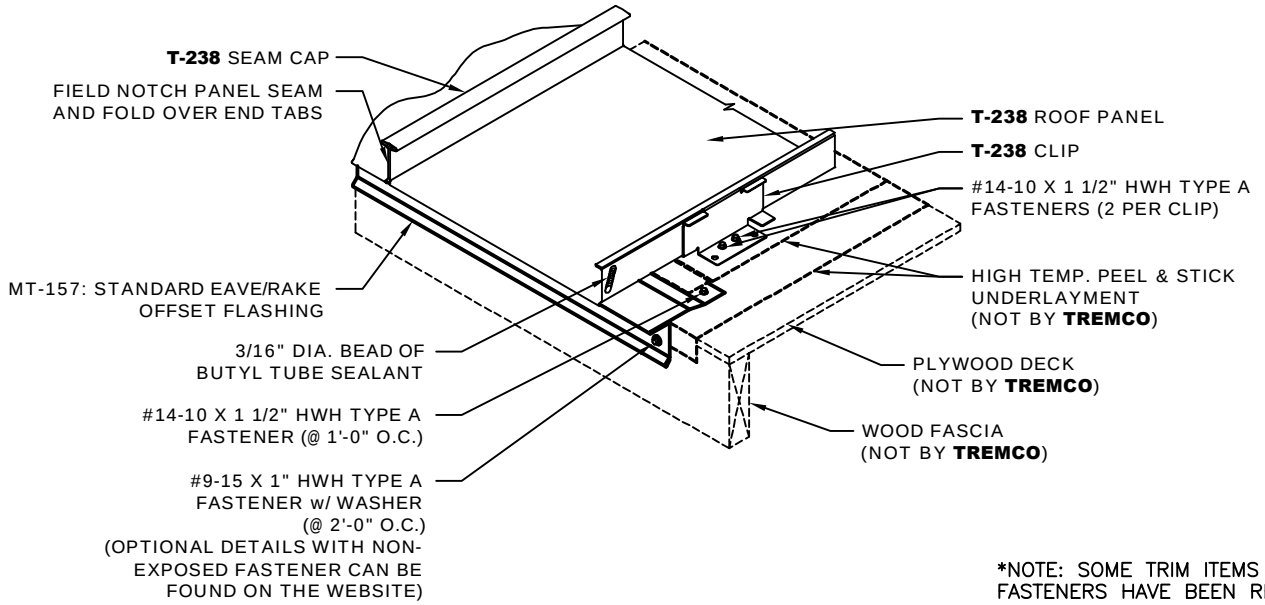
T-238 EAVE DRIP DETAIL





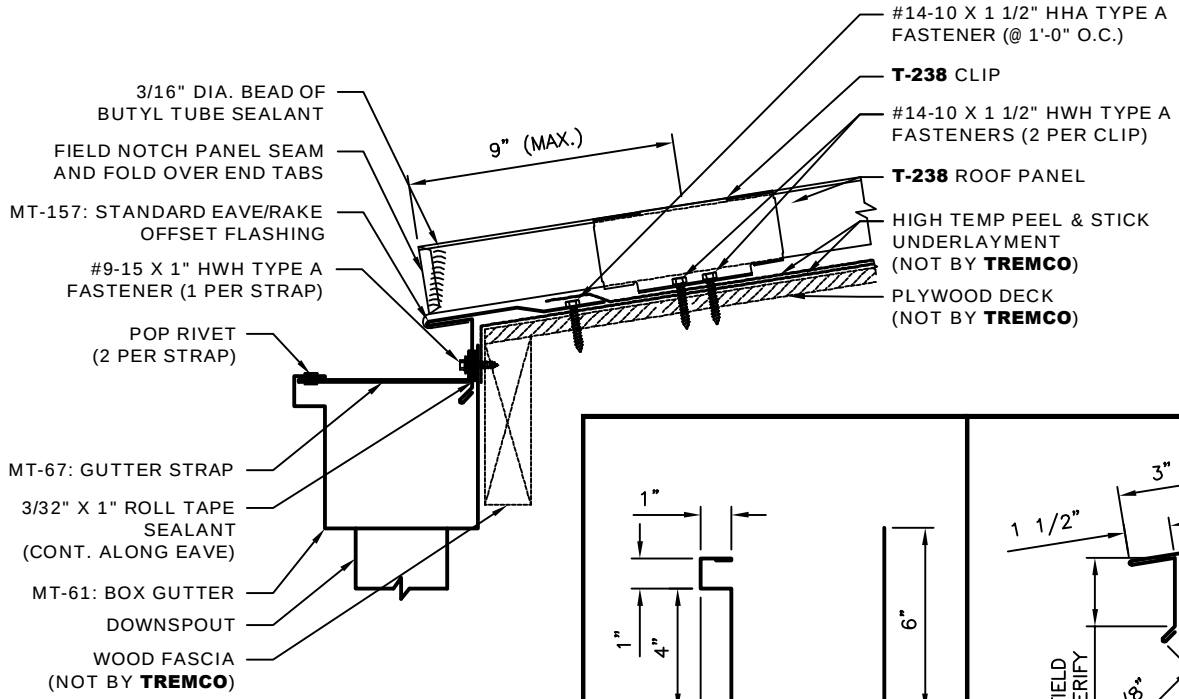
MT-157: STANDARD EAVE/RAKE OFFSET FLASHING

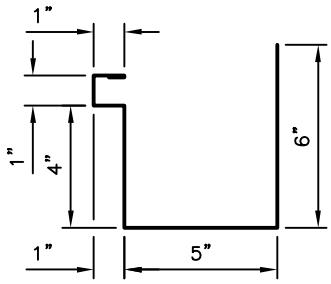
NOTES:
1. MT-157 (Standard Eave/Rake Offset Flashing) to run from out of wall to out of wall.
2. Attach MT-157 (Standard Eave/Rake Offset Flashing) to decking with #14-10 x 1 1/2" HWH Type A Fastener @ 1'-0" O.C.
3. Attach MT-157 (Standard Eave/Rake Offset Flashing) to the Wood Fascia with #9-15 x 1" HWH Type A Fastener with Washer @ 2'-0" O.C.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps.
5. Place a 3/16" Dia. Bead of Butyl Tube Sealant to leading edge of **T-238** panel.
6. Field Notch panel seam and fold over end tabs of panels.



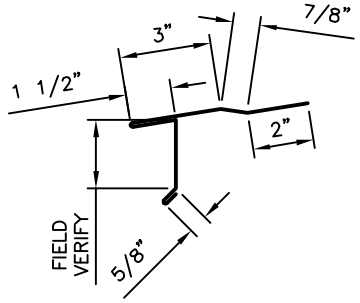
*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

T-238 EAVE DRIP w/ GUTTER DETAIL



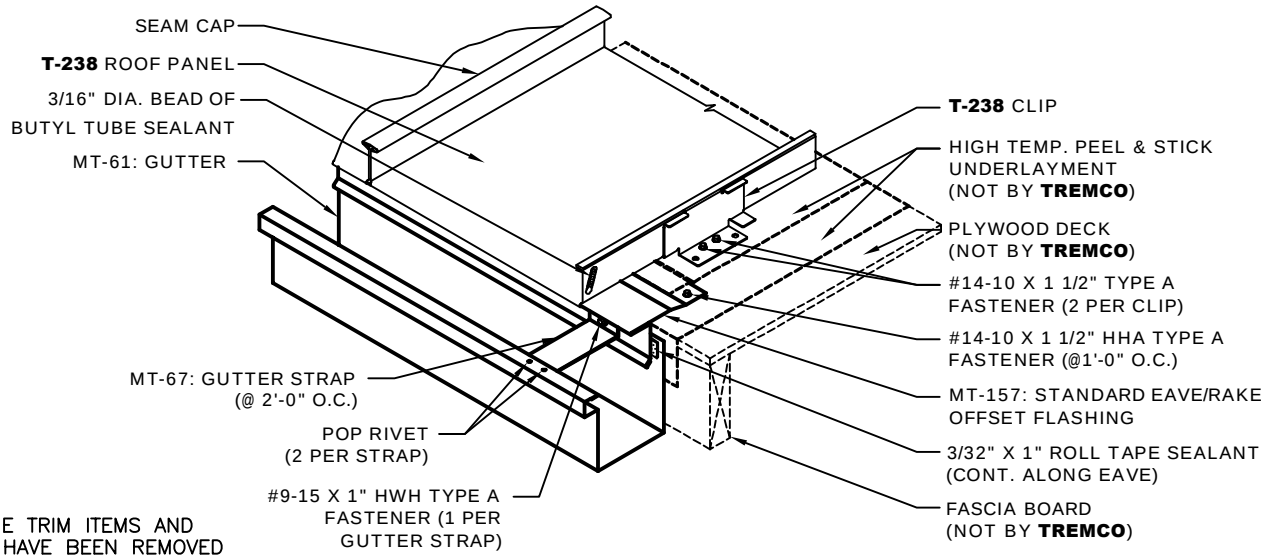


MT-61: GUTTER



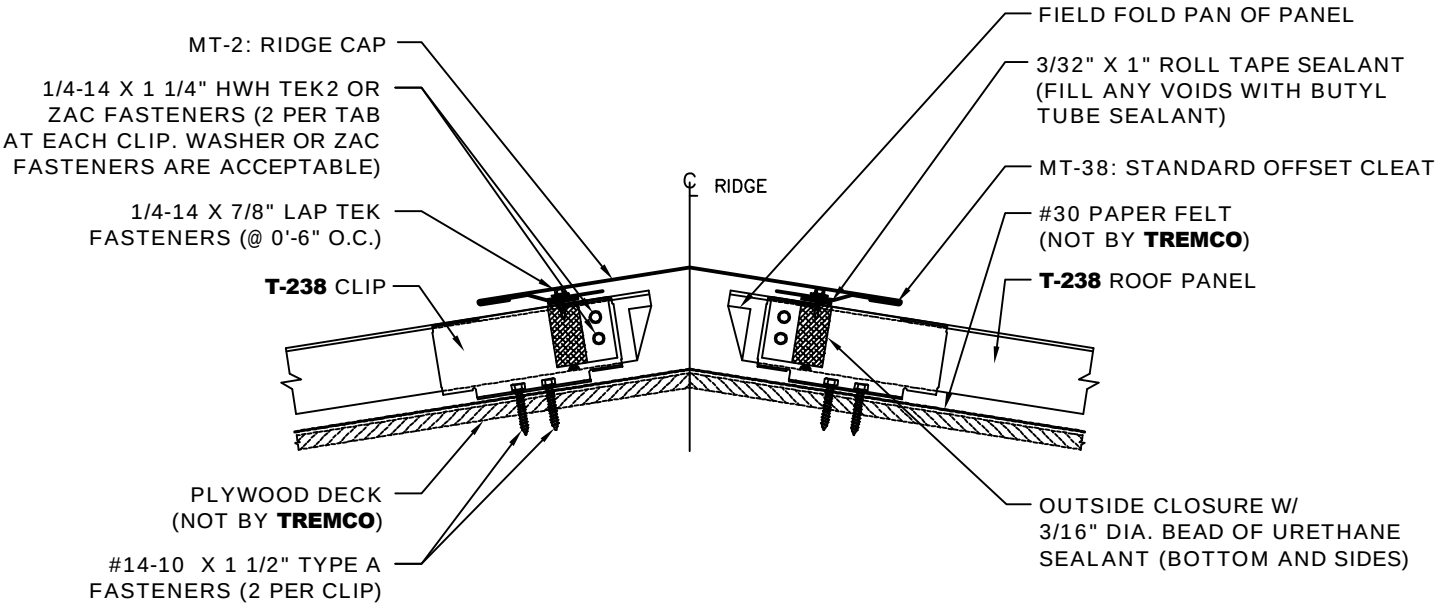
MT-157: STANDARD EAVE/RAKE OFFSET FLASHING

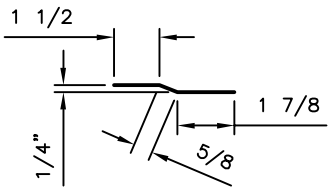
NOTES:
1. MT-157 (Standard Eave/Rake Offset Flashing) and MT-61 (Box Gutter) to run from out of wall to out of wall
2. Apply a continuous bead of 3/32" x 1" Roll Tape Sealant to the inside vertical leg of the MT-61 (Gutter). Attach MT-67 (Gutter Straps) to Gutter with (2) Pop Rivets as shown in detail.
3. Attach MT-157 (Standard Eave/Rake Offset Flashing) to decking with #14-10 x 1 1/2" HWH Type A Fastener @ 1'-0" O.C. Slide vertical leg of Gutter behind MT-157 (Standard Offset Eave Flashing) and fasten through MT-67 (Gutter Strap), MT-157 (Standard Eave/Rake Offset Flashing), Tape Sealant and Gutter with #9-15 x 1" HWH Type A Fastener into Fascia Board required Gutter Strap Spacing.
4. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps.
5. Place a 3/16" Dia. Bead of Butyl Tube Sealant to leading edge of **T-238** panel.
6. Field Notch panel seam and fold over end tabs of panels.



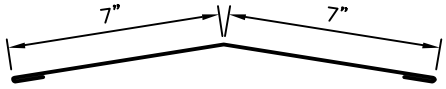
*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

T-238 FIXED RIDGE DETAIL





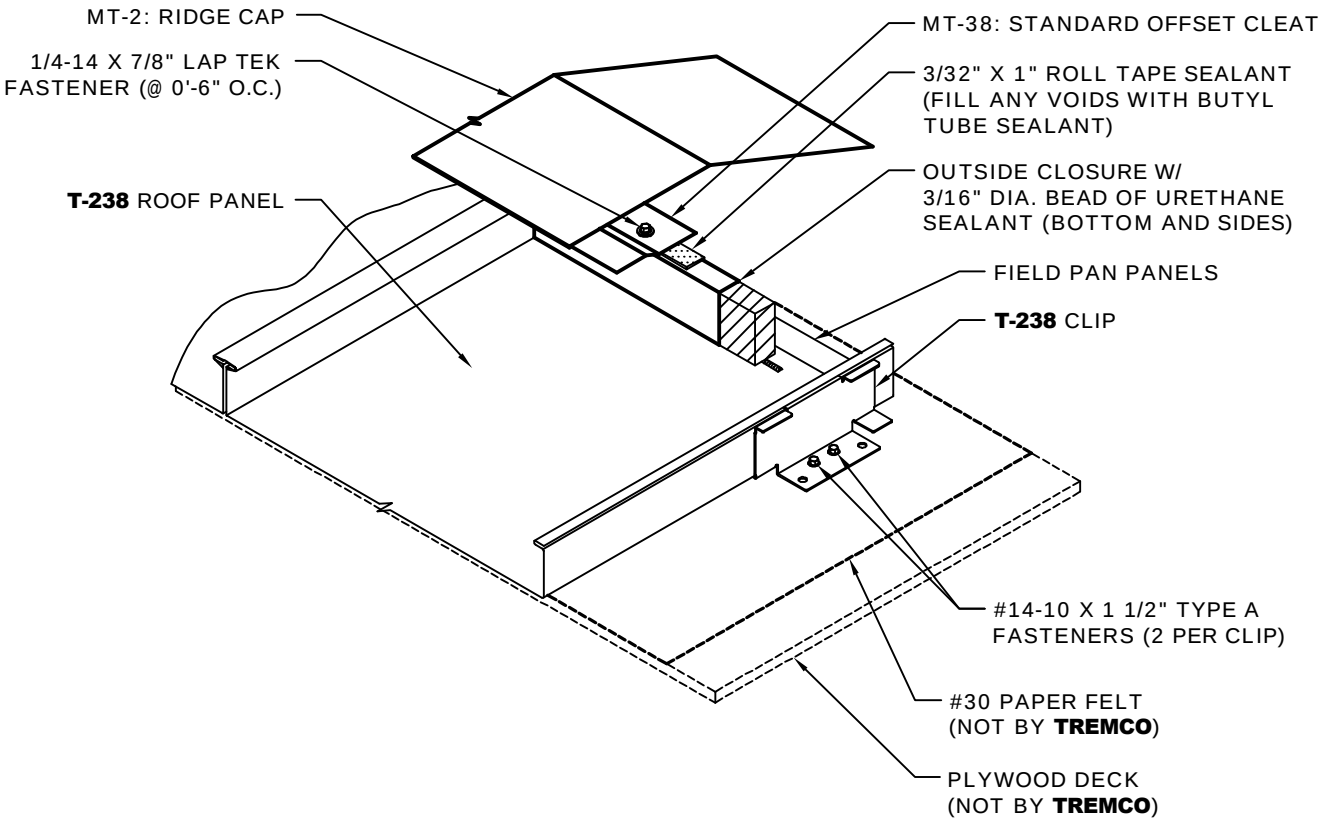
MT-38: STANDARD OFFSET CLEAT



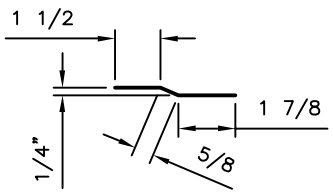
MT-2: RIDGE CAP

NOTES: 1. MT-2 (Ridge Cap) and MT-38 (Standard Offset Cleat) to run from out of wall to out of wall.
2. Using a panning tool, fold up the pan of the panel at the ridge.
3. Install **T-238** panels and apply a 3/16" Dia. bead of Urethane Tube Sealant in the pan of the panel and up the the vertical legs where the foam closure will be placed.
4. Install Metal Closure Cover over the Foam Closure and secure to panel with (2) 1/4-14 x 1 1/14" HWH Tek2 or ZAC Fasteners, making sure to fasten through the clip to provide fixed point.
5. MT-2 (Ridge Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

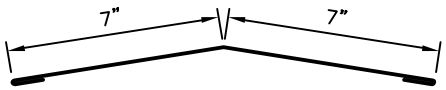
T-238 FIXED RIDGE DETAIL



*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



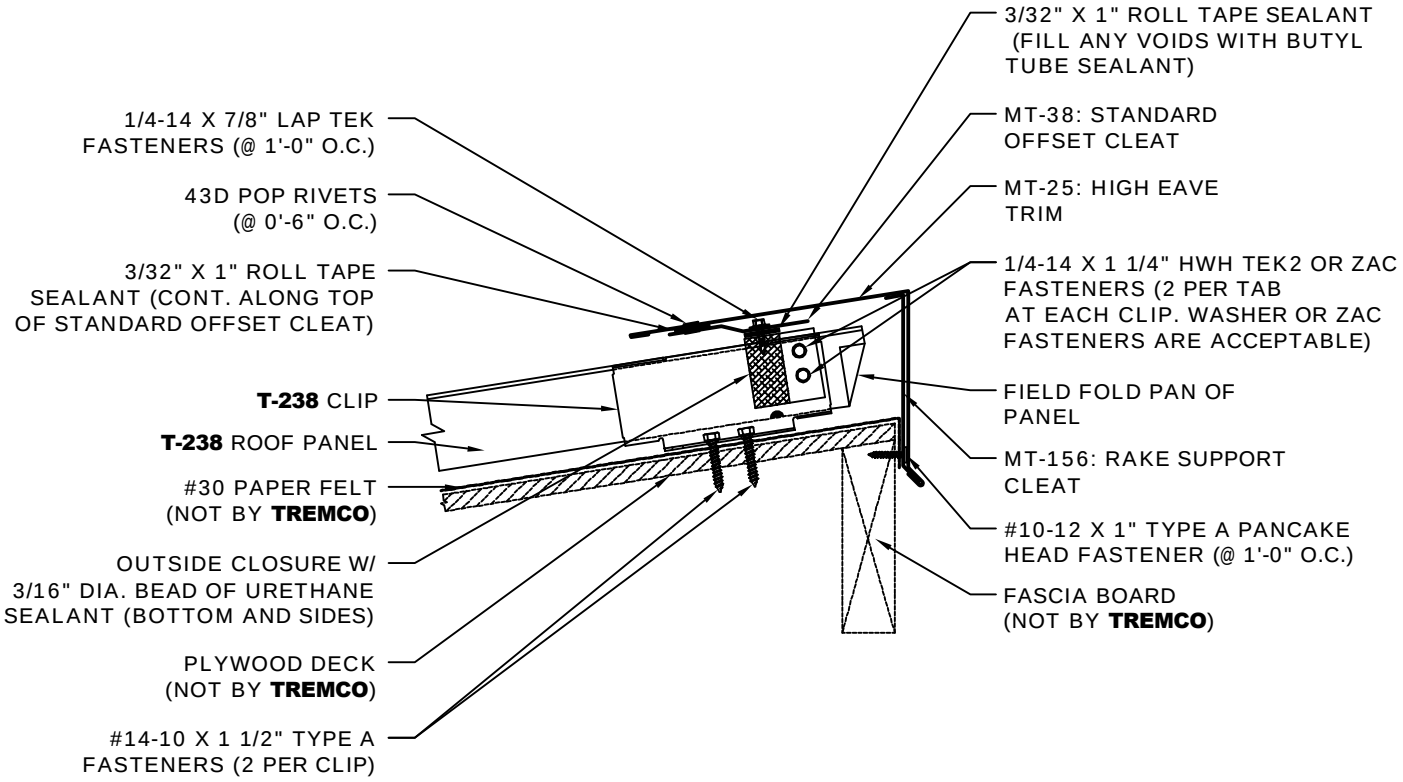
MT-38: STANDARD OFFSET CLEAT

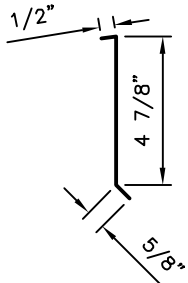


MT-2: RIDGE CAP

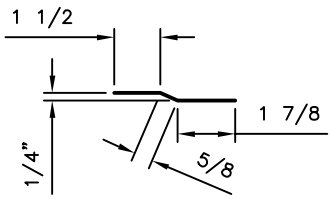
NOTES:
1. MT-2 (Ridge Cap) and MT-38 (Standard Offset Cleat) to run from out of wall to out of wall.
2. Using a panning tool, fold up the pan of the panel at the ridge.
3. Install **T-238** panels and apply a 3/16" Dia. bead of Urethane Tube Sealant in the pan of the panel and up the the vertical legs where the foam closure will be placed.
4. Install Metal Closure Cover over the Foam Closure and secure to panel with (2) 1/4-14 x 1 1/14" HWH Tek2 or ZAC Fasteners, making sure to fasten through the clip to provide fixed point.
5. MT-2 (Ridge Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

T-238 FIXED HIGH EAVE DETAIL

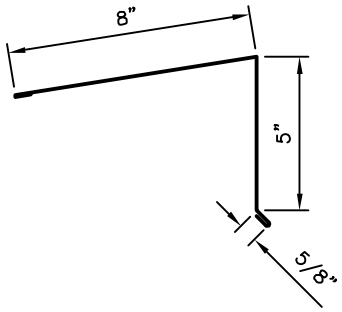




MT-156: RAKE SUPPORT CLEAT



MT-38: STANDARD OFFSET CLEAT

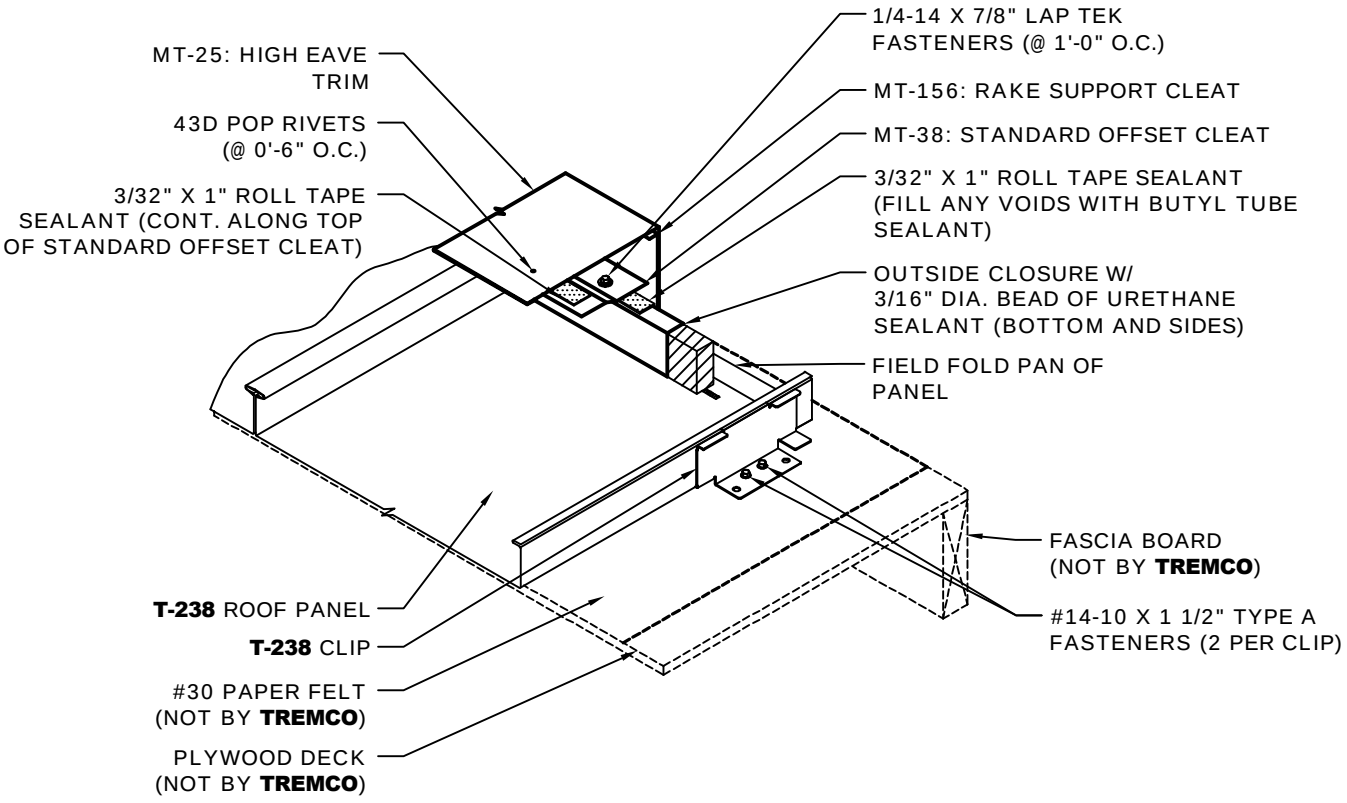


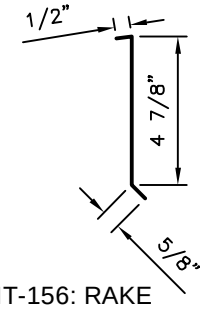
MT-25: HIGH EAVE TRIM

NOTES:
1. MT-25 (High Eave Trim), MT-156 (Rake Support Cleat) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Attach MT-156 (Rake Support Cleat) to fascia board with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.
3. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point. Attach 1/4" Offset Cleat to Outside Closures with 1/4-14 x 7/8" Lap Tek fasteners at 1'-0" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the MT-38 (Standard Offset Cleat).
5. High Eave Trim to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. Offset Cleat will butt joint.

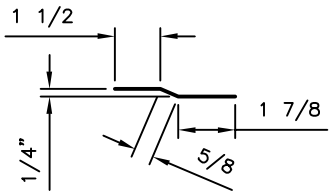
T-238 FIXED HIGH EAVE DETAIL

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

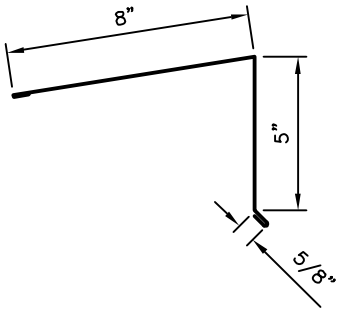




MT-156: RAKE SUPPORT CLEAT



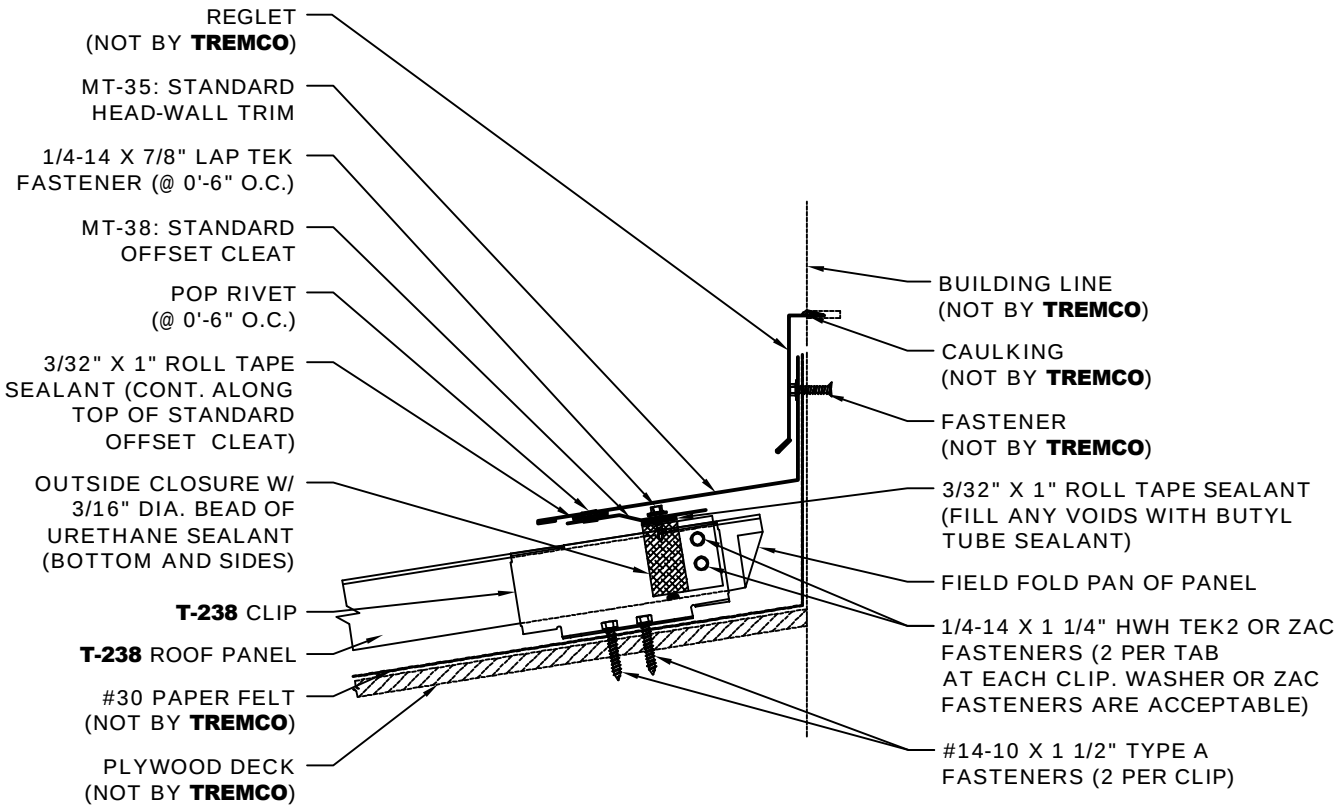
MT-38: STANDARD OFFSET CLEAT

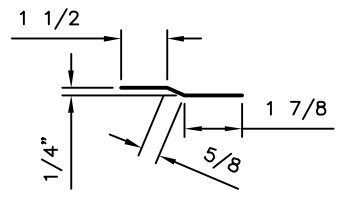


MT-25: HIGH EAVE TRIM

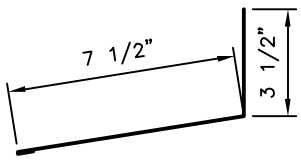
NOTES:
1. MT-25 (High Eave Trim), MT-156 (Rake Support Cleat) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Attach MT-156 (Rake Support Cleat) to fascia board with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.
3. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point. Attach 1/4" Offset Cleat to Outside Closures with 1/4-14 x 7/8" Lap Tek fasteners at 1'-0" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the MT-38 (Standard Offset Cleat).
5. High Eave Flashing to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. Offset Cleat will butt joint.

T-238 FIXED HEADWALL DETAIL





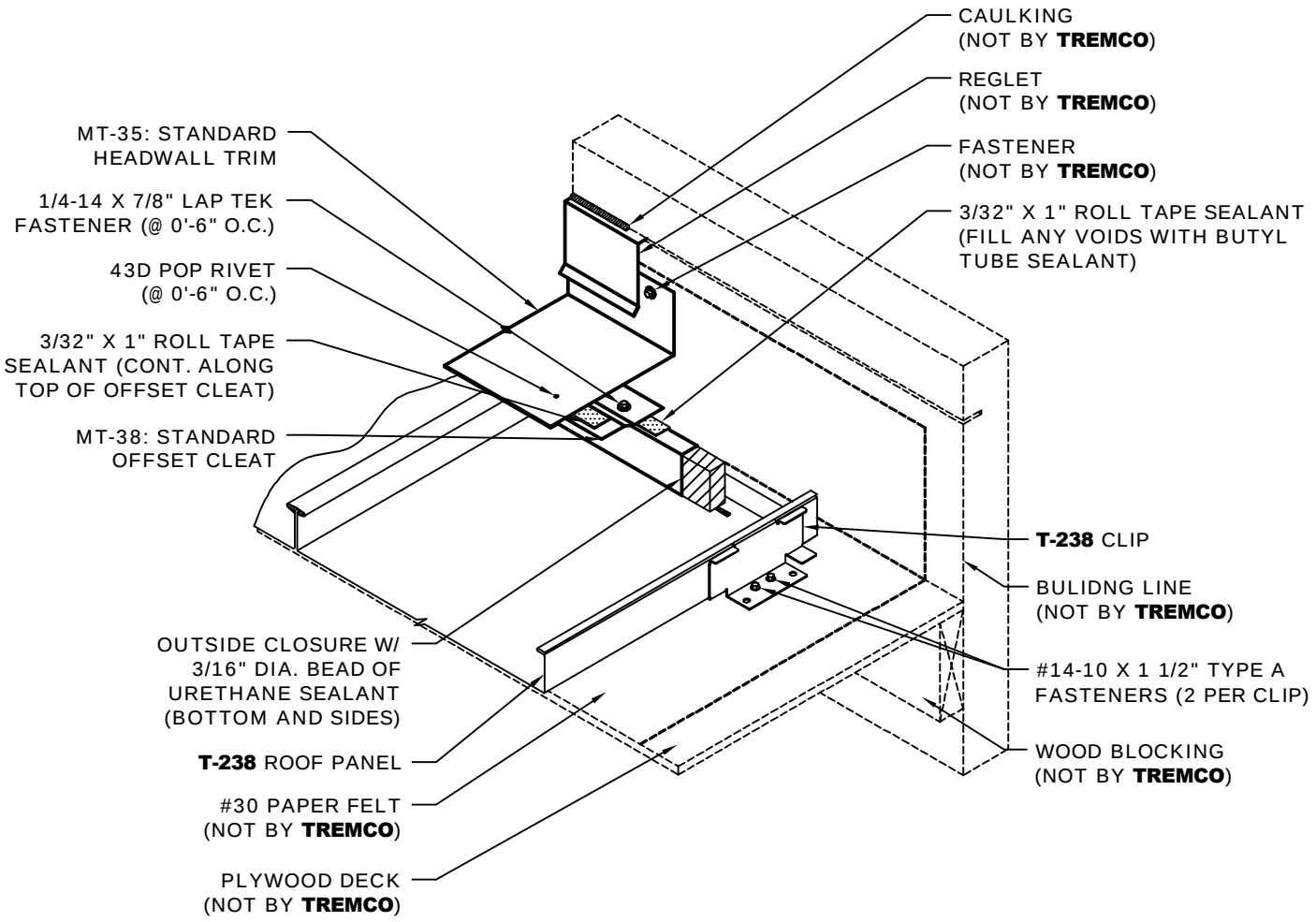
MT-38: STANDARD OFFSET CLEAT



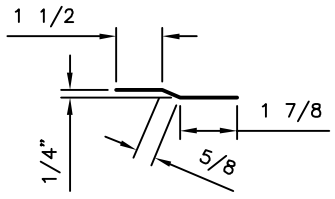
MT-35: STANDARD HEADWALL TRIM

NOTES:
1. MT-35 (Standard Headwall Trim) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Metal Outside Closure. Attach 1/4" Offset Cleat to Outside Closure with 1/4-14 x 7/8" Lap Tek Fasteners at 0'-6" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Offset Cleat.
5. MT-35 (Standard Headwall Trim) to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. MT-38 (Standard Offset Cleat) will butt joint.

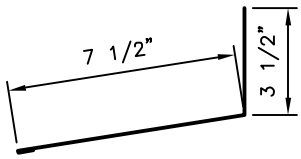
T-238 FIXED HEADWALL DETAIL



*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



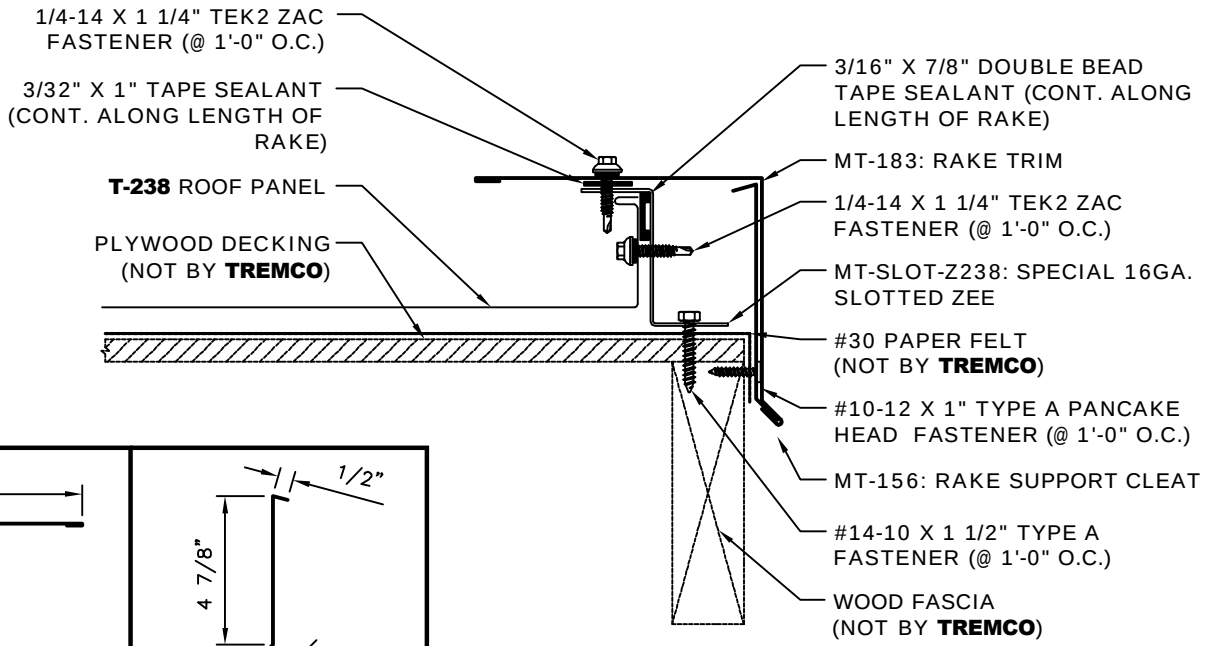
MT-38: STANDARD
OFFSET CLEAT

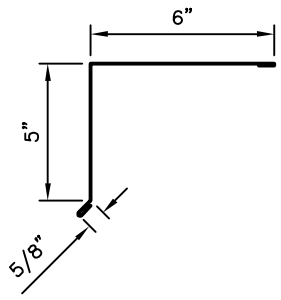


MT-35: STANDARD
HEADWALL TRIM

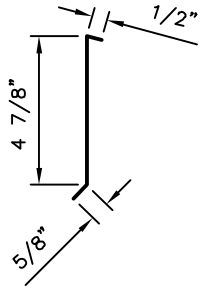
NOTES:
1. MT-35 (Standard Headwall Trim) and MT-38 (Standard Offset Cleat) to run from out to out of building.
2. Apply a 3/16" Dia. bead of Urethane Sealant to the pan and up the vertical legs of the panel where the Foam Outside Closure will be placed. Install Metal Closure Cover over Foam Outside Closure and attach to panels and clip with (2) 1/4-14 x 1 1/4" HWH Tek2 or ZAC Fasteners to provide a fixed point.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Metal Outside Closure. Attach 1/4" Offset Cleat to Outside Closure with 1/4-14 x 7/8" Lap Tek Fasteners at 0'-6" O.C.
4. Apply a continuous line of 3/32" x 1" Roll Tape Sealant to the top flange of the Offset Cleat.
5. MT-35 (Standard Headwall Trim) to lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Pop Rivet flashing. MT-38 (Standard Offset Cleat) will butt joint.

T-238 FLOATING RAKE DETAIL





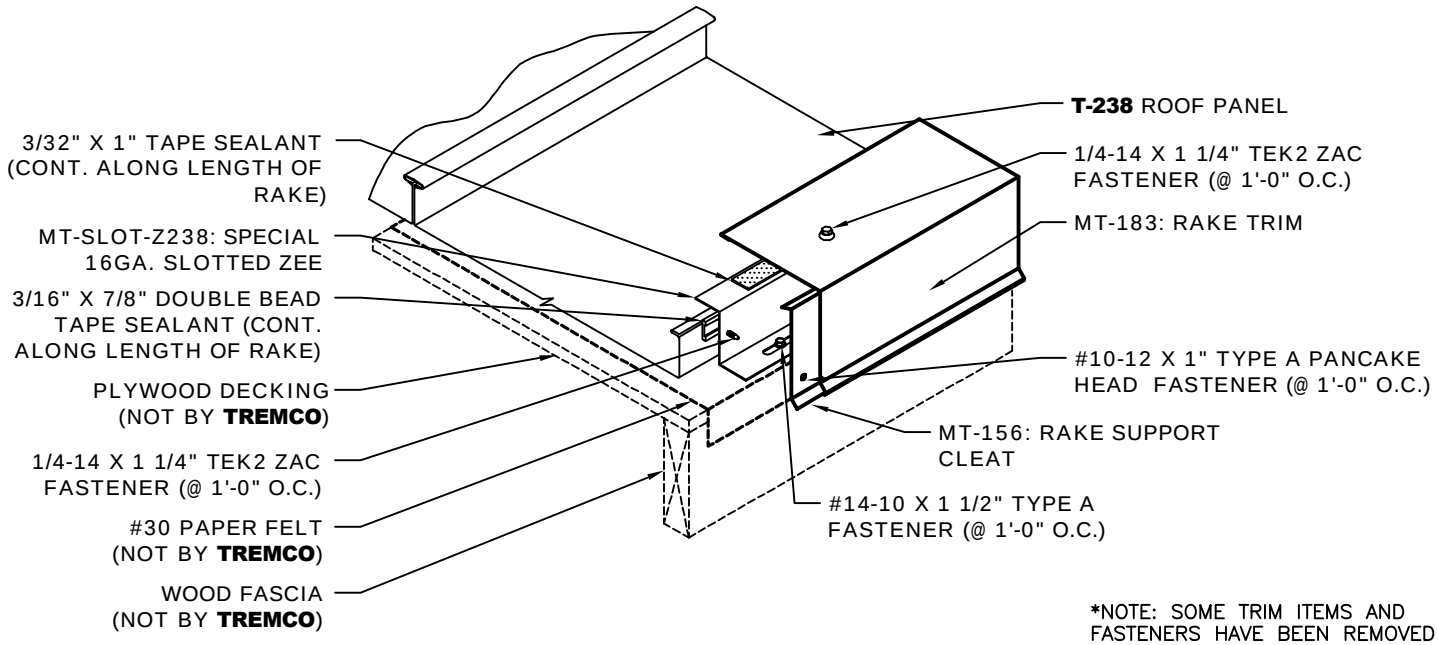
MT-183: RAKE TRIM



MT-156: RAKE SUPPORT CLEAT

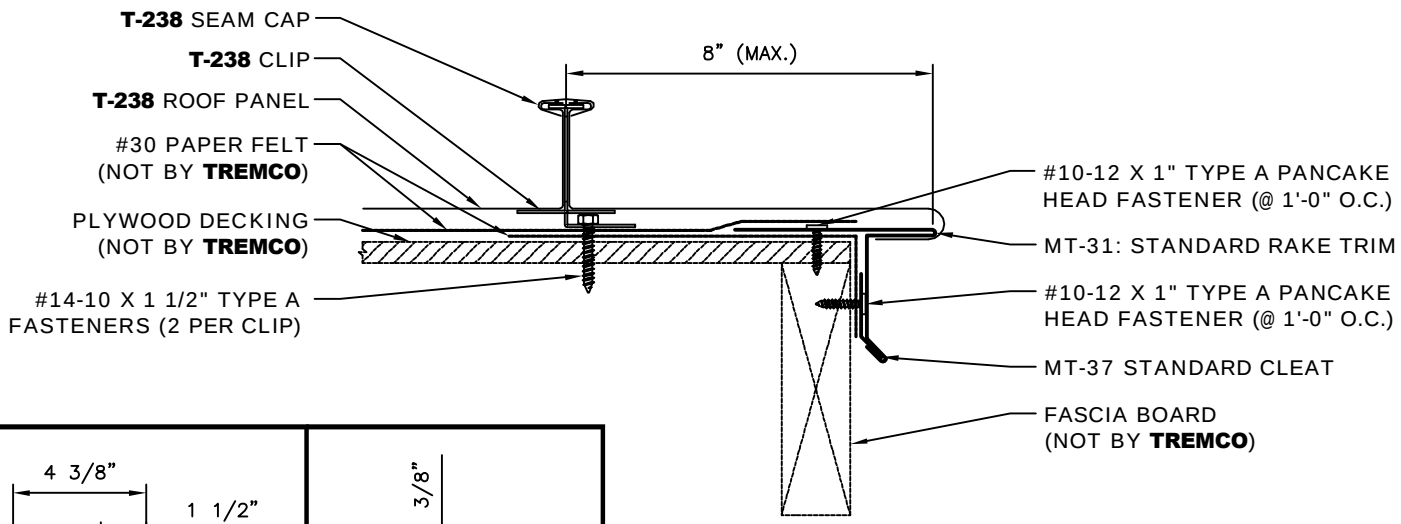
NOTES: 1. MT-183 (Rake Trim), MT-156 (Rake Support Cleat) and MT-SLOT-Z238 (Special 16ga. Slotted Zee) to run from eave to ridge.

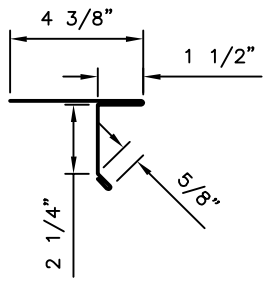
2. Attach MT-SLOT-Z238 (Special 16ga. Slotted Zee) to decking with #14-10 x 1 1/2" HWH Type A Fasteners at 1'-0" O.C.
3. Apply a continuous bead of 3/16" x 7/8" Double Bead Tape Sealant to the vertical leg of the **T-238** panel. Install **T-238** panel and hold in place on the Slotted Zee with clamps. Fasten panel to Slotted Zee with 1/4-14 x 1 1/4" Tek2 ZAC Fasteners at 1'-0" O.C.
4. Apply a continuous bead of 3/32" x 1" Roll Tape Sealant to the top of the Slotted Zee and attach MT-183 (Rake Trim) with 1/4-14 x 1 1/4" Tek2 ZAC Fasteners at 1'-0" O.C.
5. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Fasten to trims.



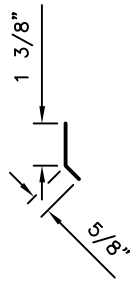
*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

T-238 FLOATING RAKE DETAIL (ALT.)



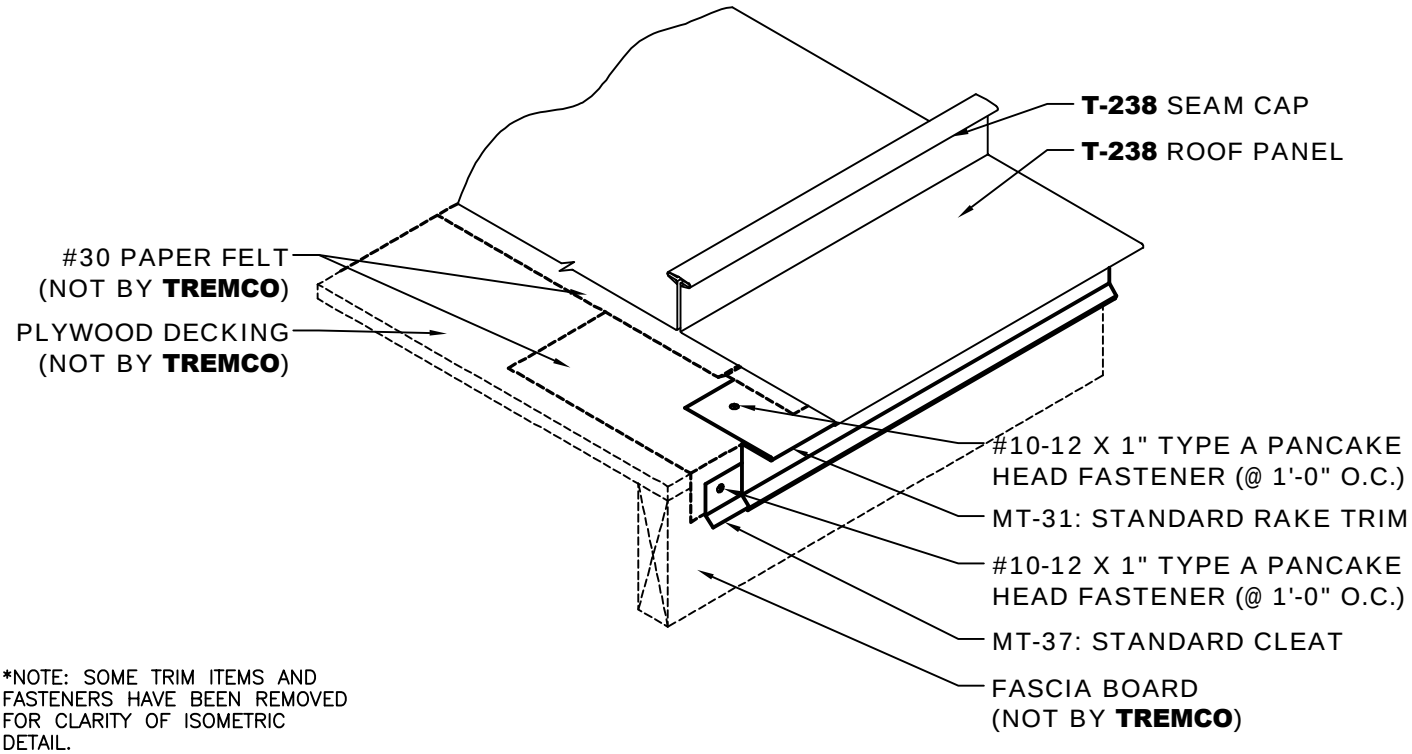


MT-31: STANDARD RAKE TRIM



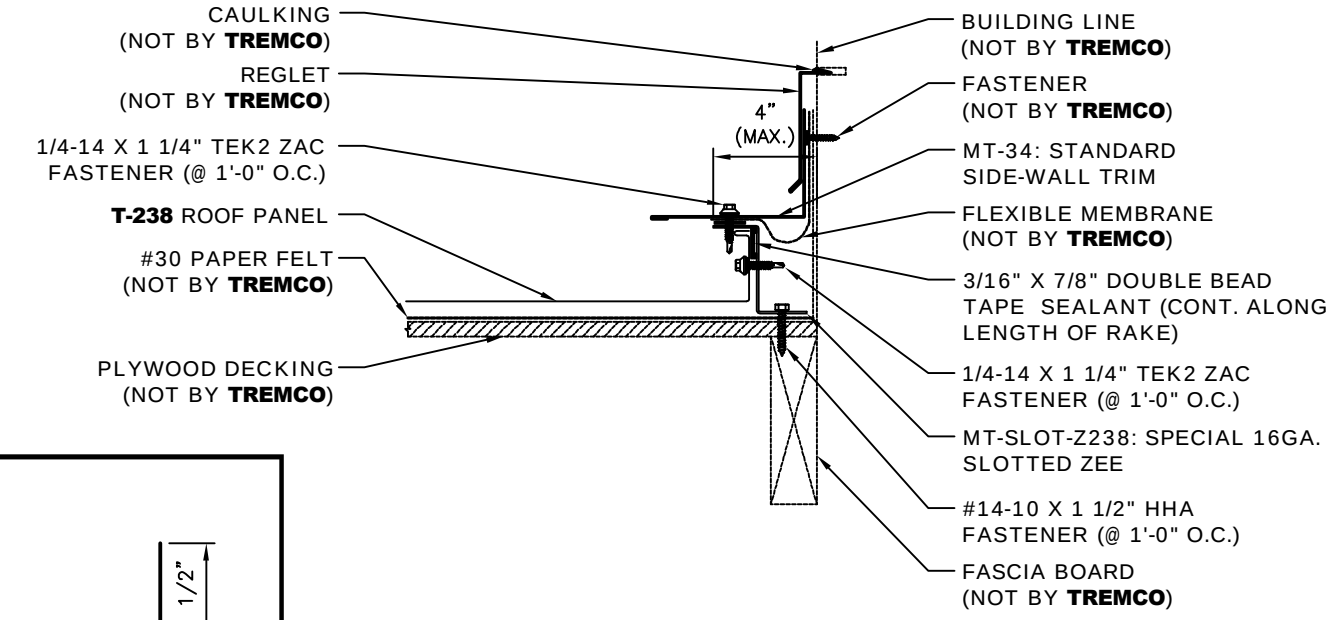
MT-37: STANDARD CLEAT

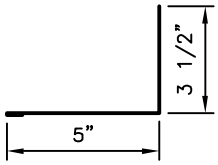
NOTES:
1. MT-31 (Rake Trim) and MT-37 (Standard Cleat) to run from eave to ridge.
2. Attach MT-37 (Standard Cleat) to Fascia Board with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.
3. Attach MT-31 (Rake Trim) to MT-37 (Standard Cleat) and fasten to Plywood Decking with #10-12 x 1" Type A Pancake Head Fasteners at 1'-0" O.C.
4. Field cut leading edge of panel and fold panel down 180°.



*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

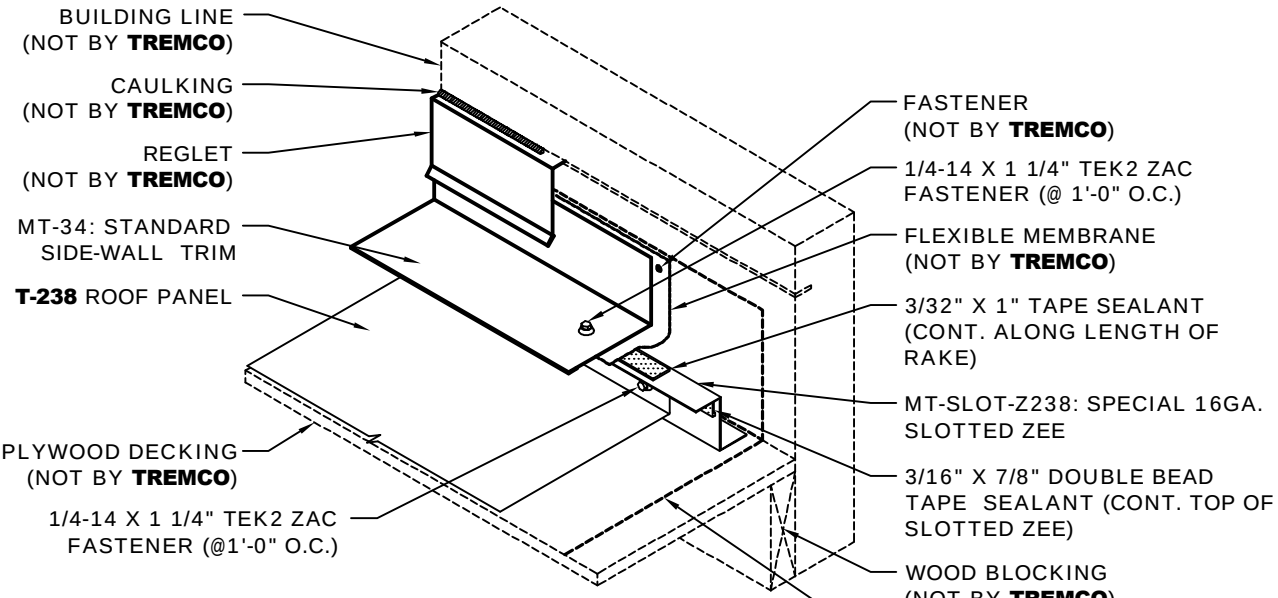
T-238 FLOATING SIDE-WALL TIE-IN DETAIL





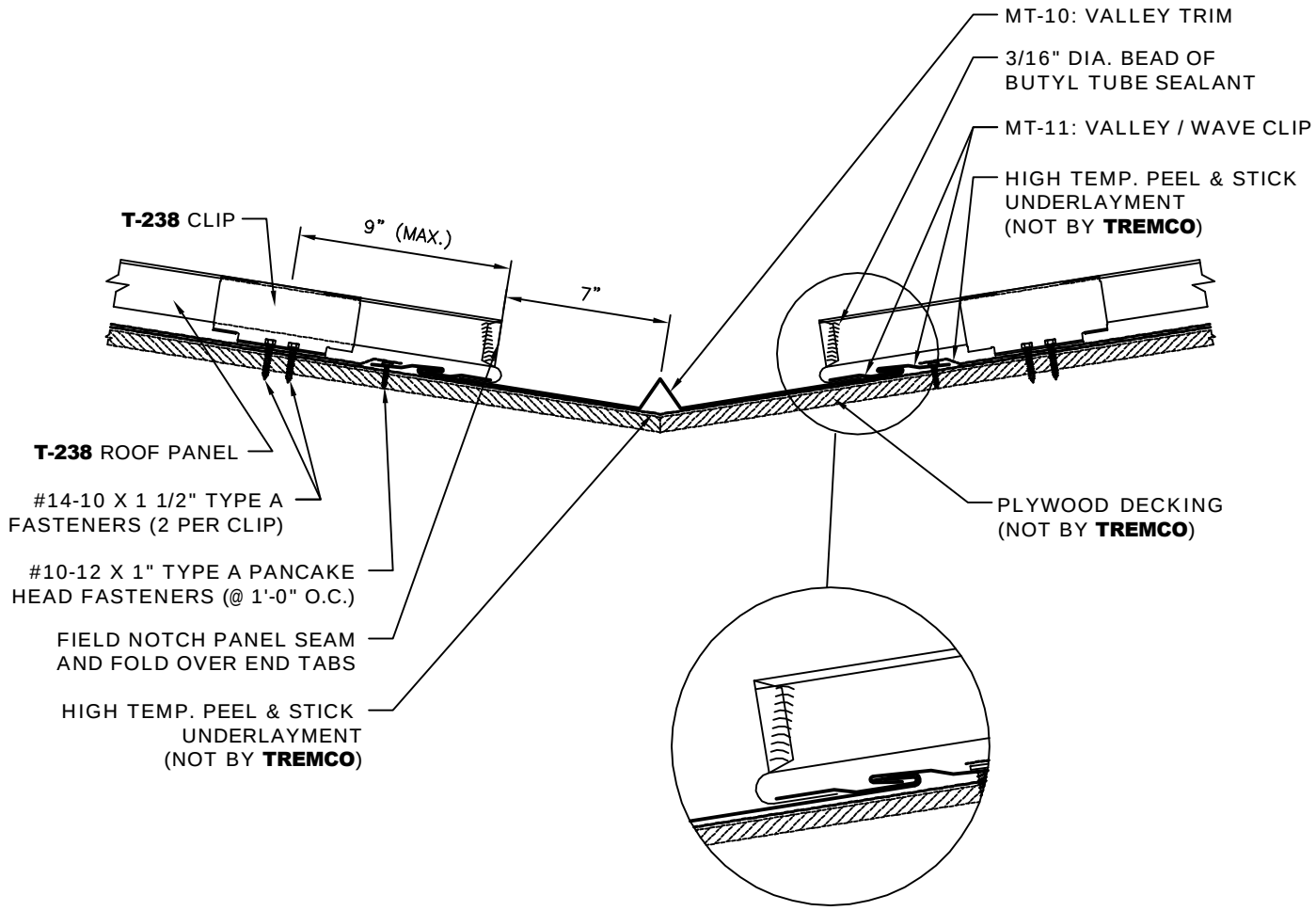
MT-34: STANDARD SIDE-WALL TRIM

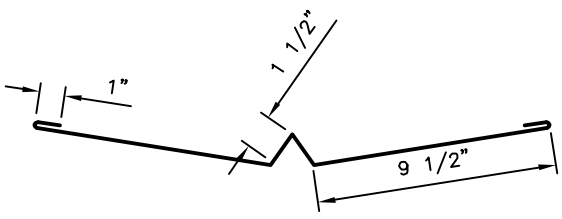
NOTES: 1. MT-34 (Standard Side-Wall Trim) to run from Eave to Ridge.
2. Attach MT-SLOT-Z238 (Special 16ga. Slotted Zee) to decking with #14-10 x 1 1/2" HWH Type A Fasteners at 1'-0" O.C.
3. Apply a continuous run of 3/16" x 7/8" Double Bead Tape Sealant to the vertical leg of the **T-238** panel. Install **T-238** panel and hold in place on the Slotted Zee with clamps. Fasten panel to Slotted Zee with 1/4-14 x 1 1/4" Tek2 Zac Fasteners at 1'-0" O.C.
4. Apply a continuous run of 3/32" x 1" Roll Tape Sealant to the top of the Slotted Zee and attach MT-34 (Standard Side-Wall Trim) with 1/4-14 x 1 1/4" Tek2 ZAC Fasteners at 1'-0" O.C.
5. Trim pieces lap 2". Apply 3/32" x 3/8" Butyl Tape or Butyl Tube Sealant in trim laps and Fasten to trims.



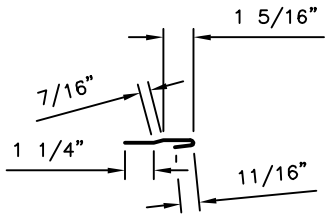
*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

T-238 VALLEY DETAIL





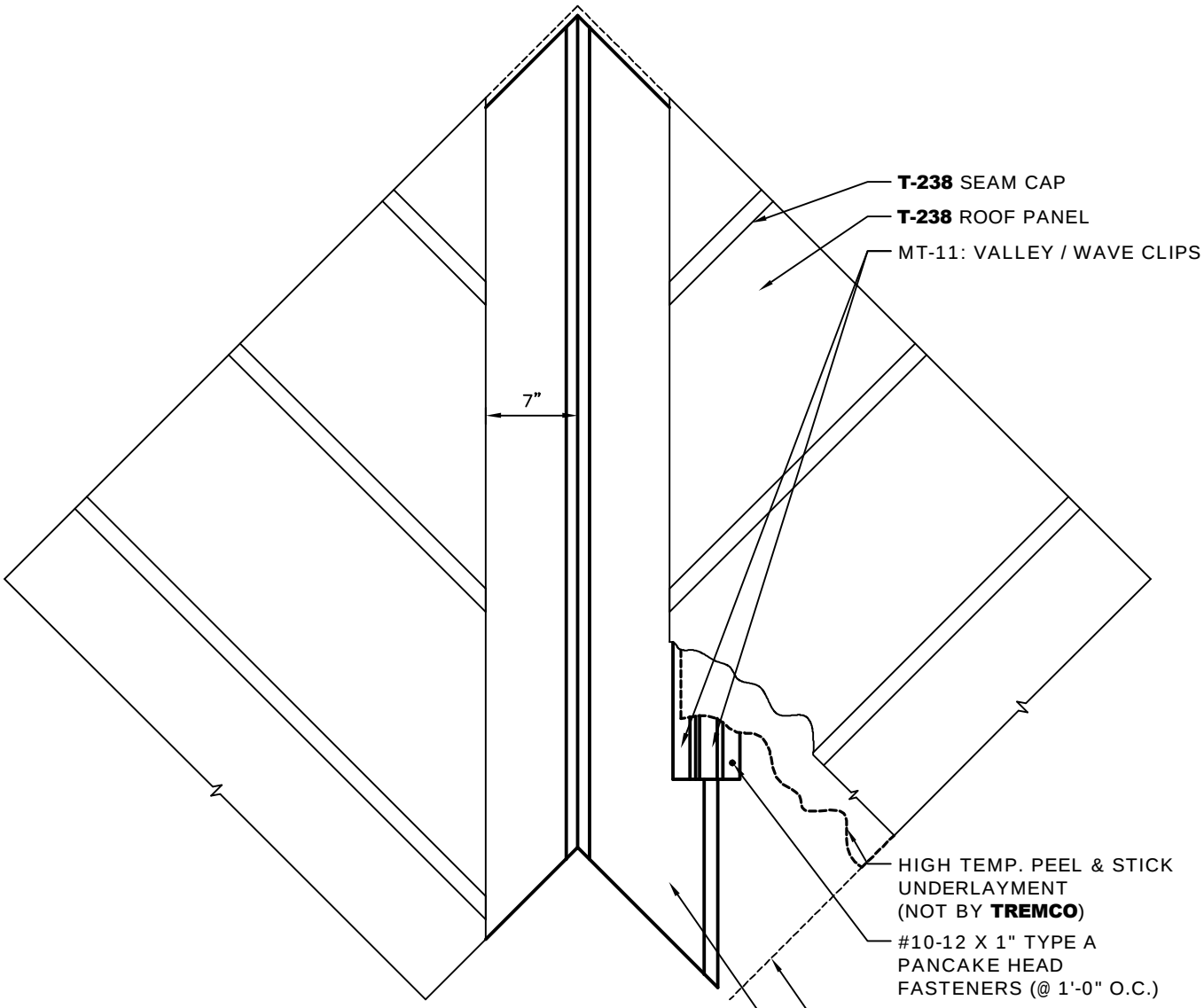
MT-10: VALLEY TRIM



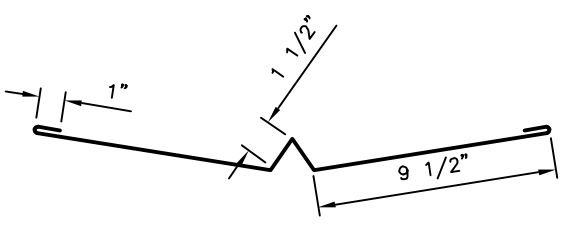
MT-11: VALLEY / WAVE CLIP

NOTES: 1. Install MT-10 (Valley Trim) from eave to ridge. MT-10 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Attach MT-11 (Valley / Wave Clip) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.

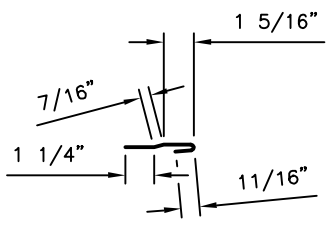
T-238 VALLEY DETAIL



*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



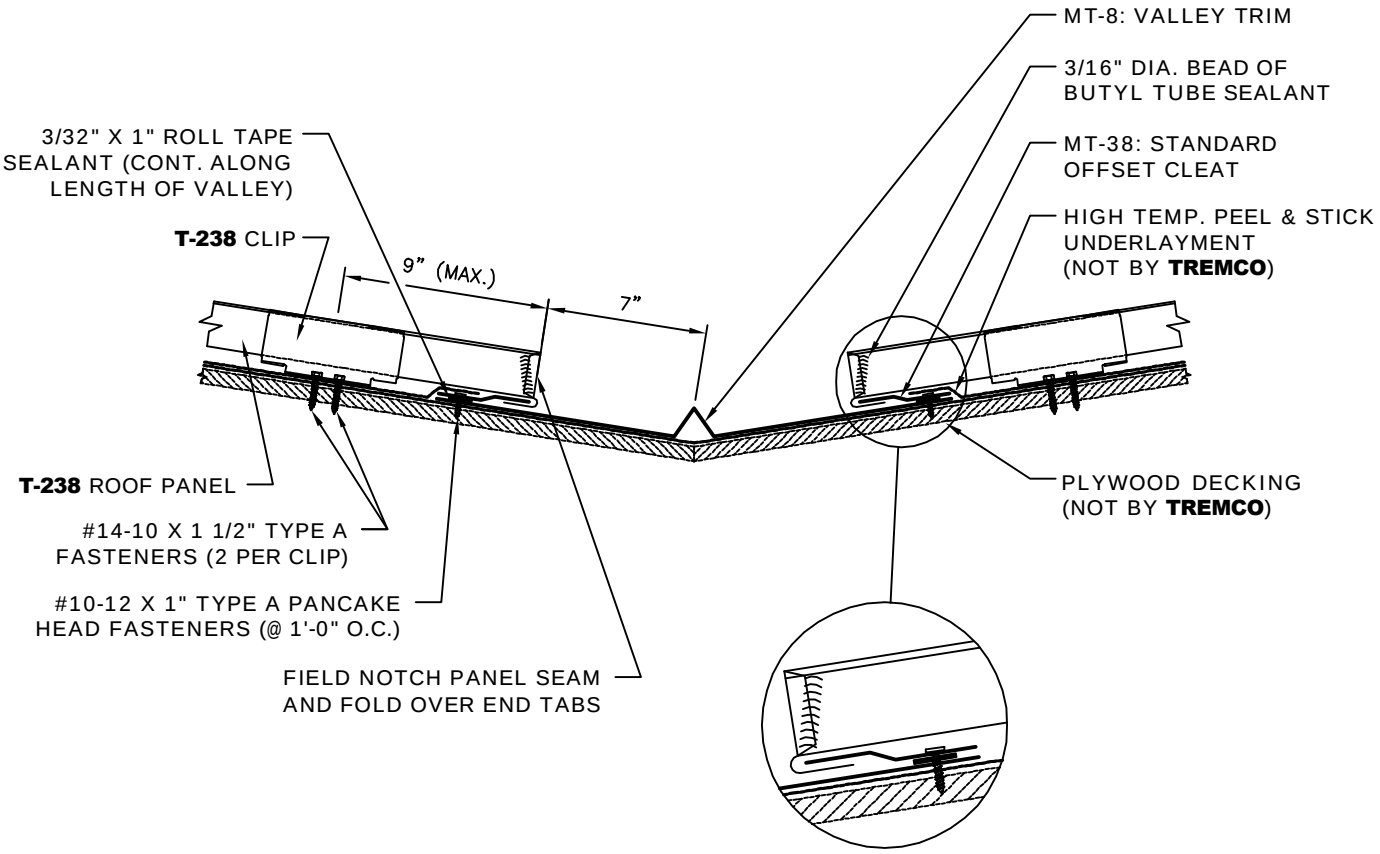
MT-10: VALLEY TRIM

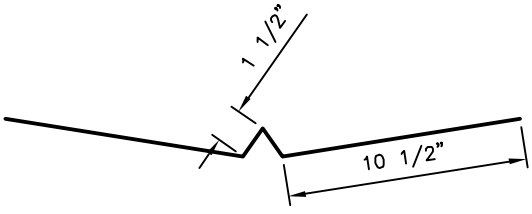


MT-11: VALLEY / WAVE CLIP

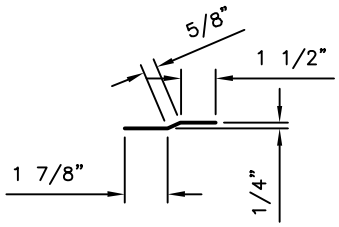
NOTES: 1. Install MT-10 (Valley Trim) from eave to ridge. MT-10 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Attach MT-11 (Valley / Wave Clip) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.

T-238 VALLEY DETAIL (ALT.)





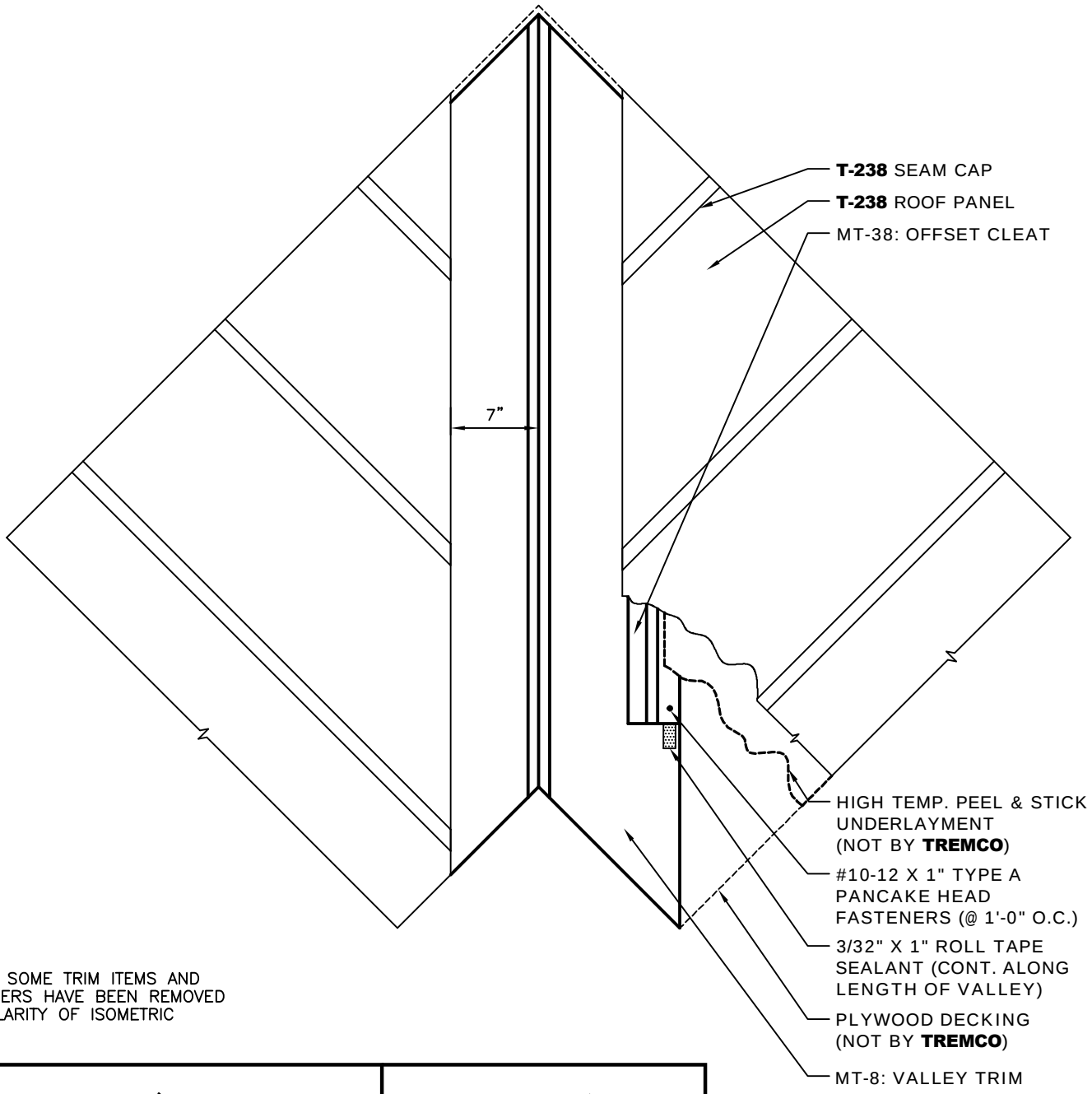
MT-8: VALLEY TRIM



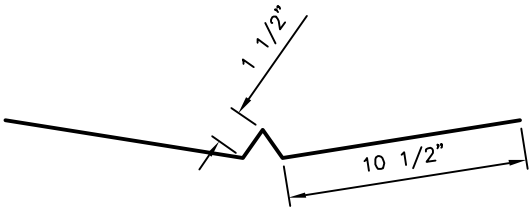
MT-38: STANDARD OFFSET CLEAT

NOTES:
1. Install MT-8 (Valley Trim) from eave to ridge. MT-8 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant up both sides of MT-8 (Valley Trim).
4. Install MT-38 (Standard Offset Cleat) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.

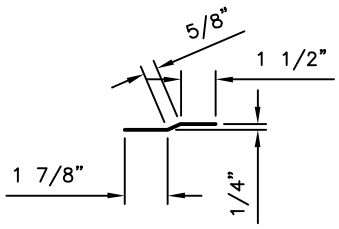
T-238 VALLEY DETAIL



*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



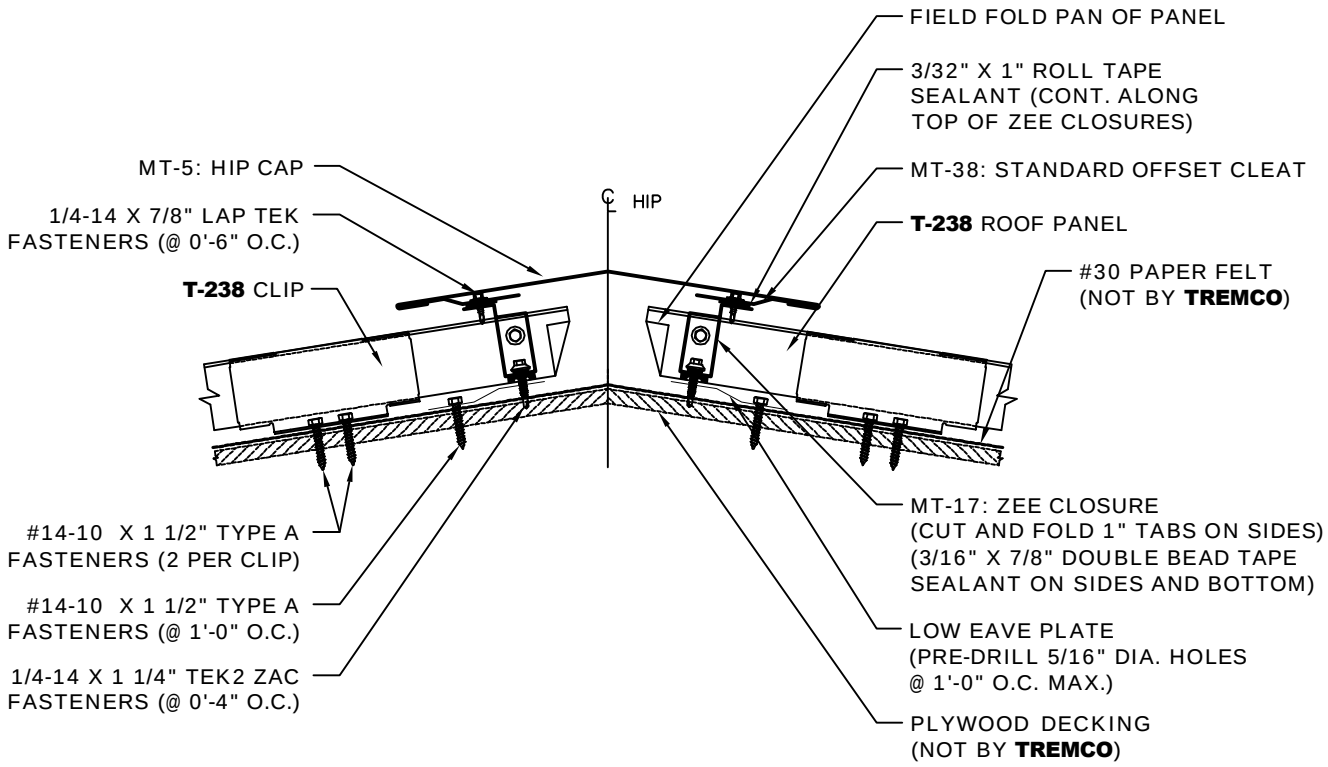
MT-8: VALLEY TRIM

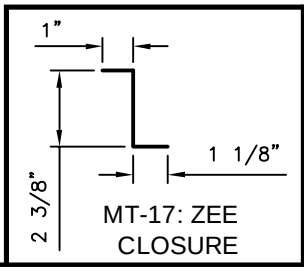


MT-38: STANDARD OFFSET CLEAT

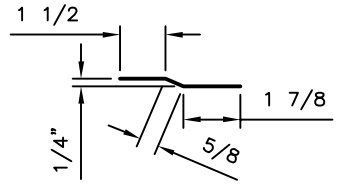
NOTES:
1. Install MT-8 (Valley Trim) from eave to ridge. MT-8 (Valley Trim) pieces lap 6". Place 3/32" x 1" Butyl Tape or a 3/16" Dia. bead of Butyl Tube Sealant in laps.
2. Cut panels at required bevel for valley condition.
3. Apply a continuous line of 3/32" x 1" Roll Tape Sealant up both sides of MT-8 (Valley Trim).
4. Attach MT-38 (Standard Offset Cleat) with #10-12 x 1" Type A Pancake Head fasteners at 1'-0" O.C.

T-238 HIP DETAIL

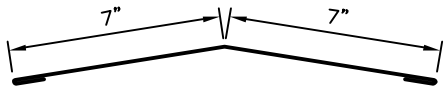




MT-17: ZEE CLOSURE



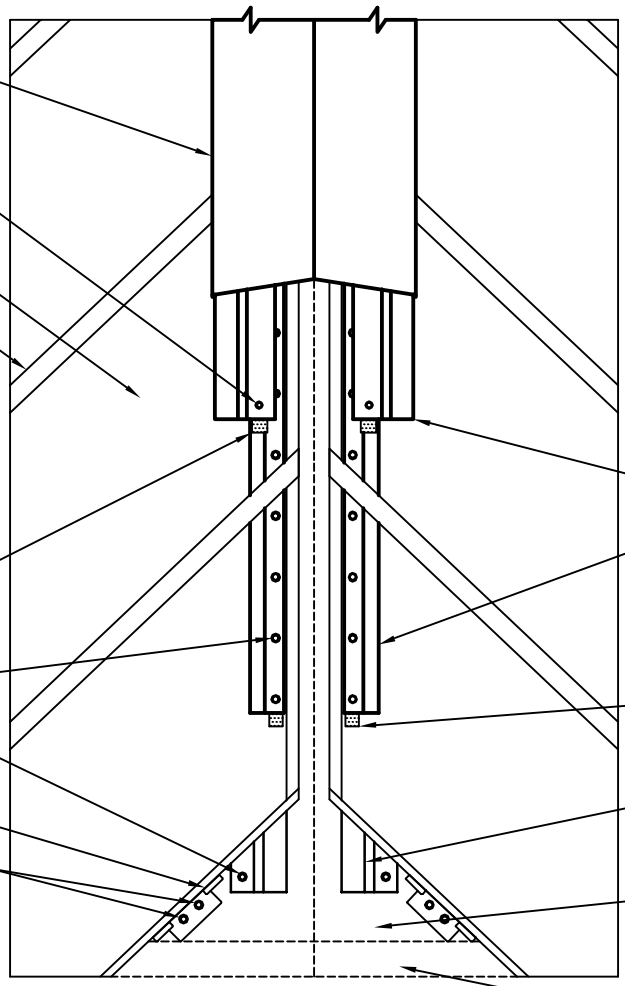
MT-38: STANDARD OFFSET CLEAT



MT-5: HIP CAP

NOTES: 1. MT-5 (Hip Cap) to run from Eave to Ridge. MT-38 (Standard Offset Cleat) to run from Ridge to Eave.
2. Using a panning tool, fold up the pan of the panel at the Hip.
3. Install **T-238** panels as directed in this manual.
4. Cut individual Zee Closures with 1" Side Tabs from the MT-17 (Zee Closure). Apply a 3/16" x 7/8" Double Bead Tape Sealant to the bottom and sides of Zee Closures and install 2" down from end of panel. Fasten with 1/4-14 x 1 1/4" Tek2 ZAC fasteners at 0'-4" (Max.).
5. MT-5 (Hip Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

T-238 HIP DETAIL



MT-5: HIP CAP

1/4-14 X 7/8" LAP TEK FASTENER (@ 1'-0" O.C.)

T-238 ROOF PANEL

T-238 SEAM CAP

3/32" X 1" ROLL TAPE SEALANT (CONT. ALONG TOP OFFSET CLEAT)

1/4-14 X 1 1/4" TEK2 ZAC FASTENERS (@ 0'-4" O.C.)

#14-10 X 1 1/2" HWH TYPE A FASTENERS (@ 1'-0" O.C.)

T-238 CLIP

#14-10 X 1 1/2" TYPE A FASTENERS (2 PER CLIP)

MT-38: STANDARD OFFSET CLEAT

MT-17: ZEE CLOSURE (CUT AND FOLD 1" TABS ON SIDES. 3/16" X 7/8" DOUBLE BEAD TAPE SEALANT ON SIDES AND BOTTOM)

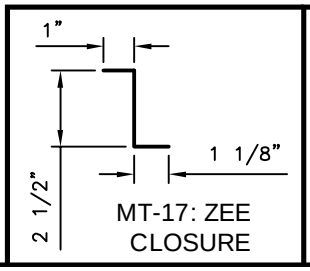
3/16" X 7/8" DOUBLE BEAD TAPE SEALANT (CONT. ALONG TOP OF CLOSURES)

LOW EAVE PLATE (PRE-DRILL 5/16" DIA. HOLES @ 1'-0" O.C. MAX.)

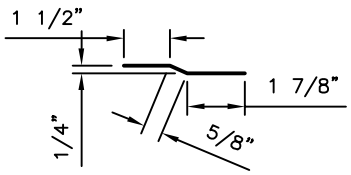
#30 PAPER FELT (NOT BY **TREMCO**)

PLYWOOD DECK (NOT BY **TREMCO**)

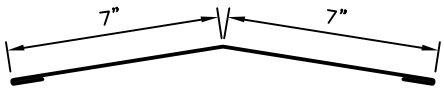
*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.



MT-17: ZEE CLOSURE



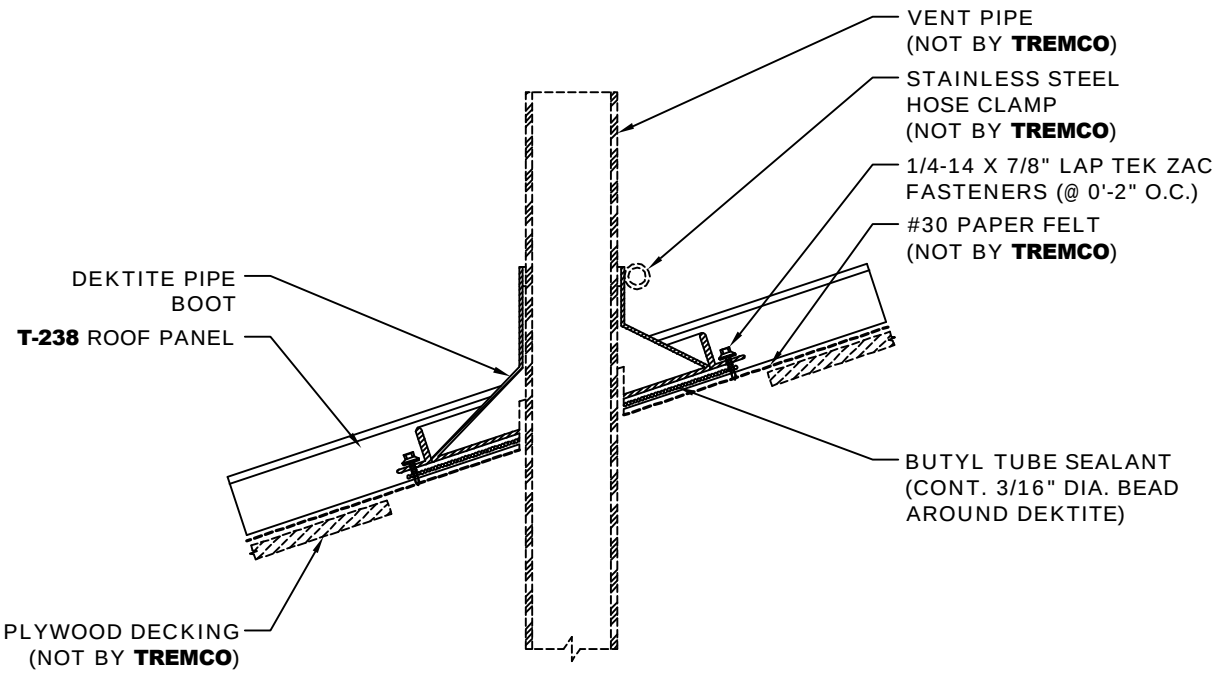
MT-38: STANDARD OFFSET CLEAT



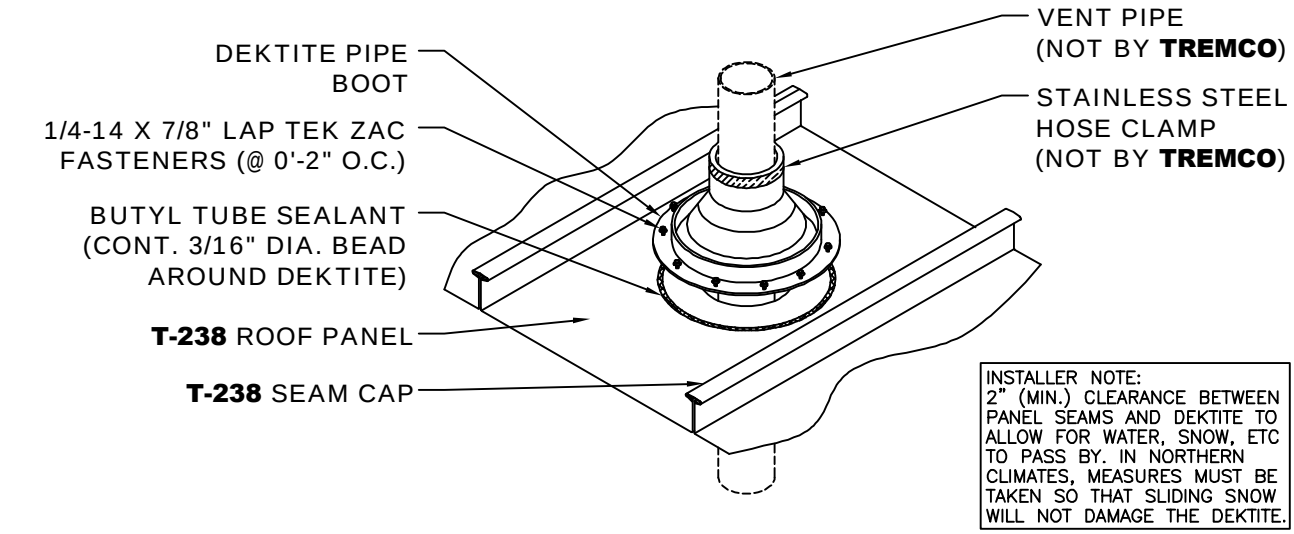
MT-5: HIP CAP

NOTES:
1. MT-5 (Hip Cap) to run from Eave to Ridge. MT-38 (Standard Offset Cleat) to run from Ridge to Eave.
2. Using a panning tool, fold up the pan of the panel at the Hip.
3. Install **T-238** panels as directed in this manual.
4. Cut individual Zee Closures with 1" Side Tabs from the MT-17 (Zee Closure). Apply a 3/16" x 7/8" Double Bead Tape Sealant to the bottom and sides of Zee Closures and install 2" down from end of panel. Fasten with 1/4-14 x 1 1/4" Tek2 ZAC fasteners at 0'-4" (Max.).
5. MT-5 (Hip Cap) laps 2". Apply 3/32" x 1" Butyl Tape and Pop Rivet trims to MT-38 (Standard Offset Cleat with Pop Rivets at Laps.

T-238 DEKTITE DETAIL

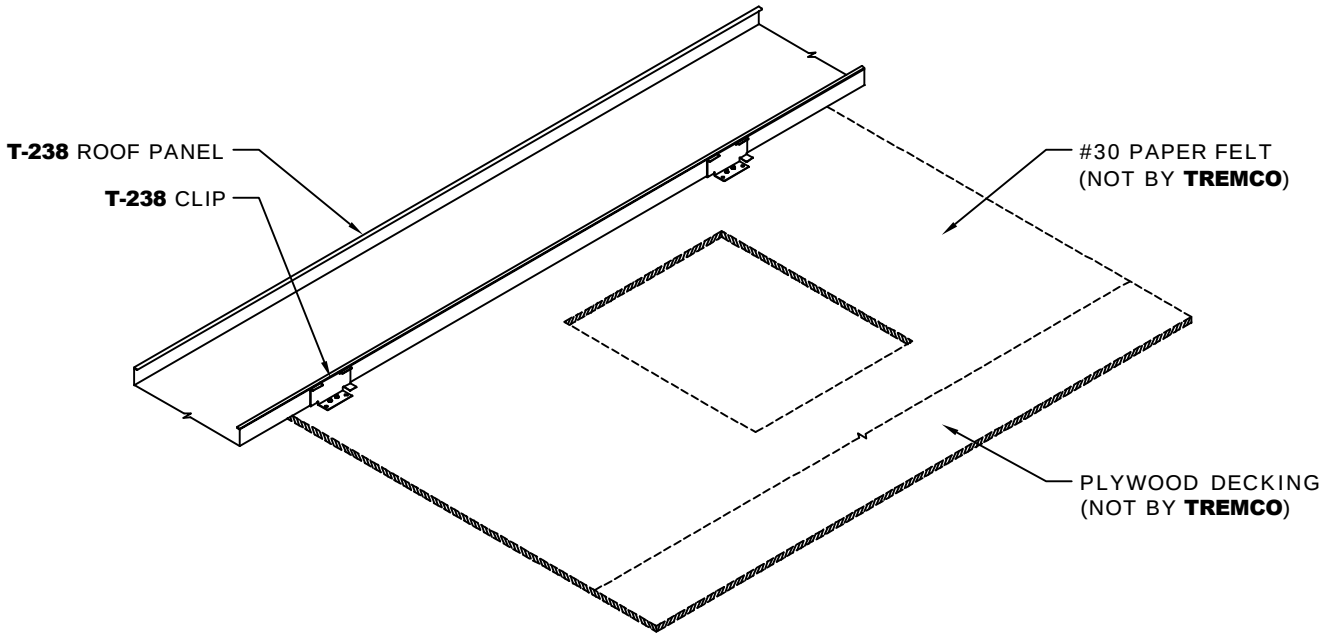


NOTES:
1. Cut hole in panel 1" larger than pipe diameter. If installing over a solid substrate, over-cut hole in substrate so fastener do not pin system from thermal movement.
2. Cut hole in top of Dektite Boot so that it fits snuggly around pipe. Apply a 3/16" Dia. bead of Tube Butyl sealant around the base flange of boot. Secure to panel with 1/4-14 x 7/8" Lap Tek ZAC fasteners 2" O.C.
3. Dektite boot MUST fit in pan of panel. Do not fasten to standing seams.



*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

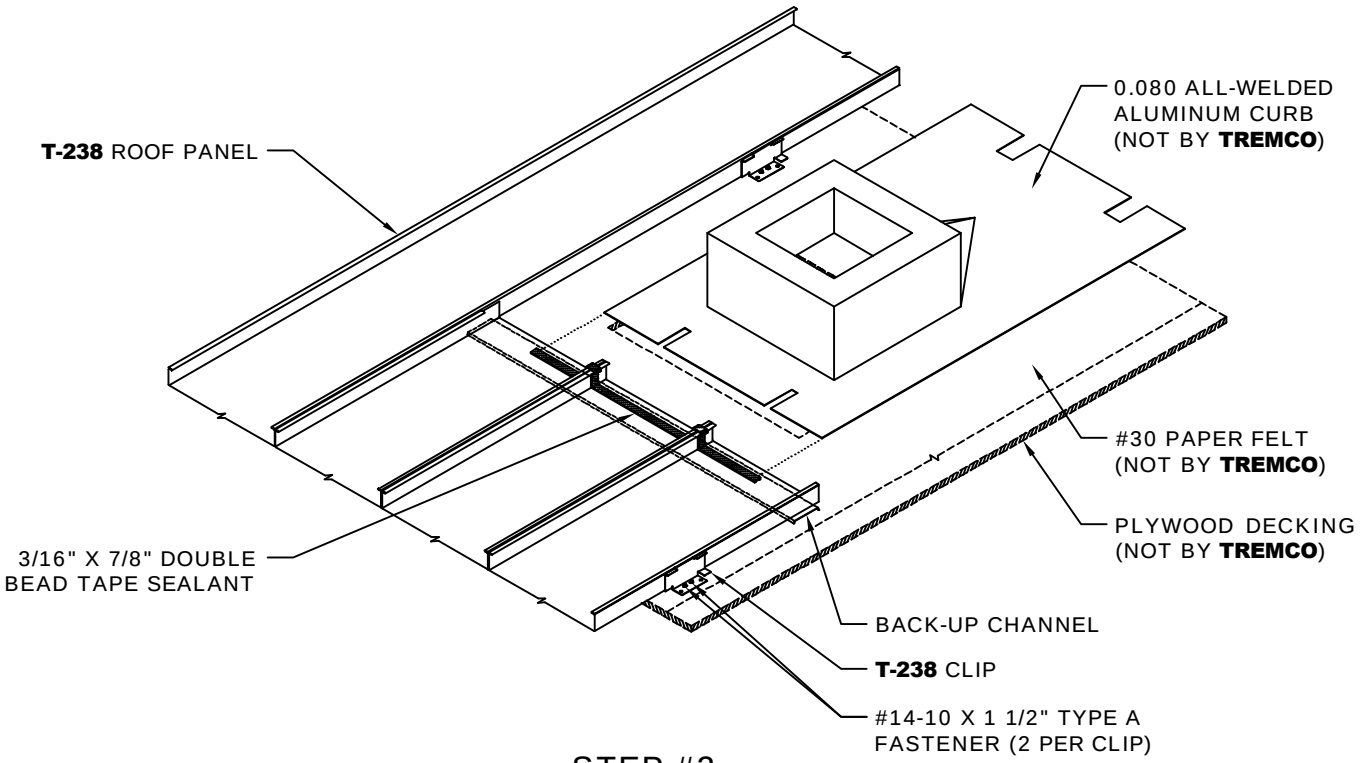
T-238 ROOF CURB DETAIL



STEP #1

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

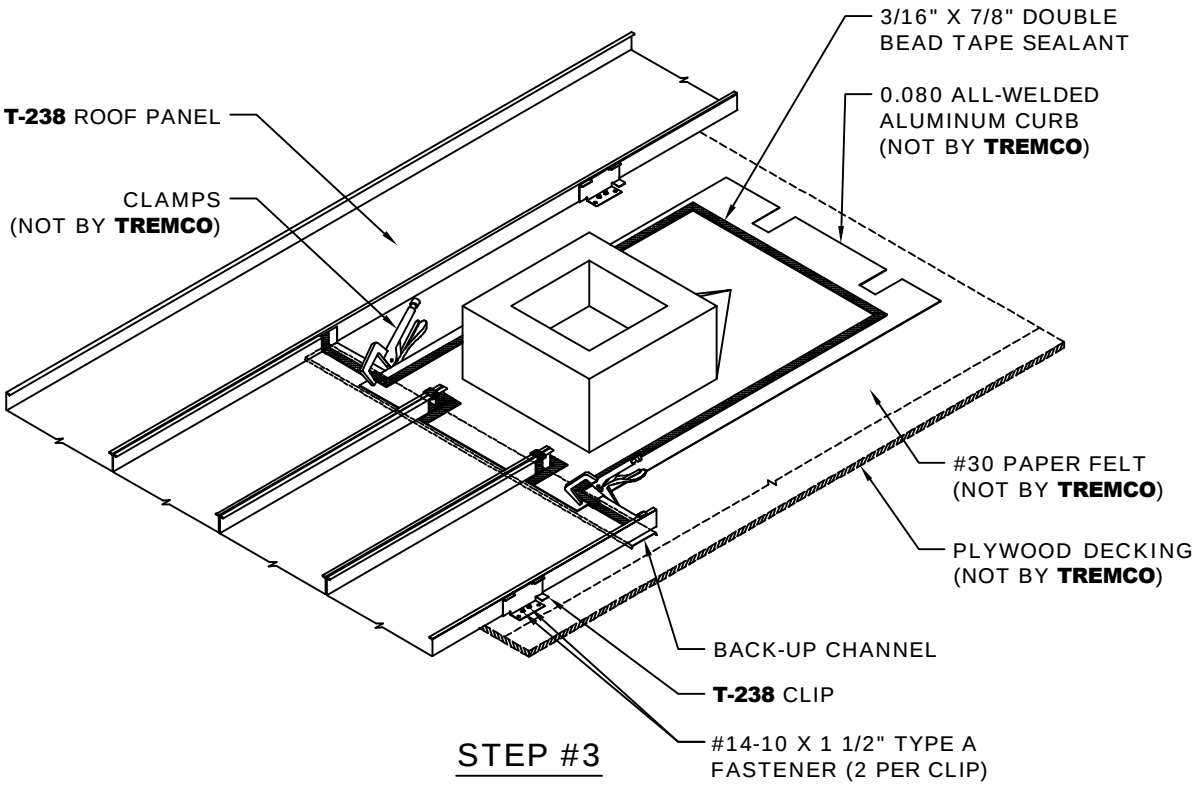
T-238 ROOF CURB DETAIL



STEP #2

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

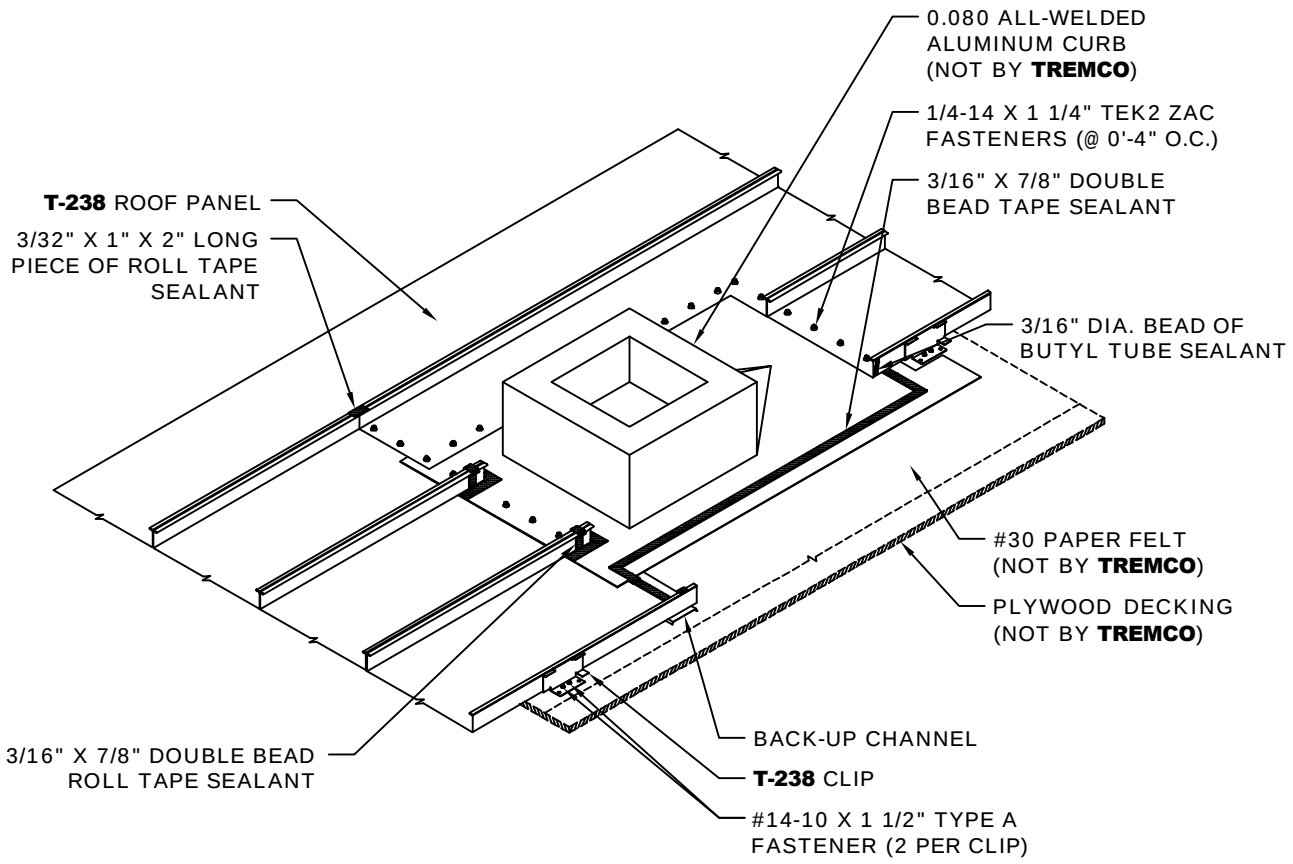
T-238 ROOF CURB DETAIL



STEP #3

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

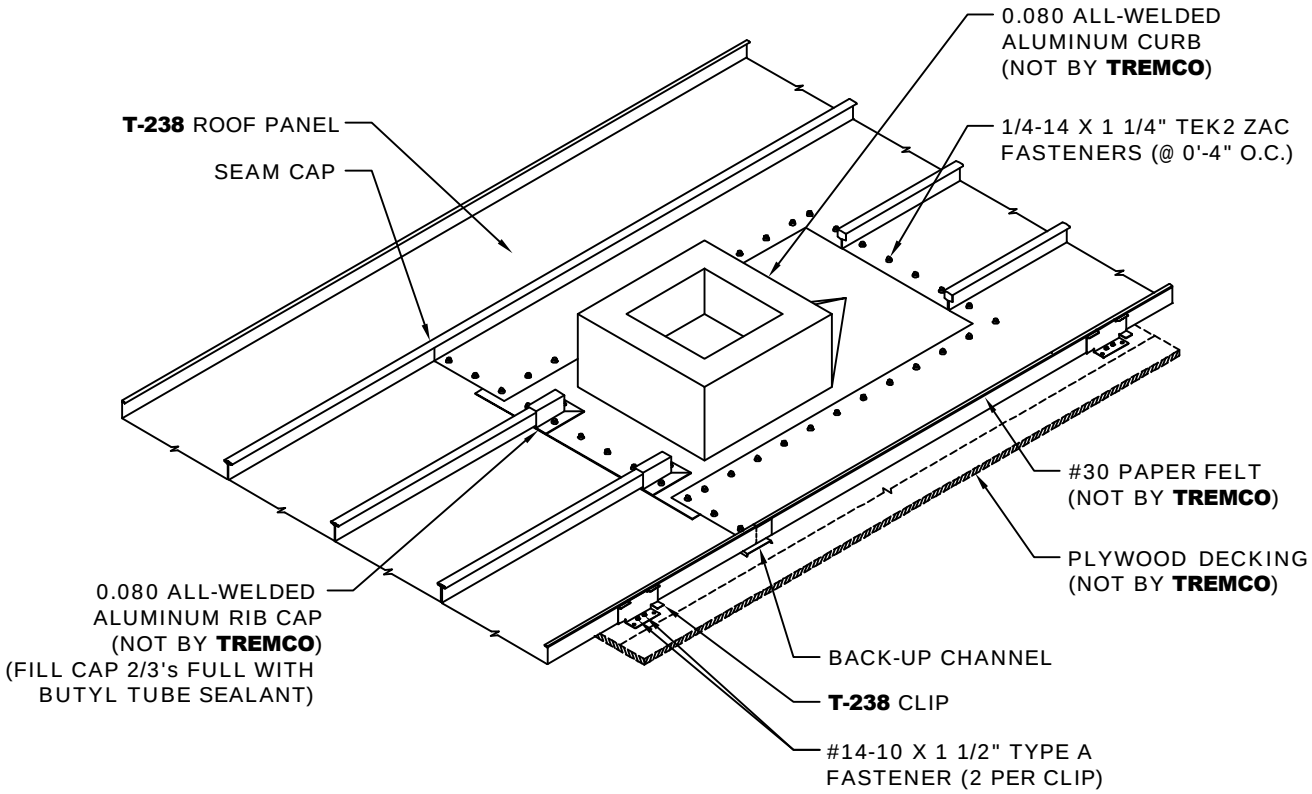
ROOF CURB DETAIL



STEP #4

*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

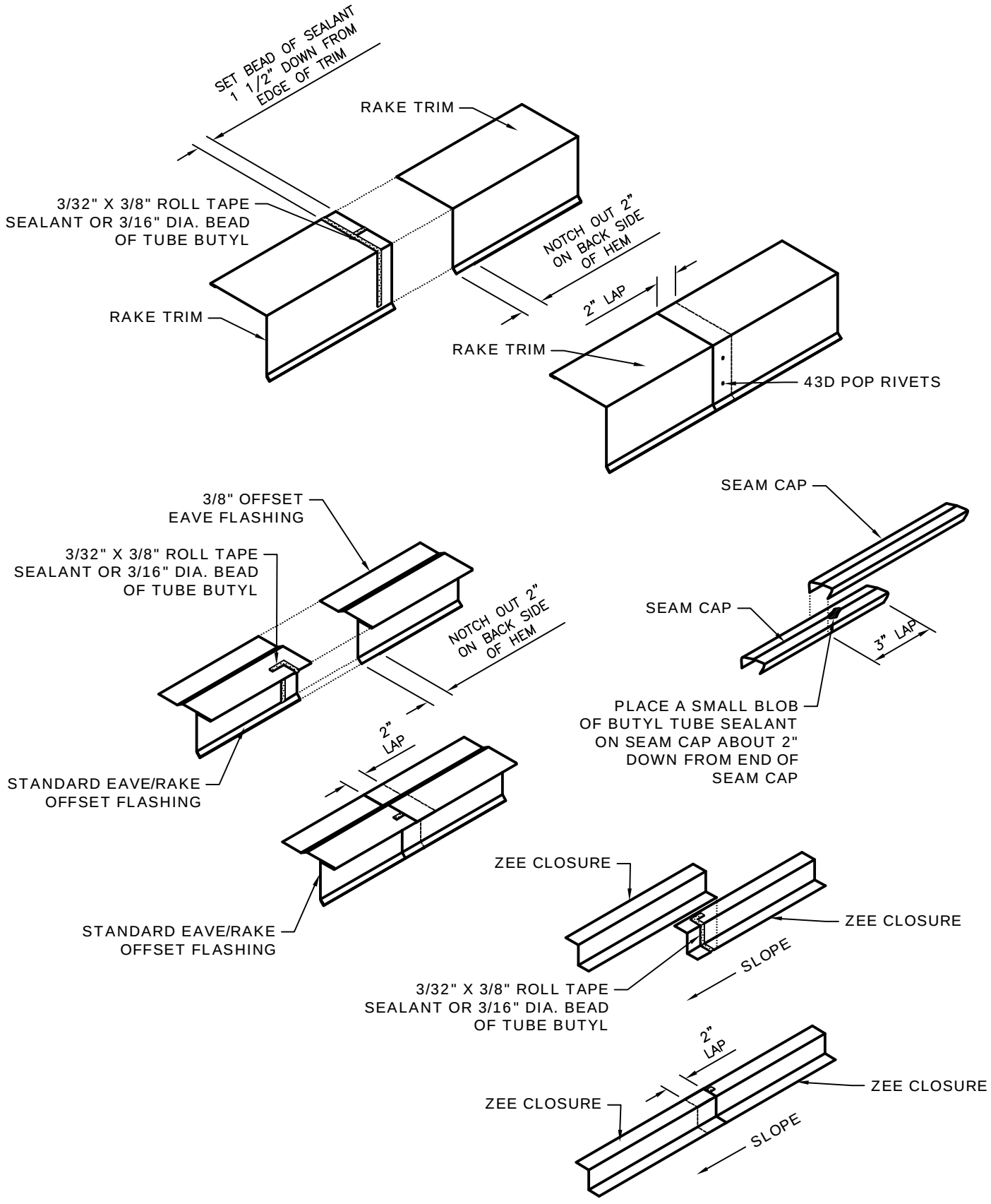
T-238 ROOF CURB DETAIL



STEP #5

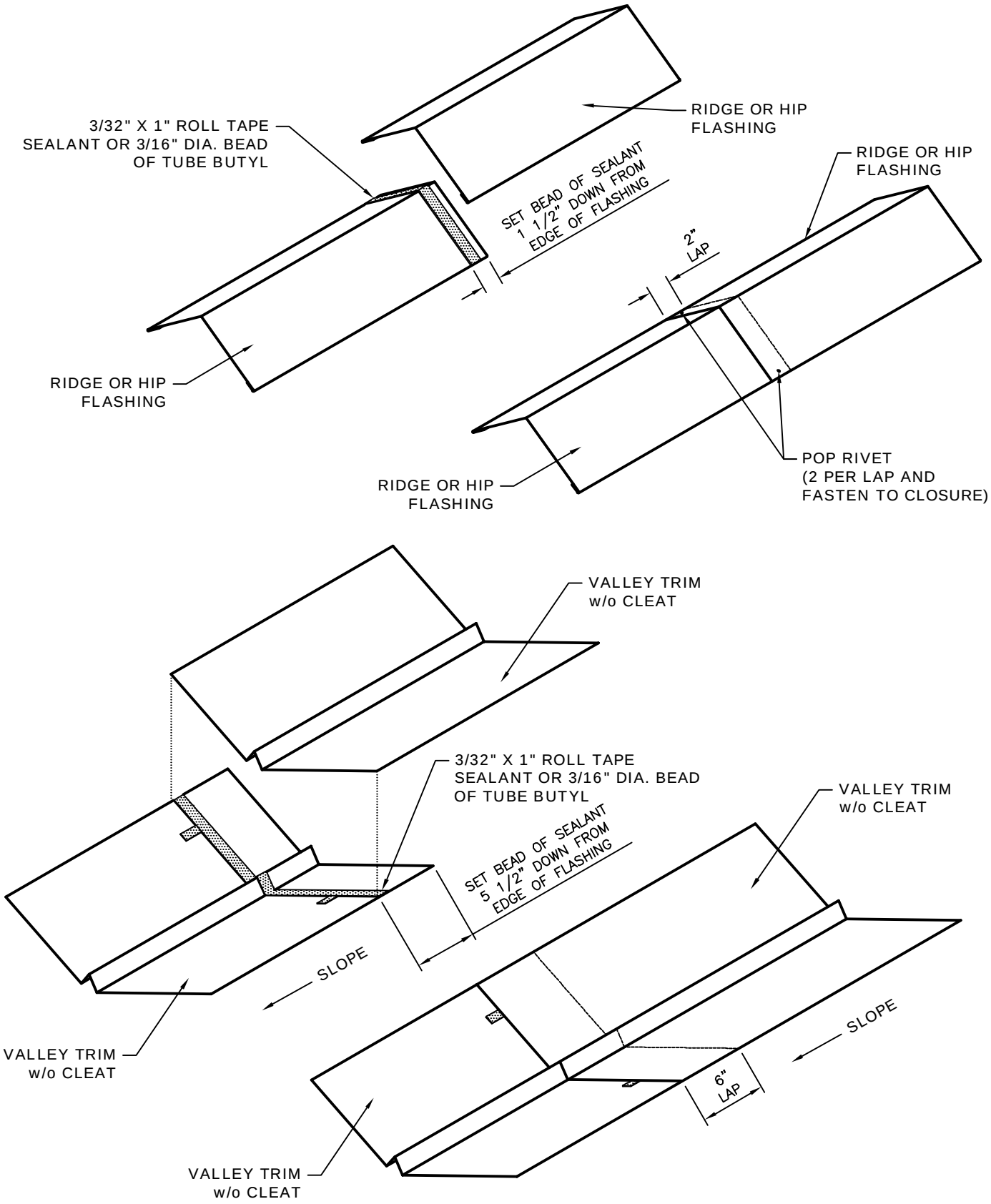
*NOTE: SOME TRIM ITEMS AND FASTENERS HAVE BEEN REMOVED FOR CLARITY OF ISOMETRIC DETAIL.

T-238 TYPICAL TRIM LAP DETAIL



NOTE: 1. Apply 3/32" x 3/8" Roll Tape Sealant or a 3/16" Dia. bead of Tube Butyl 1 1/2" back from the edge of the trim. Also, apply a piece of tape sealant or bead of Tube Butyl as a Pigtail to completely seal joint.
2. Notch the hems on the upper trim piece 2" so that the trim will fit flat in the lap joint.
3. Secure trim laps with Pop Rivets as shown above.

T-238 TYPICAL TRIM LAP DETAIL



NOTE: 1. Apply 3/32" x 1" Roll Tape Sealant or a 3/16" Dia. bead of Tube Butyl 1 1/2" back from the edge of the trim.
2. Notch the hems on the upper trim piece 2" so that the trim will fit flat in the lap joint.
3. Secure trim laps with Pop Rivets as shown above.

TREMCO
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8/10/18

TREMCO
Roofing & Building Maintenance

Ypsilanti Charter Township

Scope of Work for Maintenance Facility Roof M2

- Install Tremco T-238 shingle recovery system in accordance with manufacturers specifications. Color shall be selected by owner from standard color chart.
- Install all new metal trims and flashings at all perimeter and projection details.
- Seal all existing gutter joints with Clean and Prime, Geogard Seam Sealer, and 6” Permafab Reinforcement.
- Provide add alternate to replace all existing fascia, soffits, gutters downspouts.

OTHER BUSINESS

BOARD MEMBER UPDATES