

Agenda
Huron-Clinton Metropolitan Authority
Board of Commissioners Meeting
April 14, 2022 – 1:00 p.m.

Indian Springs Metropark (Environmental Discovery Center and via Zoom for the public)

<https://us02web.zoom.us/j/88520055982?pwd=cnUzK0FpM3Q1NmhOMHYrb0tKUFdLQT09>

Meeting ID: 885 2005 5982 / **Passcode:** HCMA2022

Dial by your location: +1 929 205 6099 (New York) / +1 301 715 8592 (Washington, D.C)

1. Call to Order
2. Chairperson's Statement
3. Public Participation
4. Approval – March 10, 2022 work session, public hearing and regular meeting minutes
5. Approval – April 14, 2022 Full Agenda

Consent Agenda

6. **Approval – March 10, 2022**
 - a. Approval – March 2022 Financial Statements
 - b. Approval – March 2022 Appropriation Adjustments **pg. 1**
 - c. Report – Capital Project Fund Update **pg. 3**
 - d. Report –Major Maintenance Update **pg. 9**
 - e. Bids – Hike/Bike Crack Filling, various locations **pg. 12**
 - f. Bids – Roadway Overbanding, various locations **pg. 13**
 - g. Bids – Variable Frequency Drive (VFD) Replacement, Turtle Cove, Lower Huron **pg. 14**
 - h. Bids – Dairy Barn Door Replacements, Wolcott Farm Center **pg. 15**
 - i. Bids – Park Office Communication Conduits, Willow **pg. 16**
 - j. Bids – Mulch Replacement, various locations **pg. 17**
 - k. Bids – Swing Replacement, Kensington **pg. 18**
 - l. Purchases
 1. Report – Purchases over \$10,000 **pg. 19**
 2. Total Spend and Vendor Location **pg. 20**
 3. Pick-up Truck, Lake St. Clair **pg. 22**
 4. Mulcher, Wolcott Farm Center **pg. 23**
 5. Mowers and Equipment, various golf courses **pg. 24**
 6. Outdoor Furnishings, all locations **pg. 27**

Regular Agenda

7. **Reports**
 - A. **Departmental Updates**
 1. Report – Natural Resources Update **pg. 30**
 2. Report – Planning and Development Update **pg. 37**
 3. Report – Interpretive Services Update **pg. 57**
 4. Report – DEI Update **pg. 64**
 5. Report – Marketing Update **pg. 67**
 - B. **Administrative Department**
 1. Approval – Print and Insert Summer Program Guides **pg. 75**
 2. Approval – DEI Speaker Series Presenter **pg. 76**
 3. Affirmation – Kensington Pump Station Repair **pg. 78**
 4. Report – Storm Water and Water Quality Partnership Plan **pg. 79**
 5. Report – BOC Workforce Subcommittee for Implemented Programs **pg. 87**
 6. Approval – Graduated Summer Bonus Program for Seasonal/Provisional Employees **pg. 89**

C. Financial Department

1. Report – Monthly Financial Review **pg. 91**

D. Planning and Development

1. Approval/Resolution – Accessible Launch Development, Lake Erie **pg. 101**

E. Engineering Department

1. Bids – Turtle Cove Waterslide Design and Construction Services, Lower Huron **pg. 119**
2. Bids – Iron Belle Trail, Lower Huron **pg. 193**
3. Bids – Road Repairs, Kensington **pg. 197**
4. Approval – Change Order, Willow Park Office **pg. 199**

8. Leadership Update

9. Other Business

10. Public Participation

11. Commissioner Comments

12. Motion to Adjourn

The next regular Metroparks Board meeting will take place

Thursday, May 12, 2022 – 1:00 p.m.

Stony Creek Metropark – Nature Center



To: Board of Commissioners
From: Shedreka Miller, Chief of Finance
Subject: Approval – March Appropriation Adjustments
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners approve the March 2022 Appropriation Adjustments as recommended by Chief of Finance Shedreka Miller and staff.

Background: The Metroparks ERP system provides a work-flow process to facilitate departmental budget management. Requested transfers are initiated by Department staff and routed to the appropriate Department Head/District Superintendent for review and approval. Finance provides a final review of the approved requests to verify that they do not negatively impact Fund Balance.

For the month of March, \$65,863 was transferred between general fund operation accounts. Transfers were also processed within the capital project fund totaling \$52,241. Tax adjustments resulted in a net increase in fund balance of \$34,204.

The result of these changes can be seen by Accounting Function and Location in the attached chart.

Attachment: Appropriation Adjustments

**Huron-Clinton Metropolitan Authority
March 2022 Appropriation Transfer Summary**

Location	Expense Increase/ Revenue Decrease	Expense Decrease/ Revenue Increase	Difference
Major Maintenance			
Administrative Office	\$ -	\$ 7,772	\$ (7,772)
Lake St. Clair	141	-	141
Kensington	2,851	-	2,851
Lower Huron/Willow	34,541	34,049	493
Stony Creek	305	-	305
Lake Erie	1,918	-	1,918
Wolcott	1,988	-	1,988
Huron Meadows	76	-	76
Total	\$ 41,821	\$ 41,821	\$ 0
Operations			
Lower Huron/Willow	\$ 921	\$ -	\$ 921
Administrative Office	23,121	24,042	(921)
Total	\$ 24,042	\$ 24,042	\$ -
Total General Fund Transfers			
	\$ 65,863	\$ 65,863	\$ 0
Capital Project Fund			
Administrative	\$ -	\$ 52,241	\$ (52,241)
Lake St. Clair	4,676	-	4,676
Kensington	2,404	-	2,404
Lower Huron/Willow/Oakwoods	16,921	-	16,921
Hudson Mills	6,776	-	6,776
Stony Creek	20,417	-	20,417
Lake Erie	1,047	-	1,047
Total	\$ 52,241	\$ 52,241	\$ -
Tax Adjustment			
	Revenue Decrease	Revenue Increase	Net
Current	\$ 25,949	\$ -	\$ 25,949
Prior	8,256	-	8,256
Total	\$ 34,204	\$ -	\$ 34,204



To: Board of Commissioners
From: Shedreka Miller, Chief of Finance
Subject: Report – Monthly Capital Project Fund
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file the Capital Project Fund report as submitted by Chief of Finance Shedreka Miller and staff.

Background: In 2018, the Board approved the creation of a capital project fund. To improve the information provided on specific capital improvement projects Finance developed a monthly performance report.

The following columns of data are provided by project:

- Life-To-Date Total Project Budget
- Year-To-Date Total Project Expenditures
- Life-To-Date Total Project Expenditures
- Current Project Encumbrances (Funds committed through the purchase order process)
- Balance (Life-To-Date Budget less Life-To-Date Expenditures and Current Encumbrances)

This information has now been augmented to include the original budget. In addition, a new page has been added which provides a more detailed description of the project as well as the current status of the project and the current estimate of what year the project will be completed. It is anticipated that this additional information will allow the Board as well as the general public to stay up-to-date on the capital project work underway throughout the Metroparks.

Expenditures during March 2022 were primarily related to staff time and a few payments for contracted work were made. The following projects had significant expenses during the month:

- Willow – Park Office Replacement
- Stony Creek – Boat Launch Building Redevelopment
- Lake Erie – Shoreline Restoration

Attachment: March 2022 Capital Project Fund Update

March Capital Project Fund Report - Project Summary

Location	Original Project Title	Project Description	Amended Budget	Available Grant Funding	Project Status	Estimated Completion Year
Lake St Clair	Black Creek Marsh Wetland Filtration Enhancement	A natural shoreline project which will remove rip-rap, regrade slope and install native vegetation which will improved filtration of water entering the marsh and improve habitat as well as reducing erosion.	299,922	160,000	To finish in Spring	2022
Lake St Clair	Accessible Kayak Launch & Power Installation		56,151		- In Design	2022
Lake St Clair	Backup Internet Fiber Installation	Comcast installation of underground fiber network	40,000		- Complete	2022
Lake St Clair	Electrical Grid Replacement	Assessments, cost estimates, and project development for future projects to address electrical power infrastructure upgrades and repairs.	807,064		- Currently finalizing alignment for phase I	2026
Lake St Clair	Beach Restoration	Multi-year EGLE grant project through 2023. Plantings and bird deterrents installation to improve water quality funding includes follow up water quality monitoring.	477,812	292,167	First phase complete	2023
Lake St Clair	Michigan Coastal Management Program-Accessible Launch	Accessible Kayak Launch - grant application has been made to Michigan Coastal Management Program.	392,850	196,425	In Design	2023
Lake St Clair	Entrance/Office Road Reconstruction	Reconstruction of deteriorating Entrance Road, Office road	1,103,771		- Budgeted	2023
Lake St Clair	Wood Bridge near Interpretive Center Replacement	Replace 70-foot long wood structure damaged over past 3 years due to high water. Requires permits.	62,000		- Budgeted	2022
Lake St Clair	Upgrade 4th Tollbooth	Purchase new portable booth. Directional bore power to unit for RecTrac system.	27,538		- Budgeted	2022
Kensington	West Boat Launch - Accessible Kayak Launch	Michigan Natural Resources Trust Fund grant funded project to develop an accessible kayak launch and associated site amenities at West Boat Launch.	413,412	154,000	In Design	2022
Kensington	Accessible Path from N Hickory Shelter to Restroom	Pave 580 lf path from shelter to restrooms per the ADA Transition Plan.	66,061		- Budgeted	2022
Kensington	Accessible Path from S Martindale Shelter to Vault & Beach	Pave 950 lf path from shelter to restrooms and beach area per the ADA Transition Plan. Include concrete work needed for access mat across beach sand.	85,813		- Budgeted	2022
Kensington	Accessible Path from N Martindale Shelter to Beach	Pave 250 lf path section along parking lot to connect shelter with beach area, food bar, and bathhouse.	30,212		- Budgeted	2022
Dexter	Delhi Launch & Take Out Renovations	Renovation of launch area at Delhi.	306,000	153,000	Budgeted	2022
Lower Huron	North Fishing Site Redevelopment	Land and Water Conservation Fund grant funded project to improve accessibility and site amenities at the Walnut Grove Campground.	297,399	144,400	Contruccion Completed-Awaiting Grant money	2022
Lower Huron	Backup Internet Fiber Installation	Comcast installation of underground fiber network	185,362		- In Construction	2022
Lower Huron	Toll Booth Replacement and Paving	Toll Booth replacement on existing pedestal at Oakwoods and Lower Huron - Beemis Road entrance.	30,000		- In Construction	2022
Lower Huron	Turtle Cove Crosswalk Path	Construction of a path and crosswalk from the Foxwoods parking lot to Turtle Cove	97,773		- In Design	2022
Lower Huron	Iron Bell Trail Project	Michigan Natural Resources Trust Fund grant funded project to extend the Iron Bell trail from its current terminus to the north park entrance (Huron River Drive)	844,424	488,742	Awaiting Grant Agreement	2022
Lower Huron	Walnut Grove Campground Improvements	Land and Water Conservation Fund grant funded project to improve accessibility and site amenities at the Walnut Grove Campground.	784,600	450,000	Awaiting Grant Agreement	2022
Lower Huron	Off Leash Dog Area Development	Land and Water Conservation Fund grant funded project to develop a new fenced in area for off leash dog activities	330,800	165,400	Awaiting Grant Agreement	2022
Lower Huron	New Slide Structure at Turtle Cove	Install new slide at Turtle Cover water park.	1,601,508		- Budgeted	2023
Lower Huron	Accessible Path from Hawthorne Glade N Shelter to Turtle Cove	Pave 1,285 lf path from shelter to restrooms and Turtle Cove area per the ADA Transition Plan.	110,000		- Budgeted	2022

March Capital Project Fund Report - Project Summary

Location	Original Project Title	Project Description	Amended Budget	Available Grant Funding	Project Status	Estimated Completion Year
Lower Huron	Accessible Path from Tulip Tree Shelter to Restrooms	Pave 330 lf path from shelter to restrooms per the ADA Transition Plan; this area is not included in the Walnut Grove campground LWCF grant project.	30,000		- Budgeted	2022
Hudson Mills	Backup Internet Fiber Installation	Comcast installation of underground fiber network	7,994		- Completed	2022
Hudson Mills	Rapids View area Development	Michigan Natural Resources Trust Fund grant funded project to develop an accessible kayak launch and associated site amenities at Rapids View	641,207	226,900	In Design	2022
Hudson Mills	Picnic Area Development at Canoe Launch	Michigan Natural Resources Trust Fund grant funded project to develop an accessible kayak launch and associated site amenities at Dexter-Huron	400,899	192,700	Awaiting Grant Agreement	2022
Hudson Mills	UST Removal	Removal of underground storage tank at Golf Course	30,295		- In Construction	2022
Hudson Mills	Replace Vault Toilet with CXT	Replace curren vault toilet with CXT.	110,071		- Budgeted	2022
Hudson Mills	Accessible Access to Activity Center Shelter	Pave 320 lf path from bike trail to AC shelter to make it ADA compliant. Include accessible tables/grill & concrete pad as part of project.	40,071		- Budgeted	2022
Hudson Mills	Convert Gas Storage Tanks for Above Ground	Conversion of gas storage tanks	127,273		- In Design	2022
Stony Creek	Shelden Trails Redevelopment	Redevelopment of the multi-use natural surface Shelden Trails system	863,845	50,000	In Construction	2022
Stony Creek	Boat Launch Building Redevelopment	Construction of a new restroom and shade structure at the boat lauch facility	1,964,035	50,000	In Construction	2022
Stony Creek	Development of Off Leash Dog Area	Michigan Natural Resources Trust Fund grant funded project to develop a new fenced in area for off leash dog activities	264,293		- In Construction	2022
Stony Creek	Backup Internet Fiber Installation	Comcast installation of underground fiber network	80,000		- Substantially Completed	2022
Stony Creek	26 Mile Rd. Connector - Bike Path	Transportation Alternatives Program grant (obtained by Macomb County) funded project to connect into the park from 26 Mile Road	23,490		- Design Complete - State is reviewing	2022
Stony Creek	Golf Course Pumphouse & Irrigation System Replacement	Replacement of intakes, pumps, controls, piping and heads. One year of design before construction.	1,000,000		- In Design	2023
Stony Creek	Accessible Path from Winter Cove N to Winter Cove S Shelters	Pave 625 lf in asphalt paths connecting both Wintercove shelters to lot, restroom and playground areas per the ADA Transition Plan.	56,012		- Budgeted	2022
Stony Creek	Accessible Path from W Branch North Shelter to Restroom	Pave 310 lf asphalt paths from shelter to restroom per the ADA Transition Plan.	58,299		- Budgeted	2022
Stony Creek	Develop Shelter in former Banquet Tent Area	Replace Banquet Tent with shelter.	500,000		- Budgeted	2022
Stony Creek	Seawall Repair & Washington Twp Fire Dept Boat Pier	Repair the seawall at the Boat Launch / update parking lot lighting. Incorporate pier for Washington Twp. FD & Metroparks police boat.	570,071		- Budgeted	2022
Stony Creek	Reflection Nature Trail Improvements	Removal and realignment of 1/2 mile of 6' wide asphalt path, 284 lf of 8-foot wide boardwalk, replacement of three existing footbridges, a 400sf overlook structure and pond dipping platform.	931,200	465,600	Budgeted	2022
Stony Creek	Hike Bike Path & Bridge Replacement btwn Winter Cove & Mt Vernon	Replace with precast bridge between Wintercove and Mt. Vernon, original structure (15' x 40') is failing, uneven decking and enrty, exit points. Leading to injuries from cyclists and rollerbladers. It is no longer safe to plow during the winter. Requires permits.	80,305		- Budgeted	2022
Willow	Park Office Replacement	Construction of a new park office building at the north end of Willow Metropark to replace the sub-standard legacy facility at Lower Huron Metroparks.	2,657,127		- In Construction	2022
Willow	Backup Internet Fiber Installation	Comcast installation of underground fiber network	-		- In Review	2022

March Capital Project Fund Report - Project Summary

Location	Original Project Title	Project Description	Amended Budget	Available Grant Funding	Project Status	Estimated Completion Year
Willow	Big Bend Shoreline Protection	National Fish and Wildlife Foundation SE MI Resilience Fund grant project to mitigate Huron River streambank erosion and improve habitat	512,404	250,000	Design Started	2023
Willow	Washago Pond Restoration	Removal of that dam structure, sheet pile walls and docks and subsequent site restoration.	904,171	-	Budgeted	2022
Willow	Accessible Path from Fox Meadows N & S Shelters to Pool	Pave 650 lf asphalt paths connecting both Fox Meadows shelters to the restroom and to the pool activity area/playground per the ADA Transition Plan.	65,000	-	Budgeted	2022
Oakwoods	Backup Internet Fiber Installation	Comcast installation of underground fiber network	-	-	In Review	2022
Oakwoods	Accessible Nature Trail Development	Land and Water Conservation Fund grant funded project to develop an accessible nature trail and make associated site improvements	250,294	124,000	Awaiting Grant Agreement	2022
Lake Erie	Shoreline and Fish Habitat Restoration	This shoreline project will regrade the existing shoreline, install native vegetation as well as creating near-shore shoals. Channels and pools will also be created in the nearby marsh. This work will improve fish spawning habitat.	1,629,229	1,404,353	In Construction	2022
Lake Erie	Boat Launch Fish Cleaning Station	Installation of an onsite fish cleaning station at the boat launch facility	45,000	122,500	Budgeted	2023
Lake Erie	Accessible Kayak Launch with Area Development	Land and Water Conservation Fund grant funded project to develop an accessible kayak launch and associated site amenities at the Boat Launch	245,406	-	Awaiting Grant Agreement	2023
Lake Erie	Cherry Island Nature Trail Improvements	Trail Improvements including aggregate trail from parking lot to new trail head and accessible amenities.	871,800	600,000	Awaiting Grant Agreement	2022
Lake Erie	Cove Point Vault Toilet Replacements	Cove Point vaults -removal/replacement of 2 vaults with CXTs.	100,035	-	Budgeted	2022
Lake Erie	Sewer Line Replacement at Boat Launch Building	Install new sewer line to service Boat Launch building, including pump upgrades and controls.	151,484	-	Budgeted	2022
Wolcott	Farm to Mill Trail Connector	Development of a connector trail from the Farm to the Mill. Multi year project design and construction	1,000,958	-	Budgeted	2024
Indian Springs	Backup Internet Fiber Installation	Comcast installation of underground fiber network	7,758	-	Completed	2022
Huron Meadows	Backup Internet Fiber Installation	Comcast installation of underground fiber network	-	-	In Review	2022
			<u>\$ 24,670,498</u>	<u>\$ 5,690,187</u>		

**Capital Project Status Report
As of 3/31/2022**

Location	Project Title	Original Budget	Amended Budget	Year to Date Transactions	Life to Date Transactions	Life to Date Encumbrance	Remaining Budget	Available Grant Funding
Lake St Clair	Black Creek Marsh Wetland Filtration Enhancement	253,000	299,922	-	97,616	-	202,306	160,000
Lake St Clair	Accessible Kayak Launch & Power Installation	50,000	56,151	6,151	6,151	-	50,000	
Lake St Clair	Backup Internet Fiber Installation	40,000	40,000	-	-	30,815	9,185	
Lake St Clair	Electrical Grid Replacement	802,216	807,064	4,519	63,268	53,196	690,600	
Lake St Clair	Beach Restoration	400,000	477,812	7,975	310,838	154,427	12,548	292,167
Lake St Clair	Michigan Coastal Management Program-Accessible Launch	392,850	392,850	-	5,022	-	387,828	196,425
Lake St Clair	Entrance/Office Road Reconstruction	1,100,000	1,103,771	3,771	3,771	-	1,100,000	
Lake St Clair	Wood Bridge near Interpretive Center Replacement	62,000	62,000	-	-	-	62,000	
Lake St Clair	Upgrade 4th Tollbooth	27,500	27,538	38	38	-	27,500	
Kensington	West Boat Launch - Accessible Kayak Launch	308,000	413,412	2,301	18,757	394,656	-	154,000
Kensington	Accessible Path from N Hickory Shelter to Restroom	65,000	66,061	1,061	1,061	-	65,000	
Kensington	Accessible Path from S Martindale Shelter to Vault & Beach	85,000	85,813	813	813	-	85,000	
Kensington	Accessible Path from N Martindale Shelter to Beach	30,000	30,212	212	212	-	30,000	
Dexter	Delhi Launch & Take Out Renovations	306,000	306,000	-	-	-	306,000	153,000
Lower Huron	North Fishing Site Redevelopment	288,800	297,399	-	290,799	-	6,600	144,400
Lower Huron	Backup Internet Fiber Installation	205,000	185,362	-	150,000	33,702	1,660	
Lower Huron	Toll Booth Replacement and Paving	30,000	30,000	-	21,840	-	8,160	
Lower Huron	Turtle Cove Crosswalk Path	90,000	97,773	-	7,773	81,353	8,648	
Lower Huron	Iron Bell Trail Project	716,700	844,424	9,682	58,189	17,809	768,426	488,742
Lower Huron	Walnut Grove Campground Improvements	784,600	784,600	-	-	-	784,600	450,000
Lower Huron	Off Leash Dog Area Development	330,800	330,800	-	-	-	330,800	165,400
Lower Huron	New Slide Structure at Turtle Cove	1,600,000	1,601,508	1,508	1,508	-	1,600,000	
Lower Huron	Accessible Path from Hawthorne Glade N Shelter to Turtle Cove	110,000	110,000	-	-	-	110,000	
Lower Huron	Accessible Path from Tulip Tree Shelter to Restrooms	30,000	30,000	-	-	-	30,000	
Hudson Mills	Backup Internet Fiber Installation	40,000	7,994	-	-	-	7,994	
Hudson Mills	Rapids View area Development	453,800	641,207	5,305	42,736	598,731	(260)	226,900
Hudson Mills	Picnic Area Development at Canoe Launch	385,500	400,899	3,498	15,399	-	385,500	192,700
Hudson Mills	UST Removal	-	30,295	1,251	7,568	22,728	-	
Hudson Mills	Replace Vault Toilet with CXT	110,000	110,071	71	71	-	110,000	
Hudson Mills	Accessible Access to Activity Center Shelter	40,000	40,071	71	71	-	40,000	
Hudson Mills	Convert Gas Storage Tanks for Above Ground	150,000	127,273	-	-	-	127,273	
Stony Creek	Shelden Trails Redevelopment	182,689	863,845	286,133	812,360	29,500	21,985	50,000
Stony Creek	Boat Launch Building Redevelopment	1,750,000	1,964,035	110,789	567,901	1,379,659	16,475	50,000
Stony Creek	Development of Off Leash Dog Area	138,500	264,293	3,934	221,185	700	42,408	
Stony Creek	Backup Internet Fiber Installation	80,000	80,000	-	-	70,407	9,593	
Stony Creek	26 Mile Rd. Connector - Bike Path	-	23,490	1,626	23,490	-	-	
Stony Creek	Golf Course Pumphouse & Irrigation System Replacement	1,000,000	1,000,000	-	-	-	1,000,000	
Stony Creek	Accessible Path from Winter Cove N to Winter Cove S Shelters	55,000	56,012	1,012	1,012	-	55,000	
Stony Creek	Accessible Path from W Branch North Shelter to Restroom	35,000	58,299	5,349	5,349	-	52,950	
Stony Creek	Develop Shelter in former Banquet Tent Area	500,000	500,000	-	-	-	500,000	
Stony Creek	Seawall Repair & Washington Twp Fire Dept Boat Pier	570,000	570,071	71	71	-	570,000	
Stony Creek	Reflection Nature Trail Improvements	931,200	931,200	-	-	-	931,200	465,600
Stony Creek	Hike Bike Path & Bridge Replacement btwn Winter Cove & Mt Vernon	800,000	80,305	305	305	-	80,000	
Willow	Park Office Replacement	2,121,300	2,657,127	200,191	2,075,730	477,860	103,537	
Willow	Backup Internet Fiber Installation	40,000	-	-	-	-	-	
Willow	Big Bend Shoreline Protection	501,593	512,404	8,939	22,534	4,132	485,737	250,000
Willow	Washago Pond Restoration	903,697	904,171	474	4,171	-	900,000	
Willow	Accessible Path from Fox Meadows N & S Shelters to Pool	65,000	65,000	-	-	-	65,000	
Oakwoods	Backup Internet Fiber Installation	40,000	-	-	-	-	-	
Oakwoods	Accessible Nature Trail Development	248,000	250,294	-	2,294	-	248,000	124,000
Lake Erie	Shoreline and Fish Habitat Restoration	1,600,000	1,629,229	23,631	231,512	1,123,358	274,359	1,404,353

**Capital Project Status Report
As of 3/31/2022**

Location	Project Title	Original Budget	Amended Budget	Year to Date Transactions	Life to Date Transactions	Life to Date Encumbrance	Remaining Budget	Available Grant Funding
Lake Erie	Boat Launch Fish Cleaning Station	45,000	45,000	-	-	-	45,000	122,500
Lake Erie	Accessible Kayak Launch with Area Development	245,000	245,406	-	406	-	245,000	
Lake Erie	Cherry Island Nature Trail Improvements	870,800	871,800	-	-	-	871,800	600,000
Lake Erie	Cove Point Vault Toilet Replacements	100,000	100,035	35	35	-	100,000	
Lake Erie	Sewer Line Replacement at Boat Launch Building	150,000	151,484	1,484	1,484	-	150,000	
Wolcott	Farm to Mill Trail Connector	1,000,000	1,000,958	-	958	-	1,000,000	
Indian Springs	Backup Internet Fiber Installation	40,000	7,758	-	-	-	7,758	
Huron Meadows	Backup Internet Fiber Installation	80,000	-	-	-	-	-	
		\$ 23,379,545	\$ 24,670,498	\$ 692,201	\$ 5,074,298	\$ 4,473,032	\$ 15,123,168	\$ 5,690,187



To: Board of Commissioners
From: Shedreka Miller, Chief of Finance
Subject: Report – Monthly Major Maintenance Update
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file the Major Maintenance report as submitted by Chief of Finance Shedreka Miller and staff.

Background: The Metroparks track the costs associated with periodic or infrequent repairs or maintenance that do not meet the criteria for capitalization in a function of our chart of accounts known as major maintenance. Staff uses a project accounting system to budget, record and report these costs.

This report is modeled after the revised Capital Project Fund report and the format includes the location, project title from the budget document, a brief description of the work, the original budget funding, the current amended budget, year-to-date transactions, life-to-date transactions, life-to-date encumbrance balance, the remaining budget and the project status.

Most major maintenance repairs are completed within one year. Occasionally projects require additional time to complete.

As of the end of March, some work from last year has finished up. Year-to-date expenses are 3.5 percent of the total budget so far this year.

Attachment: March 2022 Major Maintenance Status Update

Major Maintenance Status Report
as of 3/31/2022

Location	Project Title	Project Description	Original Budget	Amended Budget	Year to Date Transactions	Life to Date Transactions	Life to Date Encumbrance	Remaining Budget	Project Status
Administrative Office	Interior/Exterior Door Replacement	Replace Doors	-	15,908	0	0	17,957	(2,049)	Project completed, waiting on final payment
Administrative Office	Interior/Exterior Door Replacement	Replace Doors	20,000	0	0	0	0	0	Project brought over with 2021 funds
Lake St Clair	North/South Marina Dock Electrical	Replace electrical conductors that feed the power to the pedestals for boaters at the North Marina rental slips. Current electrical has been damaged due to high water levels	150,000	15,292	0	15,292	0	0	
Lake St Clair	Pool Slide Pump Conduit & Conductor Replacement	Replace pump on pool slide	-	154,723	0	171,122	0	(16,399)	Complete-2/14/22
Lake St Clair	Fishing Pier Replacements	Donation Funded project	-	177,627	2,500	8,477		169,150	Carry Over
Lake St Clair	Beach Soil/Containment Removal	In excess of 50,000 cubic yards of seaweed and other debris have accumulated from beach cleaning	-	50,000	49,250	49,250	0	750	Completed-1/24/22
Lake St Clair	Boardwalk Re-Surface of Remaining 1,100 ft	Continuation of decking Replacement and Repairs	150,000	990	990	990	0	0	
Lake St Clair	Stormwater Drainage Repairs on Culverts	Replacement of deteriorated culverts throughout the park	45,000	0	0	0	0	0	
Lake St Clair	Cart Path Repairs	Asphalt cart path surface repairs	26,191	0	0	0	0	0	
Kensington	Dam Concrete Work	Fix concrete spalling	247,000	3,698	0	3,698	0	0	
Kensington	Restripe roadways/crosswalks parkwide, accessible parking	Replacement of faded pavement markings	25,000	244	244	35	0	209	
Kensington	Repainting of Sprayzone towers and fence (at Martindale)	Painting of steel structures and fencing	100,000	0	0	0	0	0	
Kensington	Island Road repairs	Roadway Edge and Surface Repairs	438,000	3,650	3,650	1,379	0	2,271	In Design
Kensington	Spring Hill Swing Set Replacement	Replacement of old play equipment	30,000	370	370	0	0	370	
Kensington	Golf Course Pump Control Panels	Emergency repair of pump house control panels due to flooding	-	0	0	0	80,540	(80,540)	
Kensington	Trail Improvement - Martindale north to Shore Fishing	Replaces the existing failing asphalt surface on the bike trail	427,000	0	0	0	0	0	
Kensington	Shore Line Restoration (SLR-KEN-002/003)	Shoreline erosion mitigation	73,000	0	0	0	0	0	
Kensington	Boat Launch Building & Seawall Repairs	Repairs to the steel on the existing seawall	30,000	0	0	0	0	0	
Kensington	Replace culverts (CUL-Ken-041,85,89)	Replacement of old deteriorated culverts	17,000						
Lower Huron	Replacement of Starter Tub-Turtle Cove	Replacement of the starting tub for the Turtle Cove green tube slide. Located at the top of the slide tower, crane needed to assist in replacement.	-	26,490	0	9,098	17,392	0	
Lower Huron	Woods Creek Restroom Furnace	Install furnace in restroom closest to new Playground	-	11,265	11,265	11,265	0	0	Complete-2/3/22
Lower Huron	Turtle Cove UV Light Replacement	Replacement of ultraviolet disinfection for pool	25,000	14,299	0	0	14,299	0	In Progress
Lower Huron	Turtle Cove - Marcite Annual Repairs	General annual surface repairs	15,000	0	0	0	0	0	
Lower Huron	Turtle Cove Splash Pad Resurfacing	Splash area concrete surface coating	30,000	19,750	0	0	19,750	0	
Lower Huron	Lower Huron North End Parkway Resurfacing	Roadway surface repairs	650,000	0	0	0	0	0	
Lower Huron	Rebudget - Turtle Cove VFD Panels Replacement	Control panel variable speed drive controller replacements	35,000	0	0	0	0	0	
Lower Huron	Lower Huron Drainage/Culvert Replacement CUL LH 564 Camp Dr	Replacement of old deteriorated culverts	12,090	0	0	0	0	0	
Hudson Mills	Golf Starter Building Roof Replacement	Replacement of flat roof section	80,000	1,220	0	1,220	0	0	
Hudson Mills	Golf Course Pump Station Upgrades	Replacement pumps	-	66,000	0	65,000	1,000	0	Open
Hudson Mills	Cart Path Repairs	Asphalt cart path surface repairs	40,000	0	0	0	0	0	
Hudson Mills	Replace Outfalls (SDC-HUD-001, 009, 016) per Storm Mgmt Plan	Replacement of stormwater discharge culvert SDC) outfalls	14,000	0	0	0	0	0	
Stony Creek	Golf Course Culvert Installs for Water Drainage	Cut cart path and install culvert to eliminate wet areas	40,000	27,250	20,250	20,250	7,000	0	Open
Stony Creek	Pavement Markings	Address worst portions of trail and roadway	-	18,950	0	15,010	3,940	0	Open
Stony Creek	Restripping of park roads, hike-bike paths & crosswalks	Restripping of pavement markings	35,000	0	0	0	0	0	

Major Maintenance Status Report
as of 3/31/2022

Location	Project Title	Project Description	Original Budget	Amended Budget	Year to Date Transactions	Life to Date Transactions	Life to Date Encumbrance	Remaining Budget	Project Status
Stony Creek	Small Well Replacement	New well and controller for supplemental water well	30,000	305	305	305	0	0	
Stony Creek	Stormwater Drainage Repairs on Culverts	Replacement of deteriorated culverts	50,000	0	0	0	0	0	
Willow	Hike Bike Trail Reconstruction-Oakwoods Connector to Chestnut Rd	Hike bike trail resurface and correct drainage issue between Oakwoods and Willow Metroparks.	-	157,331	16,353	151,262	0	6,069	Completed-2/1/22
Willow	Hike Bike Trail CSX Crossing Accessibility Improvements	Trail Improvements	-	493	493	493	0	0	
Willow	Willow Woods creek Trailhead Relocation	Installation of new trailhead signage	15,000	0	0	0	0	0	
Lake Erie	Marina Building Use Evaluation	Marina Building Use Evaluation	-	30,000	0	20,500	7,500	2,000	Carry Over
Lake Erie	Boat Launch Sanitary Updates	Replacement of nonfunctioning sewer line and pumps	-	102	0	102	0	0	Carry Over
Lake Erie	Dredge Marina Channel and Relocate Spoils pile	Dredging and moving of previous spoils piles	150,000	5,229	8,340	11,377	3,352	(9,500)	In Design
Lake Erie	Marcite Repair at Shallow End of Wave Pool	Total replacement of the Wave pool shallow end marcite; roughly 12,500 sq ft.	-	388,918	0	67,067	321,852	0	Carry Over
Lake Erie	Wave Pool Plaza Cement Work	Various sections of cement around wave pool plaza; to include a section of the hike bike path behind pool mechanical building.	-	74,583	1,421	16,656	54,058	3,870	Carry Over
Lake Erie	Museum Wall Repair	Repair of leaning pation retaining wall	100,000	1,241	1,241	1,241	0	0	
Lake Erie	Golf Maintenance Building Repairs	Repair/replace a wall, window and exterior siding of the Lake Erie golf course maintenance building.	-	14,650	0	0	23,350	(8,700)	Carry Over
Lake Erie	Marina Boiler Vent Stack Repair	Repair of existing heating vent stack on the marina building	-	23,906	0	15,000	8,906	0	Carry Over
Lake Erie	Nature trail boardwalk repairs of Northern Trapper run	Repalcement of deteriorated wooded boardwalk	35,000	0	0	0	0	0	
Lake Erie	Replace electric wiring at Marina boat docks	Upgrade existing wiring to marina pedestals	50,000	0	0	0	0	0	
Lake Erie	SWMP Projects-Drainage/Culvert Replacement-LE036, 005, 006, 015	Replacement of deteriorated culverts	16,354	0	0	0	0	0	
Wolcott	Fill in Raceway at Mill	Project to look at filling in the raceway beneath the Mill	-	80,000	0	0	0	80,000	Carry Over
Wolcott	Door Replacement for Dairy Barn	Replace deteriorated doors	37,800	3,965	3,965	1,978	0	1,988	
Indian Springs	Dome Polishing & Seal Replacement. Carpet Replacement	Polishing and resealing of the interior and exterior surface of the underwater dome	-	271,873	2,347	265,728	1,158	4,988	Open
Indian Springs	Steel Beam Repair	Steel Beem at Repair at Golf Course	-	11,700	11,700	11,700	0	0	Completed-2/14/22
Indian Springs	Pumphouse Upgrades at Golf Course	Pumps house replacement of pump, valves, and controls	431,000	0	0	0	0	0	
Indian Springs	Replace Irrigation Head control system at Golf Course	Replacement of irrigation head control system	85,000	0	0	0	0	0	
Indian Springs	Replace Culverts (CUL-IND-22,29,34)	Repalce deteriorated culverts	16,000	0	0	0	0	0	
Huron Meadows	Golf Starter Building Roof Replacement	Replacement of the existing shingle roof on the starter building	75,000	25,653	76	25,653	0	0	Carry over
			<u>\$ 3,845,435</u>	<u>\$ 1,697,677</u>	<u>\$ 134,761</u>	<u>\$ 961,148</u>	<u>\$ 582,053</u>	<u>\$ 154,477</u>	



To: Board of Commissioners
 From: Mike Henkel, Chief of Engineering Services
 Project No: 800-22-021
 Project Title: Bids – Hike-Bike Trail Crack Filling
 Location: Lake St. Clair, Stony Creek, Indian Springs, Kensington, Hudson Mills, Lake Erie, Willow, and Oakwoods Metroparks, Macomb, Oakland, Washtenaw, and Wayne Counties
 Date: April 8, 2022
 Bids Opened: March 22, 2022 at 2:00 p.m.

Action Requested: Motion to Approve

That the Board of Commissioners award Contract No. 800-22-021 to the low responsive, responsible bidder, Wolverine Sealcoating LLC., in the amount of \$32,000 as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: The bids for the project came in at the budgeted amount of \$32,000.

Scope of Work: Work includes crack filling on the shared use paths at multiple locations. The project was bid on a unit price basis per pound of joint sealant, with a total contract amount equal to the budgeted amount of \$32,000 for all the locations. The project is necessary to help preserve and extend the life of pavement surfaces.

<u>Contractor</u>	<u>City</u>	<u>Total Pounds</u>	<u>Unit Price per Pound</u>	<u>Amount</u>
1 Wolverine Sealcoating LLC DEI <input type="checkbox"/> Local <input type="checkbox"/> Wage <input type="checkbox"/>	Jackson	29357.76	\$1.09	\$32,000.00
2 SJR Pavement Repair, INC. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Warren	24060.16	\$1.33	\$32,000.00
3 T&M Asphalt Paving, Inc. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Milford	12,400.00	\$2.50	\$32,000.00
Budget Amount for Contract Services				\$32,000.0
Work Order Amount				
- Contract Amount Wolverine Sealcoating LLC.				\$32,000.00
- Contract Administration				<u>\$ 3,000.00</u>
o Total Proposed Work Order Amount				<u>\$35,000.00</u>

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Construction Connect, Construction Market Data, Dodge Data & Analytics, Washtenaw Contractors Association, Construction News Corporation, Construction News Service, Construction Journal, HCMA Website.



To: Board of Commissioners
 From: Mike Henkel, Chief of Engineering Services
 Project No: 800-22-020
 Project Title: Bids – Roadway Overbanding
 Location: Lake St. Clair, Stony Creek, Indian Springs, Kensington, Lower Huron, Lake Erie, Willow Metroparks, Macomb, Oakland, Washtenaw and Wayne Counties
 Date: April 8, 2022
 Bids Opened: March 22, 2022 at 2:00 p.m.

Action Requested: Motion to Approve

That the Board of Commissioners (1) award Contract No. 800-22-020 to the low responsive, responsible bidder, T & M Asphalt Paving, Inc., in the amount of \$66,220; and (2) transfer \$9,220 from the Fund Balance to cover the cost of the project as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: The project was budgeted at \$57,000. The project is \$9,220 overbudget.

Scope of Work: Work includes overbanding on 13.25 roadbed miles of park roads. The project was bid for sections of roadbed miles for each location identified through out various parks. The project is necessary to preserve and extend the life of the paved surface by mitigating the intrusion of water.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
1 T&M Asphalt Paving, Inc. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Milford	\$66,220.00
2 Scodeller Construction DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Wixom	\$67,500.00
3 SJR Pavement Repair , Inc. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Shelby Twp.	87,972.97
4 National Industrial Maintenance, Inc. DEI <input type="checkbox"/> Local <input type="checkbox"/> Wage <input type="checkbox"/>	East Chicago	\$90,462.50
Budget Amount for Contract Services		\$57,000.00
- Fund Balance		<u>\$ 9,220.00</u>
o Total		\$66,220.00
Work Order Amount		
- Contract Amount T&M Asphalt Paving Inc.		\$66,220.00
- Contract Administration		<u>\$ 3,000.00</u>
o Total Proposed Work Order Amount		\$69,220.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Construction Connect, Construction Market Data, Dodge Data & Analytics, Washtenaw Contractors Association, Construction News Corporation, Construction News Service, Construction Journal, HCMA Website.



To: Board of Commissioners
 From: Mike Henkel, Chief of Engineering Services
 Project No: 706-22-199
 Project Title: Bids – Variable Frequency Drive (VFD) Panel Replacement
 Project Type: Major Maintenance
 Location: Lower Huron Metropark
 Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners award contract 70-22-199 to Lotus Electric, Inc., in the amount of \$33,169.80 as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: Funding for the project is under budget in the amount of \$1,830.20. The project was budgeted at \$35,000.00.

Scope of Work: The work includes the replacement of the variable frequency drive (VFD) control panel for the water pumps for the Turtle Cove water features.

Background: Park staff was having issues with the control panel last year. The issue was thought to be a power supply issue; however, after further investigation, the control panel for the variable frequency drive was found to be the issue and needing to be replaced. The pumps are still operational in manual mode.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Lotus Electric, Inc. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Shelby Twp.	\$33,169.80
Kennedy Industries DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Washington	\$36,590.00
Peerless Midwest, Inc. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Shelby Twp.	\$42,014.11
Budget Amount for Contract Services		
- Turtle Cove VFD Replacement		\$35,000.00
Work Order Amount		
- Contract Amount Lotus Electric Inc.		\$33,169.80
- Contract Administration		<u>\$ 5,000.00</u>
o Total Proposed Work Order Amount (Rounded)		\$38,170.00



To: Board of Commissioners
 From: Mike Henkel, Chief of Engineering Services
 Project No: 713-22-058R
 Project Title: Bids – Dairy Barn Door Replacements
 Project Type: Major Maintenance
 Location: Wolcott Mill Metropark
 Date: April 8, 2022

Bids Received: March 31, 2022

Action Requested: Motion to Approve

That the Board of Commissioners award contract 713-22-058 to Aspen Door Supply LLC in the amount of \$33,060 as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: The project is \$4,740 under budget and was budgeted at \$37,800.

Scope of Work: The work includes the removal and installation of six doors at the dairy barn.

Background: Park staff has requested the replacement due to deterioration and issues with the doors not functioning properly. This is the second time the project has gone out to bid.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Aspen Door Supply, LLC DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Troy	\$33,060.00
Rayhaven Group DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input checked="" type="checkbox"/>	Livonia	\$42,485.00
J.T. Maurer Building Company Inc. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Plymouth	\$50,370.00

Budget Amount for Contract Services	
- Door Replacement for Dairy Barn	\$37,800.00
Work Order Amount	
- Contract Amount Aspen Door Supply, LLC	\$33,060.00
- Contract Administration	<u>\$ 6,000.00</u>
o Total Proposed Work Order Amount	\$39,060.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Construction Connect, Construction Market Data, Dodge Data & Analytics, Washtenaw Contractors Association, Construction News Corporation, Construction News Service, Construction Journal, HCMA Website.



To: Board of Commissioners
 From: Mike Henkel, Chief of Engineering Services
 Project No: 510-22-322
 Project Title: Bids – Willow Park Office Communication Conduit
 Project Type: Capital Improvement
 Location: Willow Metropark
 Date: April 8, 2022

Bids Received: March 4, 2022

Action Requested: Motion to Approve

That the Board of Commissioners (1) award contract 510-22-322 to Amcomm Telecommunications in the amount of \$33,808.35; and (2) approve the transfer of \$33,808.35 from the Fund Balance to cover the cost of the project as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: This is an unbudgeted project for 2022.

Scope of Work: The work includes the installation of approximately 1,000 feet of four-inch conduit by directional boring.

Background: Staff is seeking to complete this work to expedite future connectivity to the new Willow park office. Discussions started this year with AT&T on a location to connect into their fiber optic service. AT&T requires the installation of a conduit for the installation of the future cable. The conduit would be installed from their current location in the maintenance yard to the existing building. Comcast, which currently provides back up communications for the parks, is still working on crossing I-275 and that work will be completed at a future date; however, it is not expected at this time that a conduit will be necessary for their installation.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Amcomm Telecommunications DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Brighton	\$33,808.35
Corby Energy DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Belleville	\$46,479.00
J Ranck Electric DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Shelby Twp.	\$49,300.00
Budget Amount for Contract Services		
- Park Office Communication Conduit		\$ 0.00
- Fund Balance		<u>\$33,808.35</u>
o Total		\$33,808.35
Work Order Amount		
- Contract Amount – Amcomm Telecommunications		\$33,808.35
- Contract Administration		<u>\$ 1,000.00</u>
o Total Proposed Work Order Amount		\$34,808.35



To: Board of Commissioners
From: Jay Bibby, Interim Chief of Planning and Development
Project No: 800-22-019
Project Title: Bids – Mulch Replacement
Project Type: Park Operations
Location: Stony Creek, Kensington, Indian Springs, Huron Meadows, Hudson Mills, Dexter-Huron, Delhi, Lower Huron, Willow and Lake Erie Metroparks
Date: April 8, 2022

Action Requested: Motion to approve

That the Board of Commissioners accept the proposal from the low responsive, responsible bidder Penchura LLC, for \$42,700.50 to replace wood fiber playground surfacing at 10 Metroparks as recommended by Interim Chief of Planning and Development Jay Bibby and staff.

Fiscal Impact: This project is over budget by a total of \$4,620.50. Mulch replenishment was budgeted in 2022 as line items in the individual operational budgets for each of the 10 Metroparks listed above. Sufficient funds are available in the 2022 budget to cover this cost overage.

Scope of Work: Replenishment of wood fiber playground surfacing (playground mulch).

Background: This project is for the annual replenishment of playground mulch throughout the Metroparks system.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Penchura LLC	Brighton, MI	\$42,700.50



To: Board of Commissioners
From: Jay Bibby, Interim Chief of Planning and Development
Project No: 704-22-377
Project Title: Bids – Spring Hill Swing Replacement
Location: Kensington Metropark
Date: April 8, 2022

Action Requested: Motion to approve

That the Board of Commissioners accept the proposal from the low responsive, responsible bidder, Penchura LLC, for \$21,155 to replace and relocate the three-bay set of swings located at the Spring Hill picnic area at Kensington Metropark, as recommended by Interim Chief of Planning and Development Jay Bibby and staff.

Fiscal Impact: This project is \$8,845 under budget. Swing replacement was budgeted in 2022 as a line item in the Kensington Metropark operational budget.

Scope of Work: The three-bay set of swings will be moved and an accessible aggregate walk will be constructed to its new location. Other scope items include plastic perimeter edging, wear mats under the swings, belt seats, tot seats and accessible harness seats.

Background: The existing set of swings were damaged by a fallen tree and had to be removed from use in 2021.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Penchura LLC	Brighton, MI	\$21,155
Michigan Rec. Construction, Inc.	Howell, MI	\$21,899



To: Board of Commissioners
From: Amy McMillan, Director
Project Title: Update – Purchases over \$10,000
Date: April 8, 2022

Action Requested: Receive and File

That the Board of Commissioners receive and file the update for purchases over \$10,000, up to, and including \$25,000 as submitted by Director Amy McMillan and staff.

Background: On May 9, 2013, the Board approved the updated financial policy requiring the Director to notify the Board of purchases exceeding \$10,000, up to, and including \$25,000.

The following list contains purchases exceeding the \$10,000 threshold:

<u>Vendor</u>	<u>Description</u>	<u>Price</u>
1. Traci Kim	Consulting/Employee Training	\$11,250
2. Access Interactive LLC	Dell S4128F with three-year support	\$17,962
3. PK Contracting	Turtle Cove Endurablend Surfacing Lower Huron	\$19,750
4. Printwell, Inc.	Summer Program Guide	\$20,490.46



To: Board of Commissioners
From: Amy McMillan, Director
Project Title: Purchases – Total Spent and Vendor Locations
Date: April 8, 2022

Action Requested: Receive and File

That the Board of Commissioners receive and file the update for total spent and vendor locations as submitted by Director Amy McMillan and staff.

Background: Each month the Purchasing Department summarizes the total amount spent on capital equipment purchases, major maintenance, and park projects and includes the location of vendors, either within or outside the Metroparks five-county region as well as the effect of DEI, living wage, and the Metroparks local preference policy.

Attachment: Award Requests

Award Requests for April 2022

Vendor	Vendor Location	Description	Park Location	Total Request	Five-County	Greater Michigan	Outside Michigan	Effect of DEI, Living Wage, and Local Preference Policies
T & M Asphalt Paving, Inc.	Milford	Roadway Overbanding	Lake St. Clair, Stony Creek, Indian Springs, Kensington, Lower Huron, Lake Erie, Willow Metroparks	\$ 66,220.00	\$ 66,220.00			
Wolverine Sealcoating LLC.,	Jackson	Hike-Bike Trail Crack Filling	Lake St. Clair, Stony Creek, Indian Springs, Kensington, Hudson Mills, Lake Erie, Willow, and Oakwoods	32,000.00		\$ 32,000.00		
AL's Asphalt Paving Company	Taylor	Iron Belle Trail North Extension	Lower Huron	749,277.00	749,277.00			
Water Technology Inc.	Beaver Dam, WI	New Slide Structure Design and Construction Services	Lower Huron	189,700.00			189,700.00	
Amcomm Telecommunications	Brighton	Willow Park Office Communication Conduit	Willow	33,808.35	33,808.35			
Asphalt Specialists, LLC	Pontiac	Island Road Repairs	Kensington	395,065.00	395,065.00			
Lotus Electric, Inc.	Shelby Twp.	Turtle Cove VFD Panel Replacement	Lower Huron	33,169.80	33,169.00			
Aspen Door Supply, LLC.	Troy	Dairy Barn Door Replacements	Wolcott Mill	33,060.00	33,060.00			
Gorno Ford	Woodhaven	F-150 4x4	Lake St. Clair	32,875.00	32,875.00			
Dick Coulter	North Branch	Brillion Mulcher	Wolcott Farm Center	27,524.00		27,524.00		
Spartan Distributors	Auburn Hills	Grounds and Golf Course Mowers/Equipment	Hudson Mills, Lake Erie, Indian Springs, Lake St. Clair, Kensington, Lower Huron, Willow, Oakwoods	757,792.07	757,792.07			
Multiple Vendors Awarded by Line Item for Various Outdoor Furnishings				127,597.12				
R.J. Thomas Manufacturing Company	Cherokee, IA	Picnic Tables, Small ADA Grills	All, Varies by Line Item				72,030.92	
Ave Solutions	Detroit	Large ADA Grills			15,290.00			
Valmec, Inc.	Fenton	Steel Trash Cans, Steel Hot Coal Drums				32,276.20		
Rugged Steel Works, LLC	Ft. Wayne, IN	Lodal Containers					8,000.00	
Totals:				\$2,478,088.34	\$2,116,556.42	\$91,800.20	\$269,730.92	
Percent of Total Award Request:					85.41%	3.70%	10.88%	



To: Board of Commissioners
From: Travis Grubb, Senior Buyer
Project No: MiDeal #071B7700181
Project Title: Cooperative Purchase of a F-150 4x4
Location: Lake St. Clair Metropark
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners approve the cooperative purchase of a 2022 Ford F-150 SuperCab 4x4 for \$32,875 from Gorno Ford of Woodhaven, Michigan through the state of Michigan's MiDeal cooperative contract #071B7700181 as recommended by Travis Grubb, Senior Buyer and staff.

Fiscal Impact: Funds will come from the Board approved 2022 Capital Equipment budget, which allowed \$25,000 for the purchase. The \$32,875 price is \$7,875 over budget. The additional \$7,875 will come from savings realized from future capital equipment purchases.

Scope of Work: Furnish and deliver one 2022 Ford F-150 SuperCab 4x4.

Background: The proposed purchase was competitively bid; however, the pricing received through the Metroparks bid process was deemed to be noncompetitive when compared to available cooperative contract options.

The Invitation to Bid was posted on the Michigan Intergovernmental Trade Network's website, which provided notice of the solicitation to 87 vendors. Of the 87 notified vendors, 10 vendors downloaded the ITB documents and a single bid was received from Feldman Ford for \$39,560.

Upon reviewing the single bid, the Purchasing department solicited a quote through the state of Michigan's MiDeal cooperative contract #071B7700181 from Gorno Ford in an attempt to secure the best possible pricing, which resulted in a savings of \$6,685 compared to the bid price received through ITB 2022-008.

The new truck will replace an existing truck in the Metroparks fleet (a 2007 Ford F-150 with approximately 160,000 miles – unit 341), which will be sold at the annual auction.



To: Board of Commissioners
From: Travis Grubb, Senior Buyer
Project No: ITB 2022-005
Project Title: Purchase – Brillion Mulcher
Location: Wolcott Farm Center
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners approve the purchase of one new Brillion MLS1803 mulcher for \$27,524 from Dick Coulter of North Branch, Michigan, the lowest responsive and responsible bidder as recommended by Senior Buyer Travis Grubb and staff.

Fiscal Impact: Funds will come from the Board approved 2022 Capital Equipment budget, which allowed \$25,500 for the purchase of the equipment. The \$27,524 bid price is \$2,024 over budget. The additional \$2,024 will come from savings realized from future capital equipment purchases.

Scope of Work: Furnish and deliver one new Brillion MLS1803 mulcher.

Background: Dick Coulter has offered a trade-in allowance of \$6,000 for the existing mulcher. The trade-in will be added to the Fund Balance and will allow the Metroparks to dispose of the existing mulcher before its annual auction, avoiding additional maintenance and transportation costs. The proposed equipment will replace an existing mulcher (a 1994 Brillion ML1801 mulcher – unit 1425), which is 27 years old and beyond its useful life

The proposed purchase was competitively bid and posted on the Michigan Intergovernmental Trade Network’s website, which provided notice of the solicitation to 35 vendors. Of the 35 notified vendors, 11 downloaded the ITB documents and two submitted bids.

<u>Vendor</u>	<u>Location</u>	<u>Price</u>
Dick Coulter*	North Branch, MI	\$27,524
Tri-County Equipment	Sandusky, MI	\$33,326

() Indicates recommended award*



To: Board of Commissioners
 From: Travis Grubb, Senior Buyer
 Project No: ITB 2022-007
 Project Title: Purchase – Grounds and Golf Course Mowers/Equipment
 Locations: Hudson Mills, Indian Springs, Kensington Lake Erie, Lake St. Clair, and Lower Huron/Willow/Oakwoods Metroparks
 Date: April 8, 2021

Action Requested: Motion to Approve

That the Board of Commissioners approve the purchase of 11 pieces of grounds and golf course mowers/equipment for \$757,792.07 from Spartan Distributors of Auburn Hills, Michigan, the lowest responsive and responsible bidder as recommended by Travis Grubb, Senior Buyer and staff.

Fiscal Impact: Funds will come from the Board approved 2022 Capital Equipment Budget, which allowed \$757,690 for the purchase of the equipment. The \$757,792.07 price is \$102.07 over budget. The \$102.07 will come from savings from future capital equipment purchases.

Scope of Work: Furnish and deliver the following pieces of grounds and course mowers/equipment:

<u>QTY</u>	<u>Location</u>	<u>New Equipment</u>	<u>Equipment Replaced</u>
1	Hudson Mills	Toro Greensmaster 3320 Triflex Mower	Unit 1804: 2007 Toro 3100 with 2964 hours
1	Indian Springs	Toro Groundsmaster 4000-D Model 30609	Unit 1912: 2005 Toro 4000D with 3102 hours
1	Kensington	Toro Groundsmaster 4700-D Model 30887	Unit 276: 2013 Toro 4700D with 4188 hours
1	Kensington	Toro Groundsmaster 4000-D Model 30609	N/A
1	Kensington	Toro Multi-Pro Sprayer 5800G Model 41394	Unit 303: 2007 Toro 5700D with 1676 hours
1	Lake Erie	Toro Groundsmaster 4000-D Model 30609	Unit 2106: 2009 John Deere 1600 with 2323 hours
1	Lake Erie	Toro Greensmaster 3320 Triflex Mower	Unit 948: Sold at Auction in 2021
1	Lake St. Clair	Toro Pro Force Debris Blower Model 44538	Unit 1729: 2009 Agrimetal BWT180 Blower
1	Lower Huron/Willow/Oakwoods	Toro Groundsmaster 4000-D Model 30609	Unit 354,1427,1947: all sold at Auction in 2021
1	Lower Huron/Willow/Oakwoods	Toro Reelmaster 5510-D Mower	Unit 1907: 2009 John Deere 2500B with 3230 hours
1	Lower Huron/Willow/Oakwoods	Toro Greensmaster 3320 Triflex Mower	Unit 1806: 2009 John Deere 7700 with 2678 hours

Spartan Distributors has offered a trade-in allowance of \$6,000 for one of the Metroparks existing mowers (2007 Toro 5700D - HCMA #303), which has 1676 hours of usage. The trade-in allowance offered by Spartan Distributors will be added to the fund balance and will allow the Metroparks to dispose of the mower before its annual auction, avoiding additional maintenance and transportation costs. All other equipment being replaced will be sold through the annual auction.

Background: Metroparks staff has had years of experience with Toro mowers and the equipment has been reliable and relatively easy to maintain. Parts have been readily available and repairs, when necessary, have been completed in a timely fashion with loaner equipment provided by Spartan Distributors. The Metroparks operates with a lean fleet of equipment and does not have extra mowers to use when equipment fails, which makes keeping and maintaining tried and tested mowers extremely important.

Given the dependability of the equipment and quality of service, the Metroparks has largely standardized its fleet of golf course mowers/equipment to the Toro brand. Standardizing the fleet has allowed maintenance garages throughout the Metroparks to develop and maintain a consistent stock of parts and supplies necessary for maintaining the equipment such as filters, belts, reels, and blades and gives them the ability share parts as needed.

The proposed purchase was competitively bid and posted on the Michigan Intergovernmental Trade Network's website, which provided notice of the solicitation to 55 vendors. Of the 55 vendors, 21 vendors downloaded the ITB documents and two submitted bids, which are summarized below (unless otherwise indicated, prices include a two-year warranty).

Toro Groundsmaster 4000-D (Configuration 1, Qty 2)

- | | | |
|------------------------------|------------------|---------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$176,978.84* |
| • Revels Turf and Tractor | Livingston, MI | \$159,957.06 |
| ○ offering John Deere | | |

Toro Groundsmaster 4000-D (Configuration 2, Qty 1)

- | | | |
|------------------------------|------------------|--------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$88,087.37* |
| • Revels Turf and Tractor | Livingston, MI | \$79,745.35 |
| ○ offering John Deere | | |

Toro Groundsmaster 4000-D (Configuration 3, Qty 1)

- | | | |
|------------------------------|------------------|--------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$84,505.77* |
| • Revels Turf and Tractor | Livingston, MI | \$79,231.83 |
| ○ offering John Deere | | |

Toro Greensmaster 3320 (Configuration 1, Qty 1)

- | | | |
|------------------------------|------------------|--------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$48,552.41* |
| • Revels Turf and Tractor | Livingston, MI | \$53,023.17 |
| ○ offering John Deere | | |

Toro Greensmaster 3320 (Configuration 2, Qty 1)

- | | | |
|------------------------------|------------------|--------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$45,640.89* |
| • Revels Turf and Tractor | Livingston, MI | \$50,508.74 |
| ○ offering John Deere | | |

Toro Greensmaster 3320 (Configuration 3, Qty 1)

- | | | |
|------------------------------|------------------|--------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$60,085.07* |
| • Revels Turf and Tractor | Livingston, MI | \$60,439.54 |
| ○ offering John Deere | | |

Toro Greensmaster 4700

- | | | |
|------------------------------|------------------|---------------|
| • Spartan Distributors, Inc. | Auburn Hills, MI | \$101,680.19* |
| • Revels Turf and Tractor | Livingston, MI | No Bid |
| ○ offering John Deere | | |

Toro Reelmaster 5510-D

- Spartan Distributors, Inc.
- Revels Turf and Tractor
 - offering John Deere

Auburn Hills, MI
Livingston, MI

\$77,996.00*
\$77,374.05

Toro Pro Force Debris Blower

- Spartan Distributors, Inc.
 - No warranty included on this item
 - optional 10-gal fuel tank
- Revels Turf and Tractor
 - offering Turfco Turbine Blower

Auburn Hills, MI

\$9,154.20*

Livingston, MI

\$708.06*
\$10,665.33

Toro Multi Pro Sprayer 5800G

- Spartan Distributors, Inc.
- Revels Turf and Tractor
 - offering John Deere

Auburn Hills, MI
Livingston, MI

\$63,939.99*
\$75,560.00

() indicates recommended award*



To: Board of Commissioners
From: Travis Grubb, Senior Buyer
Project No: ITB 2022-004 & ITB 2022-010
Project Title: Metroparks Outdoor Furnishings
Location: All Locations
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners approve the awards of ITB 2020-004 and ITB 2022-010 to the lowest responsive responsible bidders by line item, as indicated below, for the purchase of various outdoor furnishings totaling \$127,597.12 as recommended by Travis Grubb, Senior Buyer and staff:

- Award of a purchase order in the amount of \$72,030.92 to R.J. Thomas Manufacturing Company of Cherokee, Iowa for 118 6-foot, 25 8-foot Universal Access picnic tables, and 22 Small ADA accessible standard picnic grills.
- Award of a purchase order in the amount of \$15,290 to Ave Solutions of Detroit, Michigan for 17 Large ADA accessible standard picnic grills.
- Award of purchase order in the amount of \$32,276.20 to Valmec, Inc. of Fenton, Michigan for 285 30-gallon steel trash drums and 132 16-gallon steel hot coal drums includes estimated \$3,100 in shipping charges.
- Award of a purchase order in the amount of \$8,000 to Rugged Steel Works, LLC of Ft. Wayne, Indiana for 8 1.5 cubic yard local containers.

Fiscal Impact: Funds are available in the Board approved 2022 budget, which included \$128,527 for all outdoor furnishing items across the Metroparks. The total purchase of furnishing will be \$127,597.12

Scope of Work: Furnish and deliver Metropark outdoor furnishings in specified quantities. Furnishings include ADA accessible and Universal Access picnic tables, grills, trash barrels, hot coal barrels and local containers.

Background. The ITB was competitively bid and posted on the Michigan Intergovernmental Trade Network (MITN) site, which provided notice of the solicitation to 304 vendors, from which 22 vendors downloaded the ITB. Select items were reposted for solicitation on ITB 2022-010. The second ITB was posted on the Michigan Intergovernmental Trade Network (MITN) site, which provided notice of the solicitation to 49 vendors, from which 17 vendors downloaded the ITB.

Bid amounts below are for the total quantity of an item requested by HCMA.

<u>Vendor</u>	<u>Location</u>	<u>Amount</u>
Picnic Tables Bids 6-foot (118 tables)		
• R.J. Thomas Mfg. Co. Inc*	Cherokee, IA	\$62,381.84*
• Jamestown Advanced Products Corp.	Jamestown, NY	\$72,999.36
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$89,760
• BSN Sports LLC	Dallas, TX	no bid
• Valmec, Inc	Fenton, MI	no bid
• Ave Solutions	Detroit, MI	no bid
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
Picnic Tables Bids 8-foot (25 tables)		
• R.J. Thomas Mfg. Co. Inc*	Cherokee, IA	\$4,816.44*
• Jamestown Advanced Products Corp.	Jamestown, NY	\$5,322.69
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$8,955
• BSN Sports LLC	Dallas, TX	no bid
• Valmec, Inc	Fenton, MI	no bid
• Ave Solutions	Detroit, MI	no bid
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
Grill Bids – ADA Small (22 grills)		
• R.J. Thomas Mfg. Co. Inc*	Cherokee, IA	\$6,378.25*
• Jamestown Advanced Products Corp.	Jamestown, NY	\$7,125.66
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$10,695
• BSN Sports LLC	Dallas, TX	no bid
• Valmec, Inc	Fenton, MI	no bid
• Ave Solutions	Detroit, MI	no bid
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
Grill Bids – ADA Large (15 grills)		
• Ave Solutions*	Detroit, MI	\$15,266*
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$17,085
• BSN Sports LLC	Dallas, TX	\$18,622.31
• Valmec, Inc	Fenton, MI	no bid
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
• Jamestown Advanced Products Corp.	Jamestown, NY	no bid
• R.J. Thomas Mfg. Co. Inc	Cherokee, IA	no bid
Grill Bids – ADA Large with Shelf (2 grills)		
• Ave Solutions*	Detroit, MI	\$1,922*
• BSN Sports LLC	Dallas, TX	\$2,190.86
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$3,350
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
• Jamestown Advanced Products Corp.	Jamestown, NY	no bid
• R.J. Thomas Mfg. Co. Inc	Cherokee, IA	no bid
• Valmec, Inc	Fenton, MI	no bid

Trash Barrel Bids (285 30-gallon steel drum)

• Valmec, Inc*	Fenton, MI	\$22,786.40*
• Jamestown Advanced Products Corp.	Jamestown, NY	\$37,766.58
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$44,759
• Ave Solutions	Detroit, MI	\$100,160
• BSN Sports LLC	Dallas, TX	\$132,236.24
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
• R.J. Thomas Mfg. Co. Inc	Cherokee, IA	no bid

Hot Coal Barrel Bids (132 16-gallon steel drum)

• Ave Solutions*	Detroit, MI	\$15,266*
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$17,085
• BSN Sports LLC	Dallas, TX	\$18,622.31
• Rugged Steel Works LLC	Ft. Wayne, IN	no bid
• Jamestown Advanced Products Corp.	Jamestown, NY	no bid
• R.J. Thomas Mfg. Co. Inc	Cherokee, IA	no bid
• Valmec, Inc	Fenton, MI	no bid

Lodal Bids (10 lodal containers)

• Rugged Steel Works LLC	Ft. Wayne, IN	\$8,000*
• Jamestown Advanced Products Corp.	Jamestown, NY	\$8,640
• J Ranck Electric, Inc	Mt. Pleasant, MI	\$11,620
• BSN Sports LLC	Dallas, TX	no bid
• Valmec, Inc	Fenton, MI	no bid
• Ave Solutions	Detroit, MI	no bid
• R.J. Thomas Mfg. Co. Inc	Cherokee, IA	no bid

() indicates recommended award.*



To: Board of Commissioners
From: Tyler Mitchell, Chief of Natural Resources and Regulatory Compliance
Subject: Report – Monthly Natural Resources Update
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file the monthly Natural Resources Report as recommended by Chief of Natural Resources and Regulatory Compliance and staff.

Attachment: Monthly Natural Resources Report



NATURAL RESOURCES MONTHLY REPORT

APRIL 2022

Administrative Office
13000 High Ridge Drive
Brighton, MI 48814



[METROPARKS.COM](https://www.metroparks.com)

SYSTEM-WIDE

ADMINISTRATIVE

- Permitting and planning for late spring/early summer lake treatments.
- Preparation, submittal, review of burn prescriptions for spring fire programs.
- Hiring of new staff for open full-time and part-time positions.
- Grant reporting and administration for several ongoing grant projects.
- Planning early season invasive species and wildlife programs.



Figure 1: Group of Mallard hens navigate the Black Creek Marsh at Lake St. Clair Metropark

SOUTHERN DISTRICT

LAKE ERIE METROPARK

- Shoreline excavation planning, permitting, and archaeological survey and monitoring continue prior to construction.
- Marsh enhancement dredging project will proceed in July as conditions allow.
- Natural Resource and Natural Areas crew to assist in excavation and seeding project, in shoreline and marsh restoration areas.

WILLOW METROPARK

- Planning for spring work in Big Bend shoreline restoration and green infrastructure improvement projects continues.

OAKWOODS METROPARK

- Planned repair of culvert in Sky-Come-Down trail area to prevent seasonal flooding of trails, in partnership with The Nature Conservancy, to be funded by grant.



Figure 2: Shoreline at Lake Erie Metropark.

WESTERN DISTRICT

KENSINGTON MEADOWS METROPARK

- Early season invasive species control in high priority areas.

INDIAN SPRINGS METROPARK

- Prescribed fire planned in several units, utilizing Metroparks staff and contractors.

HUDSON MILLS METROPARK

- Prescribed fire planned in restored prairie along B2B trail in Southern park area.



Figure 3: Field crews install prescribed fire “break” at Kensington Metropark.

EASTERN DISTRICT

STONY CREEK METROPARK

- Preparation for prescribed fire in several units of the park.

LAKE ST. CLAIR METROPARK

- Tree removals as ground conditions allow for hazard trees killed off due to historic high-water levels, or wildlife damage.

WOLCOTT MILL METROPARK

- Invasive shrub control work continues for staff in priority areas.
- Prescribed fire in contracted burn units.



Figure 4: Hazardous tree felled as a result of beaver damage.

WHAT'S NEXT?

SYSTEM-WIDE

- Prescribed fire to occur at several parks, conducted by contracted and in-house staff.
- Spring invasive species survey and control.
- Planning of 2022 lake treatments, and permitting of that work.
- Canada Goose programs and permitting.

SOUTHERN DISTRICT

- Shoreline excavation and grading, and marsh dredging at Lake Erie Metropark
- Big Bend restoration planning, beginning grading work for prairie plantings
- Eastern Prairie Fringed Orchid survey and habitat management

WESTERN DISTRICT

- Garlic mustard treatment planning and contracting.

EASTERN DISTRICT

- Shoreline restoration grading and seeding at Lake St. Clair
- Lake St. Clair Groundwater study approval.



To: Board of Commissioners
From: Jay Bibby, Interim Chief of Planning and Development
Project Title: Planning and Development Department Monthly Update
Date: April 8, 2022

Action Requested: Receive and file

That the Board of Commissioners receive and file the Planning and Development Department Monthly update as recommended by Interim Chief of Planning and Development Jay Bibby and staff.

Background: The following are highlights of the activities of the Planning and Development Department for April 2022:

Project/Initiative Implementation

- Exploring funding opportunity for Congressional appropriations for community projects, application for the Lake St. Clair North Marina improvements
- Adaptive ballfield concept plan for facility at Lower Huron kick off meeting in coordination with RIM (DMC's Rehabilitation Institute) through their adaptive sports program
- DTE application for E-Fleet program for first Electric Vehicle pilot project

Planning & Community Engagement

- Hudson Mills and Lower Huron five-year updates for master plans underway with steering committee meetings along with public input outreach and engagement
- Big bend restoration stakeholder meeting three planned for April

Programming

- MOU agreement being finalized between the Metroparks and PEAC (Programs to Educate All Cyclists)

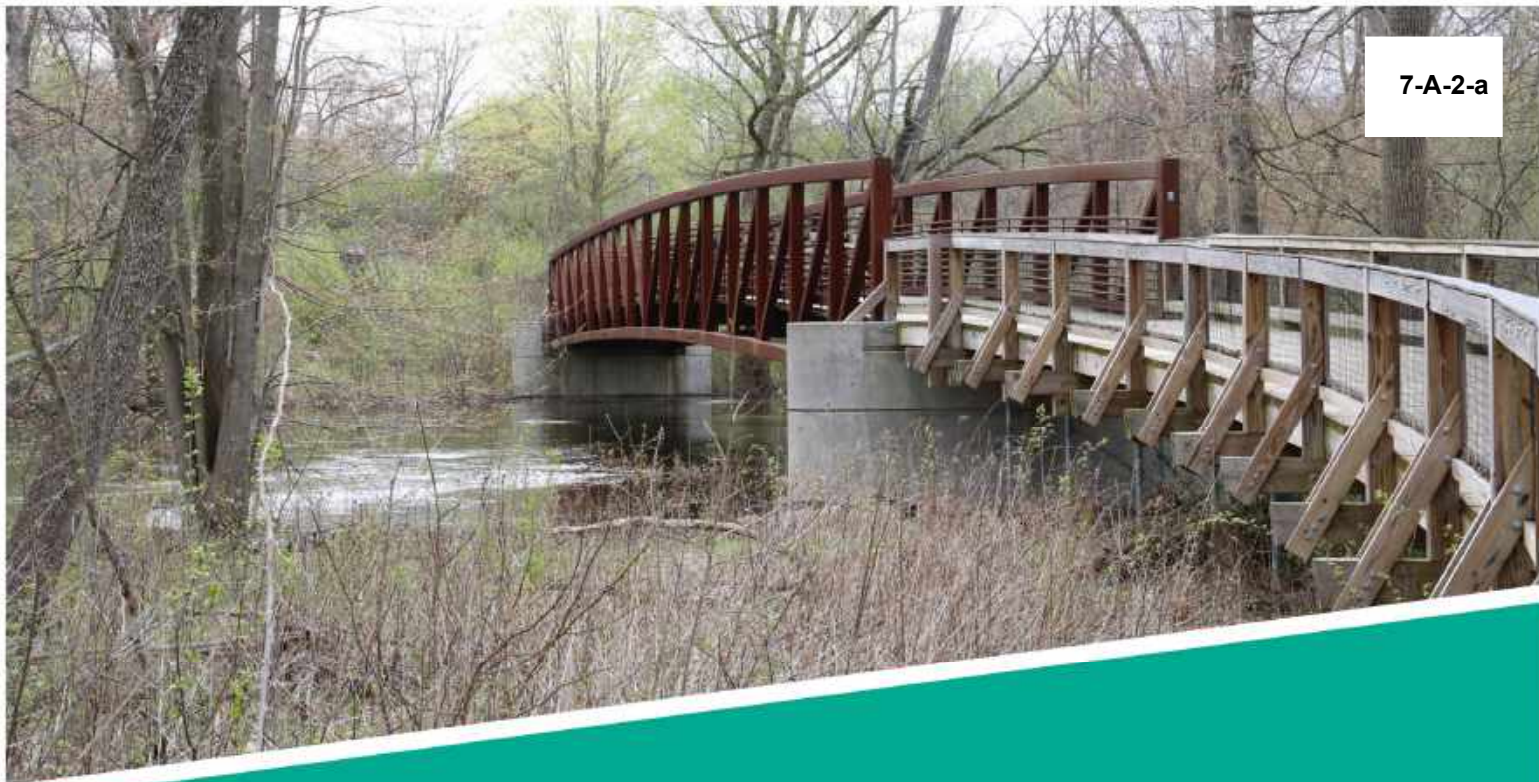
Land Issues/Opportunities

- Evaluation for two parcels near Huron Meadows along the Huron River underway for potential acquisition.
- Mound Rd. easement for sidewalk gap site plan second review underway. Easement documentation forwarded to legal for review
- City of Flat Rock lease and easement agreement under legal review

Grants

- Submitting Kubota Hometown Proud grant for removal of contaminated soils (PFAS) and replace with good soils at Kensington Farm Center garden plots
- Ralph C. Wilson trail projects being prioritized following system-wide gap analysis for review at MTSE steering committee, RFP being developed for consultant to assist with projects underway.

Attachment: Planning and Development Department Monthly Update which includes Monthly Grant Updates and Monthly Recreation Programming and Events Updates



PLANNING AND DEVELOPMENT MONTHLY REPORT

April 2022

Administrative Office
13000 High Ridge Drive
Brighton, MI 48114



[METROPARKS.COM](https://www.metroparks.com)

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Updates

OTHER DEPARTMENT INPUT KEY	
	Natural Resources and Regulatory Compliance
	Planning and Development
	Diversity, Equity and Inclusion
	Interpretive Services and Community Outreach
	Engineering

SYSTEM-WIDE

Restoration – Linear feet or acreage of project impact for shoreline protected or restored, wetlands protected or restored, floodplain protected or mitigated

Invasive Species Management – Linear feet or acreage of project impact treating invasive species

Habitat and Wildlife Protected – Linear feet or acreage of project impact for fish habitat, fish barriers removed or bypassed, species moved or avoided

Partnerships – Outside agency funding sources (total cost/sharing percentage)

Volunteers – Total number of volunteers/workdays

Grant/Foundation Funding – Total funding/match

Visitor Counts – Total number of visitors weekend/weekday









Best practices education – Project emphasizes educational and interpretational opportunities

Estimated cost – Total estimated or actual cost of project

Accessibility – Determine if facility or programs designed for accessibility (A) or if barriers (B) exist based on ADA checklist









Staff time – Total number of staff hours estimated

Administrative





	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
SYSTEMWIDE	Planning and Development monthly reports	Report		Monthly	Staff time	Report assembly, grant monthly updates
	Tollbooth scanning reports	Report		Monthly	Staff time	Ongoing
	Foundation administrative tasks	Various		Ongoing	Staff time	Administrative tasks, scheduling annual board meeting.
	Sign request processing/signage transition plans	Infrastructure/ Small Facilities		Ongoing	Actual cost	Administrative tasks
	CAPRA accreditation preparation	Report	Various	Ongoing	Staff time	P&D support provided for all Chapter Chairs
	FAIR Play Coalition maintenance and development	Various		Ongoing	Volunteers	Feedback received for LSC Birding Platform
	CAPRA Programming Ch. 6	Various		Ongoing	Staff time	Documentation assembly
	CAPRA Planning Ch. 2	Report		Ongoing	Staff time	Documentation assembly
	Commemorative trees and benches	Various		Ongoing	Staff time	Administrative tasks

SYSTEM-WIDE

HCMA Studies/Initiatives





Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Volunteer Management	Plan		Spring 2021	Staff time	Researching community partners for 2022 recreational events and volunteers with DEI focus.
Community Recreation Plan 5-County SE Michigan survey	Plan		Ongoing	Staff time/Consultant	ETC regional survey deployment underway.
Sustainability Plan projects coordination	Various		Ongoing	Various	CAPRA Sub-Committee working on sustainability policy standards
Trail Ambassador program	Report		August	Staff time	Working with marketing to launch officially in spring 2022
ADA Transition Plan	Plan		Ongoing	Staff time	Updates ongoing.
Visitor count program	Various		Ongoing	Staff time	Summer 2022 visitor count planning underway.
Visitation data documentation and analysis	Report		Ongoing	Staff time	Cross-department planning for 2022 data collection meeting in March
Interpretive Master Plan demographic and other data analysis	Report		Ongoing	Staff time	Support for Interpretive Services staff for interpretive plan development

Grants/Fundraising


Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
REI Grant Rouge Park	Plan		Ongoing	Staff time	REI visiting 4/26, actions TBD
GOAL- Various grant opportunities	Plan		Ongoing	Staff time	24 teachers (1624 students) have applied to date; programming ongoing
RCWJ Foundation	Plan		Ongoing	Staff time	Trail connectors identified for MTSE, draft RFP in progress for consultant; Exploring RAISE grant opportunities
DTE E-Fleet Program	Plan		Ongoing	Staff time	E-Fleet application being developed

SYSTEM-WIDE

Recreation Programming



Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
2022 Recreation Programming	Various		On going	Staff time	Meeting with Marketing to discuss 2022 evaluation forms for CAPRA.
DIA's Inside/Out program	Various		On going	Staff time	Art installations are being de-installed at Ken, Stony, and Lake Erie. 2022's application was approved for Willow, Wolcott, and Indian Springs.
Programming Evaluation	Various		On going	Staff time	Ongoing
Swim program development plan (SE Michigan region)	Plan & Program		Winter 2022	Consultant Report	Final plan being delivered.

Project Implementation/Oversight

Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
PNC Grant	Documentation		Ongoing	Check received	All 60 programs awarded; equipment delivered, in-person visits are resuming
EGLE Recycling Bin Grant	Plan	Various	May 2021	Staff time	District meetings being coordinated with Waste Management outreach services
Healthy Catalyst Paddling Accessibility	Implementation	Various	Ongoing	Staff time	Grant reporting
Nature trail wayfinding sign development	Implementation	Various	Ongoing	Staff time	Met with new Int. Supervisor to update on project progress, data downloaded from pedestrian counter and remains in place. Draft plan in progress
ESRI ArcGIS Administration	Documentation	Various	Ongoing	Staff time	Purchase order underway for software registration and online credit usage

SOUTHERN DISTRICT

Grants/Fundraising



	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
LER	2021 TF- Cherry Island Trail Improvements	Large Facilities		April 2021	Staff	Grant project awarded.Awaiting project agreement from DNR.
	2021 GLRI-EPA Nonpoint Source Grant	Large Facilities		Ongoing	Staff time	Partnering with Wyandot to perform ecological restoration at Six Points and SWMP green infrastructure improvements at LER.; Admin review underway and awaiting final approval
LHu	2020 TF - LHu Iron Belle Trail Connector	Documentation	Various	2021.	Staff time	PEA to do field engineering
	2020 LWCF - Walnut Grove Campground	Documentation	Various	2021	Staff time	Waiting on NPS Project Agreement, to be executed
	2020 LWCF - Off-Leash Dog Area	Documentation	Various	2021	Staff time	Waiting on NPS agreement

Project Implementation/Oversight


	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
LHu	Accessible railroad crossing along hike-bike trail	Small Facilities	Eng	2022 Completion	Construction	Project agreement underway with CSX.
Wil	SE Michigan Resilience Fund-Big Bend Area Restoration	Large Facilities	Eng/NR	Ongoing	Staff	Section 106 application underway; Stakeholder meeting scheduled.
	Shelden Trails Ribbon Cutting Ceremony	Implementation	Various	Ongoing	Staff time	Being planned for May 2022.

SOUTHERN DISTRICT



Project Implementation/Oversight, cont.

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
LEr	2019 LWCF - Oakwoods Accessible Nature Trail	Large Facilities		Ongoing	Staff time	Project Agreement executed by DNR/NPS, design work being scheduled with engineering dept.
	2019 LWCF - Lake Erie Accessible Boat/Kayak Launch	Large Facilities		1 month	Staff time	Waiting for SHPO approval and project agreement

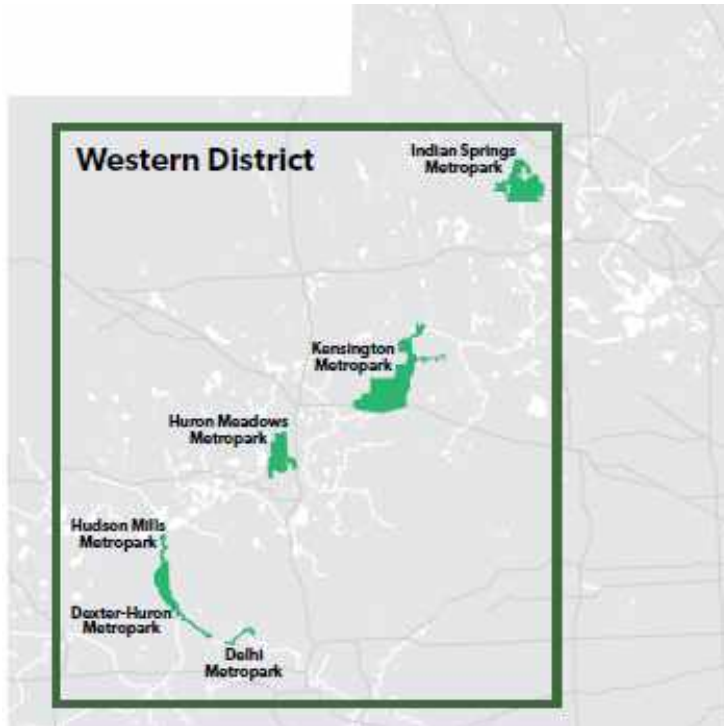
Facility Concept Planning

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
LEr	Laker Erie Shoreline Restoration Project	Spoil Pile Location	Ops . NR	October	Staff time	Archaeological services approved and underway.
	Adaptive Ballfield Concept Plan	Plan		2022	Staff time	Kick off meeting for ballfield concept at LH Woods Creek area planned

HCMA Studies/Initiatives




	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
LEr	Marina building study	Large Facilities		2021	Consultant	Master planning concept design 75% completed by architect.
Oak	NOAA Dam Removal Feasibility Study	Large Facilities		2023	Consultant	Great Lakes Fisheries Commission responding to NOAA comments on proposal

WESTERN DISTRICT






WESTERN DISTRICT

Administrative





	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Del	Border-to-Border trail design and construction	Large Facilities		Ongoing	Estimated Cost	Washtenaw County leading design efforts; attendance at meetings as necessary
MISC	Livingston County Parks and Open Space Advisory Committee	Partnership		Ongoing	Staff time	Attendance at regular POSAC meetings. Trail counter in place at Fillmore County Park. Data downloaded monthly
	Friends of the Lakelands Trail Steering Committee	Partnership		Ongoing	Staff time	Represent HCMA as a participating steering committee member that meet monthly

Grants/Fundraising


	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Del	Skip's Livery improvements	Large Facilities		April 1, 2022	Staff time	DNR Trust Fund grant submitted on April 1, 2022; Anticipate preliminary scores in early fall 2022.
KEN	Kubota Hometown Proud	Partnership		Ongoing	Staff time	Remove PFAS from community garden plots
ISp	CE Headwaters Restoration	Partnership		Ongoing	Staff time	Anticipate decision in late April

WESTERN DISTRICT

Project Implementation/Oversight

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Ken	2019 TF West Boat Launch Accessible Launch Project	Large Facilities		Ongoing	Staff time	Bids being reviewed and will be submitted to DNR for approval.
HMI	2019 TF Rapids View Accessible Launch Project	Large Facilities		Ongoing	Staff time	Contractor awarded contract, construction begins spring 2022
DHu	2020 TF – Dex-Huron Accessible Launch	Large Facilities		Ongoing	Staff time	Engineering design adhering to Natural Rivers Permit requirement
HMe	Feasibility study for connection between Huron Meadows & Island Lake Rec Area	Plan		June 2021	Staff time	Preferred route based on scoring methodology reviewed by staff, public/stakeholder engagement ongoing.

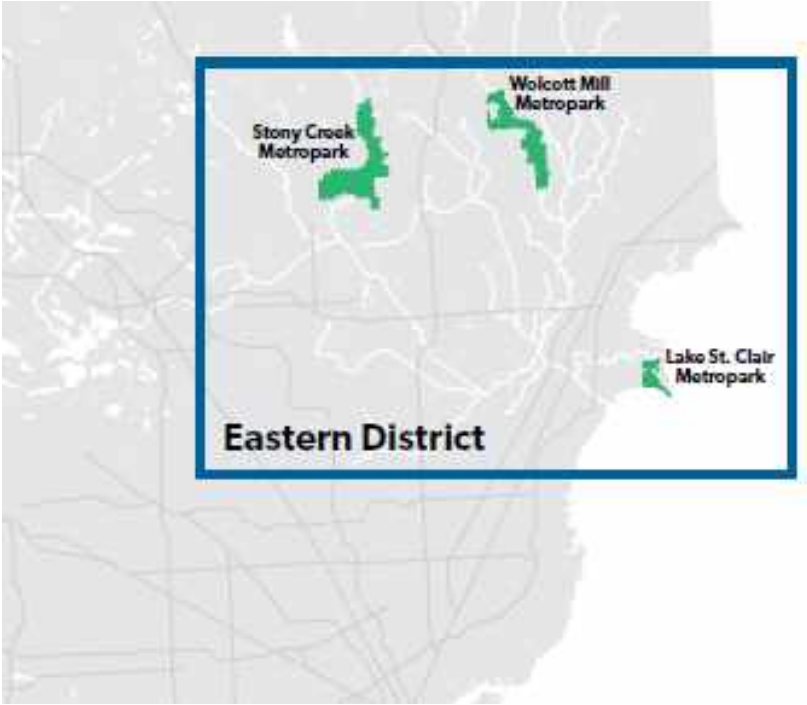
Facility Concept Planning

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Ken	Kensington Nature Center Parking Lot and Accessibility Improvement Study	Large Facilities		August	Staff time	Concept plan completed

HCMA Studies/Initiatives

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Ken	Lower Huron Master Plan 5-Year Update	Plan	Various	2021	Staff time	master plan 5-year update steering committee meeting #1.

EASTERN DISTRICT






EASTERN DISTRICT






Administrative

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
WMIII	Schmidt Property Acquisition	Land Acquisition		Fall 2020	Acquisition	Working on demolition of deteriorated barns and other structures on site.

Grants/Fundraising



	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
SCR	2022 LWCF/MNRTF- Stony Creek Reflection Trail Accessible Trail Development	Small Facilities		April 2021	Staff time	DNR Trust Fund and LWCF grant submitted on April 1, 2022; Anticipate preliminary scores in early fall 2022.
LSC	Michigan Coastal Management Program Grant – Accessible Kayak Launch	Large Facilities	Various	Ongoing	Staff time	Grant agreements signed, ready for engineering design.
	Macomb County Birding Platform	Small Facilities		March 2022	Staff time	Conceptual birding platform final conceptual design completed by consultant
	2022 LWCF- West Boardwalk Accessibility Improvements	Small Facilities		April 2021	Staff time	LWCF Fund grant submitted on April 1, 2022; Anticipate preliminary scores in early fall 2022.

Project Implementation/Oversight

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
LSC	Transit Planning for Access to LSC	Large Facilities		2021 Completion	Consultant/Staff	Metropark Express launched to continue through 2022. Strategy in progress with SMART for continued marketing efforts and data reporting/analysis
	LSC Beach Restoration Project- Nonpoint Source Pollution Project	Large Facilities		2023 Completion	Staff time	QAPP completed from USGS
	Nature Trail wayfinding signage plan development	Small Facilities		July	Staff time	Development of a wayfinding plan for the nature trail system as a guide to update trail signage
SCR	Shelden Trails Redevelopment	Large Facilities		Ongoing	Staff time	Ribbon cutting scheduled for May 2022. Bridge to be installed shortly on the north connector trail
	2019 TF – Off-leash Dog Area Development	Large Facilities		Ongoing	Staff time	Contractor work completed. mesh fencing and signs to be delivered for spring 2022.

EASTERN DISTRICT

Project Implementation/Oversight, Cont.

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Scr	Shelden Trails Signage Plan	Small Facilities	Mkting	3 months	Staff time	Mapping and signing of ski trails and intersection numbers underway
	26 Mile Connector Trail TAP Grant	Large Facilities		2022 Completion	Staff time	Bids received by Macomb County Dept of Roads and are within budget.
	Mound Rd. north of fire station sidewalk easement	Small Facilities		2022 Completion	Staff time	Preliminary site plan under review

Recreation Programming

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
	Planning for LSC swim lessons in 2022	Programming		2022	Staff time	Budget and job descriptions completed

HCMA Studies/Initiatives

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Scr	None					

Facility Concept Planning

	Description	Action Type	Dept. Input	Timing	Implementation Indicator	April 2022 Actions
Scr	Baypoint Beach concept plans developed	Plan	Various	2021	Staff time	Preferred concept replacement of tent facility with event shelter

WHAT'S NEXT?

	Description	Action Type
SYSTEM WIDE	CAPRA documentation assembly	Staff time
	Eco Counter 2022 Season Deployment	Staff time
	DPSCD Recreation Field Trips	Staff time
	Swim in the D swim lessons	Staff time
	Congressional appropriations for Community Projects	Staff time
EASTER DISTRICT	Shelden Trails- Ribbon cutting	Staff time
	Howl at the Moon MTB Festival	Staff time
WESTERN DISTRICT	Programming Evaluations	Staff time
	Hudson Mills Master Plan 5-Year Update	Staff time
	Summer Solstice Junior Disc Golf clinic and tournament	Staff time
SOUTHERN DISTRICT	Big Fat Family Reunion	Staff time
	Lower Huron Master Plan 5-Year Update	Staff time
	DPSCD- Recreation Field Trips	Staff time
	Metroparks Adaptive Recreation Clinics	Staff time

Grant Updates - April 2022

In Progress								
Grant program	JV/M	Project/Park	Amount	Match	Due Date	Applicant	Notes	
Kubota Hometown Proud	MN	KFC Garden Renovation	\$100,000	-	4/15/2022	HCMA	Remove PFAS soil & replace with good soil; new educational plots	
RCWJ Foundation	JV	Trail Connectors/SEMTAT	TBD	TBD	TBD	MF	Priorities to MITSE, draft RFP in progress, exploring RAISE grant	
DTE	JV	Efleet	TBD	TBD	TBD	HCMA	Details still pending	
Grant Applications Awaiting Response								
Grant program	Project/JV/M	Project/Park	Award Amt	Match	Submitted	Applicant	Notes	
GLRI-EPA Nonpoint Source	MN	OHM Stormwater Report GI	\$483,500	\$174,300	8/20/2021	HCMA	Updated per EPA adm. review; waiting for final award notification	
NOAA GLs Fish Habitat Restor.	MN	Flat Rock Dam Feasibility	\$240,000	\$25,000	1/12/2022	GLFC	Part of GLFC grant; amounts reflect dam portion only; Oct award decision	
Consumers Energy Foundation	MN	IS Headwater Restoration	\$112,000	-	3/16/2022	HCMA	Anticipate a decision in late April	
DNR TF '22	MN	DEL Launch/Take-out Renovation	\$300,000	\$302,600	3/30/2022	HCMA	Anticipate preliminary scores in early fall '22	
EDA - SEMCOG	JV	LSC North Marina	\$4,000,000	\$1,000,000	1/31/2022	HCMA	Full cost is \$1,155,800. TF grant is for \$300,000, LWCF grant is for \$500,000. Cash match is \$825,800 and \$625,800 respectively with \$30,000 in in-kind engineering	
LWCF 2022	JV	LSC West Boardwalk	\$500,000	\$701,200	4/1/2022	HCMA		
LWCF & MNRTF 2022	JV	Stony Creek Reflection Trail	See notes	See notes	4/1/2022	HCMA		
Grant Administration								
Grant program	Project/JV/M	Park/Project	Award Amt	Match	Deadline	Applicant	Updates	
LWCF '18	619-41N/J	LH North Fishing Site	\$144,400	\$144,400	4/30/2022	HCMA	Final reimbursement submitted; waiting on DNR review	
GLRI-FS '18	###N/T	LSC Black Cr Shoreline	\$160,211	-	12/31/2022	HCMA	Shoreline restoration grading and seeding in early spring	
Impact 100 - Oakland Co. '18	MN/P	KFC Seeding Green Future	\$90,000	-	11/18/2022	MF	Developing hydroponic exhibit at KFC; grow seedlings for farm use	
MNRTF '19	820-21N/J	HMI Rapids View Launch	\$226,400	\$226,900	8/31/2022	HCMA	Construction has begun; progress-to-date on upper/lower lots & walkways	
LWCF '19	###1N/A	Oak Access. Nature Trails	\$124,000	\$124,000	2/29/2024	HCMA	Project Agreement executed; design anticipated in Oct. '22	
LWCF '20	621.51N/	LH WGr Campground	\$300,000	\$150,000	TBD	HCMA	Waiting on NPS agreement	
MNRTF '20	821-21N/k	DxH Accessible Launch	\$192,700	\$192,800	5/31/2023	HMCA	Finalizing design plan	
Ford Volunteer Corps '20	MN/k	Oak Prairie Plantings	\$4,000	-	11/30/2021	MF	Half of native plugs planted; remaining will be planted spring '22	
NFWF-SEMRF '21	021-31N/T	Wil Big Bend Area Restoration	\$250,000	\$177,859	6/30/2023	HCMA	Waiting on FWS determination of need for archeological review	
CFSEM Design and Access '20	MN/J	Feasibility study US-23 bridge	\$47,000	-	4/22/2022	MF	PEA Group connecting w/MDOT; preparing documents	
Ford Volunteer Corps '21	MN/k	Wolcott Raised Garden Beds	\$7,500	-	11/30/2021	MF	Fence & ADA garden bed installed in spring; developing new sign	
PNC '21	MN/J	W. MLC Early Childhood Educ.	\$5,000	-	6/25/2022	MF	In-person program visits are resuming	
Towsley Foundation '21	MN/J	GOAL	\$5,000	-	12/31/2022	MF	24 teachers (1624 students) have applied to date; programming ongoing	
Anonymous Foundation '21	MN/J	GOAL	\$10,000	-	7/31/2022	MF	24 teachers (1624 students) have applied to date; programming ongoing	
NEEF-Toyota '21	MN/k	Beach Wheelchairs	\$20,000	~\$5,000	10/31/2022	HCMA	RFQ for DeBug Mobility beach wheelchairs 3/18; Interim report 3/30	
DNR TF '21	MN	LE Cherry Island Trail	\$300,000	\$192,500	TBD	HCMA	Project funded; awaiting project agreement from DNR	
DNR Iron Belle Trail	###J/M	LH IBT Design Engineering	\$82,075	\$23,400	9/1/2021	HCMA	PEA to do field engineering	
MNRTF '19	420.1V/A	Ken West Boat Launch Dev	\$154,000	\$154,000	8/31/2022	HCMA	Pre con held on 3/22	

LWCF '19	### JV LE Kayak Launch	\$122,500	\$122,500	6/1/2024	HCMA	SHPO provided letter, project agreement on April BOC
MNRTF '19	920.5 JV/JT SC Off Leash Dog Area	\$50,000	\$88,500	8/31/2022	HCMA	Benches order, signs in progress, dog waste stations ordered
TAP Grant	JV/JT SC 26-Mile Connector Trail	\$214,455	\$43,000	12/31/2021	Macomb Co	Pre con held on 3/24
Ralph C. Wilson Jr. Foundation	JV Southern District	#####	-	??	MF	Progress report submitted
REI	JV/KI Rouge Park Prairie	\$10,500	-	12/31/2021	HCMA	REI visiting 4/26, details TBD
EGLE Non point source	### V/NI LSC Beach	\$300,000	\$100,000	12/31/2023	HCMA	QAPP is being reviewed by EGLE, USGS contract to go on May Agenda
EGLE - Recycling	JV/JE Western & Southern Districts	\$48,816	\$12,204	9/29/2023	HCMA	3rd report sent; remaining funds used toward extra recycling bins
MNRTF '20	JV LH IBT	\$300,000	\$416,766	6/1/2023	HCMA	Bid tab/vendor approved by DNR - Go on April BOC agenda
LWCF '20	JV LH Off-Leash Dog Area	\$165,400	\$165,400	~ Summer '23	HCMA	Project agreement coming soon
Healthy Catalyst	JV Adaptive Kayak equipment	\$2,950	\$0	10/30/2020	HCMA	\$166 left to spend. Trained Kensington staff on 8/6
REI	### JV Rouge Park Prairie	\$8,000	TBD	5/4/2021	MF	City of Detroit will build gravel lot; HCMA to provide materials
NOAA/Great Lakes Commission	JV/TM Lake Erie Shoreline Restoration	#####	\$135,194	extended	HCMA	Commonwealth doing spring work - other contracted work delayed
Renew MI - DRFC	JV DRFC	\$1,000,000	N/A	4/30/2021	HCMA	EGLE waived first quarterly report - project meeting pending
MCMP	JV LSC Accessible Launch	\$194,863	\$194,863	12/31/2022	HCMA	In design

Recreation Programs & Events- April 2022

Scheduled					
Program	Project/Park	Dates	Activity	Est # of Participants	Notes
DPSCD- Recreation Field Trips	Oakwoods	April 13-15	Hiking	90	6th grade students, one high school
	Stony Creek	April 21-29	Biking, Volleyball & Basketball	300	High School students
	Hudson Mills, Willow, Stony Creek	May 9-31	Disc Golf, Golf, Biking	480	7th grade students
Shelden Trails- Ribbon cutting	Stony Creek	May 12th	Celebration of new trails	25+	
Swim in the D swim lessons	Brennan, Adams Butzel, Heilmann	March- July	Swim lessons	750	Hosted by City of Detroit P & R, in partnership with DRC
Metroparks Adaptive Recreation Clinics	Lower Huron & Lake Erie	May-October	Handcycling, Tennis, Softball, Football	100+	In collaboration with SportAbility
Big Fat Family Reunion	Willow	July 9th	Swim, Basketball, Hike, BBQ, Music	200+	In collaboration with DABO
Summer Solstice Junior Disc Golf clinic & tournament	Hudson Mills	June 18th	Disc Golf	72	In collaboration with A3 Disc Sports club, Big Brothers Big Sisters of Washtenaw County,
Howl at the Moon MTB Festival	Stony Creek	October 1st	Mountain Biking	200+	In collaboration with CRAMBA, REI, SportAbility
In Progress					
Program	Project/Park	Dates	Activity	# of Participants	Notes
Cross Country Ski & Fitness clinic	Huron Meadows	Winter 2022/2023	Cross Country Ski		In collaboration with Ian Torchia, retired professional skier
Juneteenth event	TBD	June 19/20	TBD		In collaboration with Wayne County Parks
Swim lessons at LSC	Lake St. Clair	Summer 2022	Swim lessons		
Fishing clinics	Southern district	Summer 2022	Fishing		In partnership with Cabela's
Yoga in the park	Multiple	Summer/Fall 2022	Yoga		In partnership with Lululemon
Completed					
Program	Project/Park	Dates	Activity	# of Participants	Notes
DPSCD- Recreation Field Trips	Stony Creek, Oakoods, Lake Erie	March 9-16	Hiking	198	6th grade students





To: Board of Commissioners
From: Jennifer Jaworski, Chief of Interpretive Services
Subject: Report – Interpretive Services Department Monthly Update
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file Interpretive Services Department Monthly update as recommended by Chief of Interpretive Services Jennifer Jaworski and staff.

Attachment: Monthly Interpretive Services Department Update



HURON-CLINTON METROPARKS

INTERPRETIVE SERVICES MONTHLY REPORT

April 2022

Administrative Office
13000 High Ridge Drive
Brighton, MI 48114



[METROPARKS.COM](https://www.metroparks.com)

PROGRAM/INITIATIVE IMPLEMENTATION

Project/Initiative Implementation

Ongoing:

- 2022 SCECH's teacher training series
- Staff is participating in DEI training
- Supplemental science curriculum with DPSCD
 - Key staff positions in place
 - Work plan developed
- Evaluating teacher and public programming surveys
- Michigan Activity Pass
- Sensory Friendly backpacks available at Interpretive centers

COMMUNITY ENGAGEMENT

Community Engagement

Ongoing:

- Belle Isle Conservancy discussion on growing partnership with programming: 2022 programming
- Detroit Riverfront Conservancy: 2022 programming
- Detroit Parks Coalition
 - setting schedule for 2022

PROGRAMMING

Programming

Ongoing:

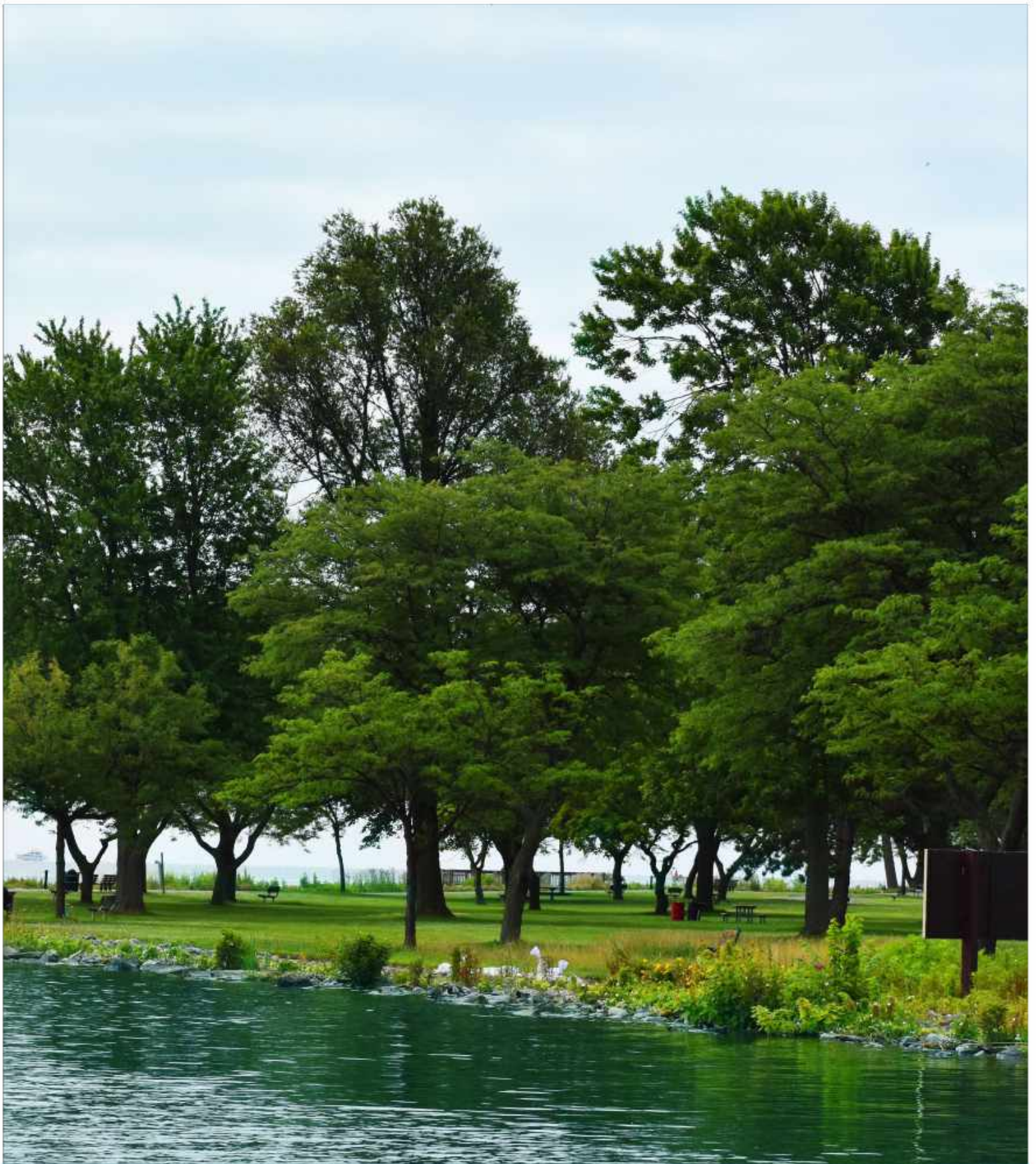
- Get Out and Learn scholarships
 - Applications continue for spring programming
- In-person, Synchronous and Asynchronous school programming continues
- In-person outdoor programming continues, including “pop-up” programs
- Virtual programming continues

GRANTS

Grants

Ongoing:

- Lake Superior State partnership and NOAA Great Lakes Bay Watershed Education and Training (B-WET) program to engage students in water quality monitoring and stewardship at Lk. Erie Marshlands Museum
- PNC Early Childhood grant for the Western District Mobile Learning Center
- CMU and EPA grant partnership engaging students in water quality monitoring at Lk. Erie Marshlands Museum
- Green Ribbon Initiative with the Nature Conservancy, this grant covers conducting programming that highlights Oak Openings and develop interpretive signage at Oakwoods Nature Center





To: Board of Commissioners
From: Artina Carter, Chief of Diversity, Equity and Inclusion
Project Title: Report – DEI Monthly Update
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file the DEI Update as submitted by Chief of Diversity, Equity and Inclusion Artina Carter and staff.

Attachment: DEI Update



DEI BOARD REPORT

April 2022



[METROPARKS.COM](https://www.metroparks.com)

DEI DEPARTMENT

MISCELLANEOUS

- Participated in interviews
 - DEI Support Specialist
 - Park Maintenance Worker
 - Park Maintenance Supervisor
 - Police Officer
 - Chief of Planning and Development
- Hired DEI Support Specialist
- Hosted Advisory Team Meeting
- Attended the Climate Action Plan team meeting
- Hosted March Speaker Series event
- Participated in an interview with Shore-to-Shore podcast
- Participated in an interview with DABO radio show
- Launched DEI Training
- Participated in the Internal Reporting Discussion
- Participated in the Operations meeting
- Attended the Detroit Regional Chamber State of the Region event
- Hosted March Speaker Series event
- Continued working on CAPRA



To: Board of Commissioners
From: Danielle Mauter, Chief of Marketing and Communications
Subject: Report – March Marketing Update
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file March 2022 Marketing Update as recommended by Chief of Marketing and Communications Danielle Mauter and staff.

Attachment: Marketing Report



HURON-CLINTON METROPARKS MARKETING REPORT

March 2022

Administrative Office
13000 High Ridge Drive
Brighton, MI 48814



[METROPARKS.COM](https://www.metroparks.com)

MARCH 2022

Implementing Major Media Buys

Major media buys were approved at the March board meeting and staff began implementing and coordinating those buys as approved. The WDIV Metroparks monthly series on Live in the D recorded and aired its first segment with a topic of maple sugaring and it turned out well with a focus on historical aspects and the level of staff expertise on the topic.

Additionally, a set of :15 sec video commercials were developed that don't rely on voiceover, but mimic our existing commercials. These shorter form placements will allow some of our streaming, digital and OTT commercials placements to be "non-skippable" and be used in social media settings where users don't have sound turned on and still deliver our intended message.

Maple Sugaring Campaign

Maple sugaring programming ran the entire month of March at multiple interpretive centers. A press release about maple sugaring season was sent on February 24, and an integrated campaign associated with maple sugaring followed. The maple programs were all posted individually as Facebook events pages and on the website calendar. We also worked with IT to create a website landing page of metroparks.com/maple that references programs, self-guided hikes, recipes, coloring page, blog posts, etc.

Maple sugaring a-frame posters were created for display at each interpretive center through the month of March and lists upcoming programs.

A maple sugaring e-newsletter was sent March 1 and the bi-weekly event email blasts featured all maple sugar programs on February 28.

Our paid advertising for maple sugaring was primarily in the digital space this year. We had digital ads with mom blogs as well as general digital ads and social media ads starting the first week of March and those are all general maple sugaring ads saying we have programs available and getting people over to our landing page of metroparks.com/maple. We had a few select print ads running including Michigan Chronicle.

Hiring Promotions

Marketing has been working collaboratively with HR on several pieces that are being used to help promote hiring opportunities within the Metroparks. Those pieces include:

- new email signature options that include options that mention we are hiring and link to our hiring page.
- Flyers with a QR code to our hiring page that were shared with schools and partners to display in areas people might be looking for information on summer jobs. Other staff are

welcome and encouraged to share these flyers with their own networks as well and help us reach new people and find great summer team members.

- Digital/social ads that started running the beginning of March
- Emails blasts were sent on March 11 to our subscribers and those who completed our hiring barriers survey.
- Organic social media posts will be posted throughout March and April. Please feel free to share them on your own personal pages and help us spread the word!
- HR will be placing a series of print ads in local publications with artwork that matches our digital/social ones.
- Amy and a handful of other staff will be attending a live broadcast and mini hiring event at DABO on April 2 to attract more application from Detroit audiences.
- Banners and signage placed at toll booths and select park entrances.

Summer Programming Guide Campaign

MANY parks and Rec departments publish annual or seasonal programming guides every year that give the registration schedules for programs, leagues and events. They each use slightly different delivery methods and formats to get programming information into the hands of residents. The thing is, they are usually single cities, or a much smaller geographic reach than the Metroparks serves. Our large footprint makes distributing a programming guide for us more of a challenge. However, last year we started to experiment with what something could look like to share that programming information with larger audiences. We inserted a partial summer look at programs as a multi-page insert into 8 newspapers throughout the region. It was relatively well received.

This year, we are expanding that effort and experimenting with a longer list of publications AND different delivery mechanisms. We will be using unique QR codes and links to track usage of each delivery mechanism type and determine success for possible use in future seasons. This campaign and the subsequent strategies was built with the following main goals in mind:

- Reach a larger number of potential NEW visitors and program attendees with a full summer schedule. We are looking to primarily reach people who are not already receiving our programming emails or regularly attending programs because we know they are already receiving our information and are therefore more likely to register for future programs.
- Use this as a possible list builder campaign to grow our email subscriber list and stay in continual communication with new visitors by sending them event and program reminders throughout the entire year. Email marketing is still really successful.
- Reach a large number of people and continue educating the region about the Metroparks, our brand and our available programs.
- Drive increased programming registration.
- Track success or usage of guide to determine if it's worth continuing in future years.

To reach these goals, we built a campaign with the following FIVE delivery mechanisms:

1. Printed, 12-page inserts that are inserted into local newspapers throughout the region(think fall out of the middle like sale ads do). Will have basic listing of events and programs and other parks information with the intention of getting people's attention and getting them to the website. Also hoping for it to be a long-life piece that could be hung on fridges and family bulletin boards. QR code to website calendar for full program/event info and registration. We will print a small amount of extras for handing out at community events as well. [NOTE: we will NOT be distributing any of these at our own locations. See delivery mechanism below for an explanation of why and what we are doing instead.]
2. Printed, 1-page inserts that are inserted into a different set of local newspapers throughout the region. Will have some information about the Metroparks and highlights of the summer and will have a QR code that will drop people on a request form page. Here people will have the ability to request a digital copy of the summer program guide be emailed to them or request (a VERY limited quantity) a printed version mailed to them. [NOTE: we are using a request form instead of a direct link to the digital guide because we want to obtain contact info in exchange for giving them something. The digital copy they receive will also have direct links back to the website for registration. It will be the same 12-page artwork as the above-mentioned printed guides.]
3. Traditional print and digital ads in a still different set of publications. Artwork will make reference to discovering and registering for summer programs and events and requesting a summer program guide. Print ad versions will have a unique QR code to the above-mentioned request form and digital versions will have a trackable URL direct linked to the request form.
4. Digital sponsored content articles talking about programming and summer events and suggesting readers request a programming guide to stay in the know. Will also have trackable URLs direct linked to the request form.
5. I mentioned above that we won't be printing extras to distribute in our own locations or interpretive centers. Instead we will be creating table-top signs in sign holders that also have a unique QR code to the request form if visitors would like to request a digital copy. Again, we want to capture their information that allows us to stay in communication with them. These will not be ready or available until mid-May when the inserts start going out in printed format. We will also NOT be posting about our programming guides on social media or emails blast because our followers are already receiving our information and we are trying to build lists of new followers with this.

We have summarized a chart on the next page what publications will be helping us distribute this information and in what ways on what dates. I want to point out that this will be in addition to our other marketing efforts of TV, radio, billboards, email marketing, social media, digital ads, additional print ads, media relations etc. It is yet another piece we are trying to use to reach and influence more people.

Artwork is currently being developed. The total cost for all printing, inserting, placement and working with the entire list of publications on the following page is just over \$90,000. We expect this campaign to reach at least 768,566 people throughout the region.

Publication	Type	Insertion Publication Date or Run Date(s)	Distribution
Sun Times News	12-page print insert	May18	16,000
Chaldean News	12-page print insert	June Issue	6,000
Ann Arbor Observer	12-page print insert	May 26 - June Issue	53,000
Metro Times	12-page print insert	May 18	20,000
Michigan Chronicle	12-page print insert	May	23,600
Macomb Daily, Oakland Press, News Herald, Dearborn Press and Guide	12-page print insert and digital accompanying ads	May 15	191,092
C&G News (Journal, Novi Note, St. Clair Shores Sentinel, Grosse Pointe Times)	1-page print insert with QR code	May 25	98,825
La Prensa	Traditional print ad	May 20	80,000
Washtenaw Jewish News	Traditional print ad	June Issue - 6/1	4,000
Latino Press	Traditional print ad and digital accompanying ads	20-May	15,000
Record Newspaper	Traditional print ad	18-May	5,000
Detroit Jewish News	Traditional print ad and digital accompanying ads	May 19 - print; may & June (60 days) - digital	
Livingston Daily	Traditional print ads (3) including front page ads	May 22, 26 & 27 May 29, June 2 & 3	4067 - weekday, 6049 - Sunday
Downtown Monitor	Traditional print ad	TBD	
Detroit Free Press	Digital sponsored content article with links	TBD	no less than 250,000 impressions
Little Guide Detroit	Digital sponsored content article with links	TBD	
TOTAL REACH POTENTIAL			768,566

Other On-going Projects in March

- Updating of five-county map brochure. Will be complete and printed by early May.
- Creating Shelden Trails doubletrack wayfinding signage and major trailhead signs.
- Creating legislative informational support pieces.
- Preparing golf season materials and course opening announcements
- Working on joint communications for joint event with Detroit Association of Black Organizations – Our Big Fat Family Reunion at Willow Metropark. Event announcement coming mid-April.
- Staff training and hiring.





To: Board of Commissioners
From: Danielle Mauter, Chief of Marketing and Communications
Subject: Approval – Print and Insert Summer Program
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners approve the services of printing and inserting 12-page summer program guides in Macomb Daily, Oakland Press and News Herald with 21st Century Media/Media News Group, parent company of these publications in the amount of \$35,363 as recommended by Chief of Marketing and Communications Danielle Mauter and staff.

Fiscal Impact: This is a 2022 Board approved budgeted item.

Background: In 2021 the Metroparks inserted a partial summer look at programs as a multi-page programming guide insert into eight newspapers throughout the region. It was well received.

This year, the Metroparks are expanding that effort and experimenting with more publications AND different delivery mechanisms for this information. We will be using unique QR codes and links to track usage of each delivery mechanism type and determine success for possible use in future seasons. This campaign and the subsequent strategies was built with the following main goals in mind:

- Reach a larger number of potential NEW visitors and program attendees with a full summer programming schedule. Looking to primarily reach people who do not already receive Metroparks programming emails or regularly attend Metroparks programs because they are already receiving our information and are therefore more likely to register for programs.
- Use this campaign as a possible list builder campaign to grow email subscriber list and allow continual communication with new visitors while sending them event and program reminders throughout the entire year.
- Use as a way to reach a large number of people and continue to educate the region about the Metroparks, our brand and our available programs.
- Drive higher programming registration.
- Track success or usage of guide to determine if it's worth continuing in future years.

Macomb Daily, Oakland Press, Dearborn Press and Guide and News Herald are four publications of a full list of 22 publications that will be used for the distribution of this campaign. These four publications offer printing in addition to inserting so that everything is completed in house and delivered to 191,092 people. This pushes the cost for their piece of this campaign above the threshold for board approval which is why the approval is only for these publications. A report on the full campaign intentions and list of publications is included in the March Marketing report.



To: Board of Commissioners
From: Artina Carter, Chief of Diversity, Equity and Inclusion
Subject: Report – DEI Speaker Series Presenter
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners approve the fee for the final presenter for the 2022 DEI Speaker Series in the amount of \$12,000 for Ellen Ochoa as recommended by Chief of Diversity, Equity and Inclusion Artina Carter and staff.

Fiscal Impact: The current balance of the Board approved budget for the DEI Speaker Series is \$44,000; the cost of this national speaker is \$12,000 the remaining balance is \$32,000.

Background: This will be the final presenter for the 2022 DEI Speaker Series. The topic for this presentation will be Leadership, Diversity, and Innovation. The presentation will take place on Thursday, Dec. 8, prior to the regular board meeting.

Attachment: Ellen Ochoa Bio



Ellen Ochoa is a STEM speaker for our generation. She's a history-making astronaut, a brilliant inventor, a gifted corporate leader who left her mark on the culture of NASA, a role model for women executives, a hero of the Latinx community, and a lodestar for discussions about females and minorities pursuing scientific and technical fields.

In 2013, Ochoa was named the 11th Director of NASA's Johnson Space Center, becoming the first Latinx and the second female director to hold this prestigious position; she retired in 2018. An active astronaut since 1991, two years later, Ochoa became the first Latina to go to space when she served on a nine-day mission aboard

the shuttle Discover. In total, she has flown in space four times, logging nearly 1,000 hours, leading onboard scientific activities, and serving as flight engineer during the launch, rendezvous, and entry phases of the mission.

Ochoa is the recipient of many honors, including NASA's highest awards, the Distinguished Service Medal and the Presidential Distinguished Rank of the Senior Executive Service. She was recently featured in *True Colors*, a documentary series focusing on Hispanic trailblazers and thought leaders.



To: Board of Commissioners
From: Mike Lyons, Deputy Director
Project Title: Affirmation – PO for Emergency Purchase
Location: Kensington Metropark Golf Course
Date: April 8, 2022

Action Requested: Motion to Affirm

That the Board of Commissioners affirm the emergency transfer of funds from the Major Maintenance account in the amount of \$80,540 to initiate a PO for the purchase of a Watertronics Electrical Panel for the Kensington Golf Course Pump Station. Per Purchasing Policy, Jaye Quadrozzi, chair of the Board of Commissioners and Amy McMillan, director for the Metroparks authorized the project initiation and per policy the project is hereby reported to the Board of Commissioners for affirmation.

Fiscal Impact: Staff removed four pumps from the pump station to have them heat dried, the bearings replaced, and linings varnished. The cost of this service will be approximately \$4,500 (labor and materials). The Watertronics control panel will be the major expense necessary for the pump station restoration. The replacement cost of the panel is \$80,540, which includes labor and materials. There is an approximate wait time of 12 weeks for the electrical panel. This is a sole source item and two quotes were received for installation as this is a specialized service.

This meets the emergency purchase criteria because of the 12-week delivery timeframe and the quickly approaching golf season. The 12-week window will not take effect until a purchase order has been received by the vendor.

Although a temporary workaround will be initiated to allow us to operate the irrigation system on a limited basis to keep the system running until the final repairs can be completed, it is essential that we ordered the parts as quickly as possible to maintain the turf quality on the golf course as this is one of the Metroparks premier, highest revenue generating golf courses.

Background: A recent significant rainfall in combination with a substantial snow melt resulted in excessive water run off to low lying areas at Kensington's golf course. During this event, a considerable amount of water passed by and into the pumphouse. This resulted in the below ground level building filling with water flooding the pumps and electronic control panel. In addition, the sump pump discharge line froze due to extreme cold temperatures leading up to this event as the ground temperatures were still below freezing. Therefore, the water that entered the building was not able to discharge resulting in the pumphouse flooding.

After removing the water, evaluation determined that three 75 HP irrigation pumps, one 5 HP pump, and the pump control panel were compromised by the flooding.

An insurance claim has been filed with Michigan Municipal Risk Management Authority (MMRA), the claim was accepted and the Metroparks will be reimbursed for repair amounts over \$50,000.



To: Board of Commissioners
From: Jennifer Jaworski, Chief of Interpretive Services
Subject: Report – Storm Water and Water Quality Partnership Plan
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file Storm Water and Water Quality Partnership Plan as recommended by Chief of Interpretive Services Jennifer Jaworski, Chief of Natural Resources and Environmental Compliance Tyler Mitchell and Chief of Marketing Danielle Mauter and staff.

Background: Marketing, Natural Resources and Interpretive Services departments have worked together along with the Director to develop a partnership plan in which the Metroparks will provide engagement with Washtenaw, Oakland and Wayne counties residents on storm water management best practices and water quality issues that are specific to each county and /or impact the region as a whole.

The goals of the plan are as follows:

1. Coordinate with Oakland County
 - Demonstration projects at Kensington and Stony with master gardeners, and look at how we might improve overall storage at Kensington and Stony Metroparks
2. Connect with Wayne County
 - Metroparks MS-4 permit consulting team to discuss outfalls/county drains along the Southern District shoreline of the Huron River.
 - Work together to either acquire additional property for the general purposes of storm water management or/and how some of our existing undeveloped property in the Southern District might be used for additional storm water management, providing such use does not negatively impact existing resources such as ground nesting birds or endangered flora/fauna
3. Collaborate with Washtenaw County
 - Join forces from a communications/programmatic perspective to inform and educate the public about storm water management, develop/highlight projects such as rain gardens, etc. and look at how we might improve the health of the watershed by addressing runoff from impervious surfaces (i.e. our conversation about reducing our use of traditional road salting during the winter), etc.
4. Coordinate in tandem with Metropark Climate Action Plan.

Attachment: Storm Water and Water Quality Partnership Plan



HURON-CLINTON METROPARKS

STORMWATER AND WATER QUALITY PARTNERSHIP PLAN

March 2022



METROPARKS.COM

2022 WORK PLAN

Overview

In 2022, the Metroparks will provide a partnership plan for engagement with Washtenaw, Oakland and Wayne counties residents on stormwater management best practices and water quality issues that are specific to each county and /or impact the region as a whole.

Goals for the Review

- Coordinate with Oakland County
 - Demonstration projects at Kensington and Stony with master gardeners and look at how we might improve overall storage at Kensington and Stony.
- Connect with Wayne County
 - Our MS-4 permit consulting teams to discuss outfalls/county drains along the Southern District shoreline of the Huron River.
 - How we might work together to either acquire additional property for the general purposes of storm water management or/and how some of our existing undeveloped property in the southern district might be used for additional storm water management, providing such use does not negatively impact existing resources such as ground nesting birds or endangered flora/fauna.
- Collaborate with Washtenaw County
 - join forces from a communications/programmatic perspective to inform and educate the public about storm water management, develop/highlight projects such as rain gardens, etc. and look at how we might improve the health of the watershed by addressing runoff from impervious surfaces (i.e. our conversation about reducing our use of traditional road salting during the winter), etc.
- Coordinate in tandem with Metropark Climate Action Plan

2022 WORK PLAN

First Quarter (February – March)

Marketing

- Create framework for posting of a climate adaption blog and social series
 - Create section of Metroparks blog on website.
 - Create blog and social posting schedule in collaboration with departments and county partners.
 - Identify ways to tie the blog series into newsletters and storytelling efforts
- In collaboration with other departments and county partners, identify possibilities for joint signage in strategic locations. Marketing staff to help with design and ordering.

Natural Resources

- Develop list of internal stormwater management plans and documents for review.
- Develop list of external stormwater management plans and resources for review and inclusion into best management practices documents.
- Review OHM stormwater analysis and green infrastructure recommended improvements, and possible implementation of rain gardens at Kensington and Stony Creek.
- Discuss collaboration of MS4 consultants ECT with Wayne county consultants at regular monthly meeting.
- Identify landscapes in Southern district with potential for restoration or designation for stormwater abatement, treatment, storage.
- Research emerging best practices for de-icing roads and trails, and ecological improvement and cost impacts of alternative methods.
- Begin compiling resources to review for analysis of stormwater infrastructure improvements effect on climate and identify where these practices fit in the Metroparks Climate Action Plan.

Interpretive Services

- Develop details for blog series (like bird of the week) title: Wild Wednesday
 - What the Metroparks are doing
 - What “you” can do
 - Identify writers
 - Identify topics with schedule of release
- Develop details for video series that compliments the blog series
 - What the Metroparks are doing
 - What “you” can do
 - Identify script writers
 - Identify topics with schedule of release
- Reach out to and work with counties on potential partnership
- Develop signage plan using QR Code

2022 WORK PLAN

Second Quarter (April – June)

Marketing

- Launch blog series and social posts on Earth Day
- Utilizing content and videos created by interpretive staff and partners, polish and post blogs and social posts.
- Create artwork for joint signage
- Develop and send at least one press release related to the efforts around Climate Adaptation, with the first topic being regional storm water management and its importance.
- Create a framework and schedule for creating and sharing this ongoing storyline past the topic of stormwater management.

Natural Resources

- Identify previous and current projects that highlight stormwater filtration/treatment practices at the Metroparks
- Begin outline and draft of HCMA BMP language for developing standards in implementation of stormwater green infrastructure in the construction of roads and trails
- Begin outline and draft of HCMA BMP language for reviewing and updating BMPs and internal education practices as relates to use of road salt and alternatives.
- Review compiled list of stormwater BMPs and draft updates to internal best practice documents.
- Identify green infrastructure projects at Kensington and Stony Creek that are good candidates for funding and collaboration with Oakland County WRC.
- Develop design requirements for restoration of floodplain properties in the Southern district, and where stormwater storage, treatment, and retention would benefit the Huron river and surrounding landscapes
- Complete review of previously identified resources detailing impact of stormwater improvements on climate adaptation as relates to HCMA Climate Action Plan

Interpretive Services

- Write blog series
 - Start blog series on Earth Day
- Record video series
 - Release date Earth Day
- Interpretive signage places strategically throughout parks

2022 WORK PLAN

Third Quarter (July – September)

Marketing

- Utilizing content and videos created by interpretive staff and partners, polish and post blogs and social posts.
- Develop and send at least one press release related to the efforts around Climate Adaptation

Natural Resources

- Complete first draft of Best Management Practices document for road and trail construction as relates to capture, treatment, and storage of stormwater runoff.
- Complete first draft of Best Management Practices document and education plan for the use of road salt, and other de-icing alternatives.
- Provide BMP drafts to collaborative group for review.
- Work with Oakland WRC and relevant rivershed councils to finalize selection of green infrastructure projects at Kensington and Stony creek drains.
- Build project team and finalize project scope, begin design work for restoration of floodplain habitats in Southern District and associated stormwater green infrastructure improvements.
- Hold monthly meetings with MS4 consultants ECT, Wayne County staff, and their consultants to share progress on MS4 renewal, and find efficiency in permitting process.
- Develop stormwater impact language or section to be included on Climate Action Plan.

Interpretive Services

- Continue writing blog series
- Continue recording video series
- Interpretive signage places strategically throughout parks
- Collaborate with other departments on projects implementation for 2023

2022 WORK PLAN

Fourth Quarter (October – December)

Marketing

- Utilizing content and videos created by interpretive staff and partners, polish and post blogs and social posts.
- Develop and send at least one press release related to the efforts around Climate Adaptation

Natural Resources

- Finalize BMP drafts for stormwater green infrastructure in road and trail construction, and for use of road salt or de-icing alternatives.
- Finalize design and budget for Stormwater infrastructure improvements in the Southern District and identify potential sources of funding. Projects will be shovel ready and could potentially pursue permits in Q4.
- Continue monthly MS4 collaboration meetings
- Continue integration of stormwater green infrastructure information into climate action plan. Internal BMPs and climate action plan goals should be cohesive.

Interpretive Services

- Continue writing blogs
- Continue with video series
- Evaluate blog and video series and set plan for 2023





To: Board of Commissioners
From: Randy Rossman, Chief of Human Resources and Labor Relations
Subject: Report – BOC Workforce Sub-Committee, Implemented Programs
Date: April 11, 2022

Action Requested: Receive and File

That the Board of Commissioners receive and file the benefits and wage programs update as outlined below as recommended by Chief of Human Resources and Labor Relations Randy Rossman and staff.

Fiscal Impact: The 2022 Metroparks general fund budget includes sufficient funding for the approved programs for Items 1, 2, 3 and 4.

Background: These programs were approved by the Board at the Feb. 10, 2022 meeting.

The Board of Commissioner (BOC) Workforce Committee is comprised of Commissioner Marans, Commissioner Pontoni, Amy McMillan and Randy Rossman.

The Committee reviewed current seasonal and provisional benefits offerings and discussed various items (listed below). These additions in benefits and wages were approved to help with the recruitment and retention of the workforce and keep the Metroparks as a leader in workplace desirability.

Completed Recommendations

1. **Hourly Bonus:** The approved bonus of \$1.00 per hour all seasonal, provisional and 40/80 police officer employees is scheduled for hours worked between pay period 12 - 19.
2. **457 Contribution:** Allow all provisional and 40/80 employees to participate in the existing 457 contribution program as currently available to all full-time employees. This program is scheduled to be effective with the first pay period in May 2022.
3. **PTO:** A paid time-off (PTO) program for both seasonal and provisional employees has been developed as previously approved by the Board. This program will provide for seasonal workers to earn up to two days per season and provisional workers to earn up to five days per year. This program is scheduled to be effective with the first pay period in May 2022.
4. **40/80 Health Insurance:** The Police Union (POAM) approved a pilot health insurance program for 40/80 police officers. This program is intended for assisting in the recruitment and retention of highly qualified officers. \$80,000 was added to the 2022 budget fringe rate for this benefit addition. With current and anticipated staffing levels there will not be any additional budget impact for this program. This program will become effective May 1, 2022.

**Current Benefit Offerings –
New Benefits Highlighted in Yellow**

Seasonal Employees *(Defined as Employees working between April 17 – Oct. 15, 2022 and up to 600 hours total)*

1. Paid Time Off (PTO) policy, earn up to two days per year
2. Paid Medical Leave (PML) time off policy earn up to five days per year
3. Employee Assistance Program (EAP)
4. Uniforms
5. Training
6. Employee Discounts/Facility use
7. Flexible Schedules
8. No Social Security deduction by employee or employer
9. 457 deferred compensation – 1.5 percent ER contribution, 6 percent EE contribution (in lieu of social security)
10. AFLAC Supplemental Insurance – (voluntary) program starts May 2022
11. Seasonal Bonus at \$0.60 per hour worked
12. Additional Summer Bonus at \$1.00 per hour worked pp12-19
13. CTPL COVID temporary paid leave 80 hours through 2022

Provisional Employees *(Defined as employees working up to 12 months and up to 1,500 hours total)*

1. Paid Time Off (PTO) policy, earn up to five days per year
2. Paid Medical Leave (PML) time off policy, earn up to five days per year
3. Employee Assistance Program (EAP)
4. Uniforms
5. Training
6. EE Discounts/Facility use
7. Flexible Schedules
8. Wellness incentive program
9. 457 deferred compensation – employee contribution (voluntary) program starts May 2022
10. AFLAC Supplemental Insurance – (voluntary) program starts May 2022
11. Additional Summer Bonus at \$1.00 per hour worked pay periods 12-19
12. CTPL COVID temporary paid leave 80 hours through 2022

40/80 Police Employees *(Defined as Police Officers working 40 hours per week off-season and 80 hours per week during peak season. Limited total work hours up to 1,500)*

1. Paid Medical Leave (PML) time off policy, earn up to five days per year
2. Employee Assistance Program (EAP)
3. Uniforms
4. Training
5. EE Discounts/Facility use
6. Flexible Schedules
7. Wellness incentive program
8. Life/AD&D Insurance \$10,000
9. 457 deferred compensation – employee contribution (voluntary) program starts May 2022
10. AFLAC Supplemental Insurance – (voluntary) program starts May 2022
11. Additional Summer Bonus at \$1.00 per hour worked per pay periods 12-19
12. BCBS Health Insurance Program
13. CTPL COVID temporary paid leave 80 hours through 2022



To: Board of Commissioners
From: Randy Rossman, Chief of Human Resources & Labor Relations
Subject: Approval – Graduated Summer Bonus Program for Seasonal/Provisional Employees
Date: April 11, 2022

Action Requested: Motion to Approve

That the Board of Commissioners accept the benefits and wage programs outlined below as recommended Chief of Human Resources and Labor Relations Randy Rossman and staff.

Fiscal Impact: The 2022 Metroparks general fund budget includes \$350,000 for the approved \$1.00 per hour bonus. The proposed graduated summer bonus of up to \$3.00 per hour would have an impact of an additional \$194,000.

Background: The Board approved a \$1.00 per hour worked summer bonus at the February 2022 meeting. The Board also requested to review a graduated summer bonus program at the April 2022 meeting.

This graduated bonus program was presented during the discussion as a way to work towards a possible \$15 per hour minimum wage. This graduated bonus program is an alternative to elevating summer wages without wage compression, and with a more affordable budget projection. Additionally, it is to help with recruiting and retaining the workforce and to keep the Metroparks as a leader in workplace desirability.

Recommendation

1. **Hourly Bonus:** The current approved hourly bonus for all seasonal and provisional employees for hours worked between pay period 12 - 19 is \$1.00 per hour.

The proposed schedule for a graduated bonus is:

- a. \$1.00 per hour pay period 12, 13 and 14
- b. \$2.00 per hour pay period 15, 16, and 17
- c. \$3.00 per hour pay period 18 and 19
- d. If an employee works a total of 640 hours that is available through pay period 12-19 it would result in an increase in their hourly wage of \$1.88.
- e. Additionally, the potential end of season bonus could result in a gross payment as high as \$1,200.

**** The proposed graduated bonus would replace the current approved \$1.00 per hour bonus.****

Affect to Pay Scales for the Summer 2022

Seasonal Employees *(Defined as Employees working between April 17 – Oct. 15, 2022 and up to 600 hours total)*

	<u>Current</u>	<u>With Additional Bonus</u>	<u>Number of Employees</u>	<u>% of Workforce</u>
Seasonal Level 1	\$11.00	\$12.88	60	7.53%
Seasonal Level 2	\$11.55	\$13.43	88	11.04%
Seasonal Level 3	\$12.55	\$14.43	76	9.54%
Seasonal Level 4	\$14.45	\$16.33	61	7.65%
Seasonal Level 4a	\$15.50	\$17.38	7	.88%
Seasonal Level 5	\$17.10	\$18.98	9	1.13%

Provisional Employees *(Defined as employees working up to 12 months and up to 1,500 hours total)*

	<u>Current</u>	<u>With Additional Bonus</u>	<u>Number of Employees</u>	<u>% of Workforce</u>
Provisional Level 1	\$11.05	\$12.93	18	2.26%
Provisional Level 2	\$11.70	\$13.58	109	13.68%
Provisional Level 3	\$13.45	\$15.33	202	25.35%
Provisional Level 4	\$15.85	\$17.73	106	13.30%
Provisional Level 5	\$19.00	\$20.88	32	4.02%
Provisional Level 6	\$19.95	\$21.83	7	.88%



To: Board of Commissioners
From: Shedreka Miller, Chief of Finance
Subject: Report – Monthly Financial Review
Date: April 8, 2022

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file the monthly Financial Review as submitted by Chief of Finance Shedreka Miller and staff.

Attachment: March Financial Review



HURON-CLINTON METROPARKS MARCH FINANCIAL RECAP

MARCH 2022

Administrative Office
13000 High Ridge Drive
Brighton, MI 48814



[METROPARKS.COM](https://www.metroparks.com)

EXECUTIVE SUMMARY

MARCH 2022 FINANCIAL RESULTS

Tax revenue collections in March were strong and remain higher than 2021 figures. We have collected 85 percent of taxes owed in 2022 compared to 77 percent collected in 2021. It is expected that all revenue will be collected.

2022 tolling has decreased for both daily and annual sales in comparison to 2021. March daily permit sales are 63 percent lower than 2021 and 25 percent higher than pre-pandemic 2019. March annual permit sales are 42 percent lower than 2021 and 13 percent higher than 2019. YTD tolling decreased \$920,000 or 34 percent compared to 2021.



Keep in mind that the Metroparks had an exceptional year in 2021 as far as revenue is concerned. Total operating revenue for 2021 exceeded the budget by \$3.9 million or 19.2 percent. As a result, the year over year comparison may not reflect an objective projection for 2022. A five-year average has been added to the data to provide a more realistic benchmark.

Cross-country skiing revenue increased \$1,910 or 64 percent compared to 2021.

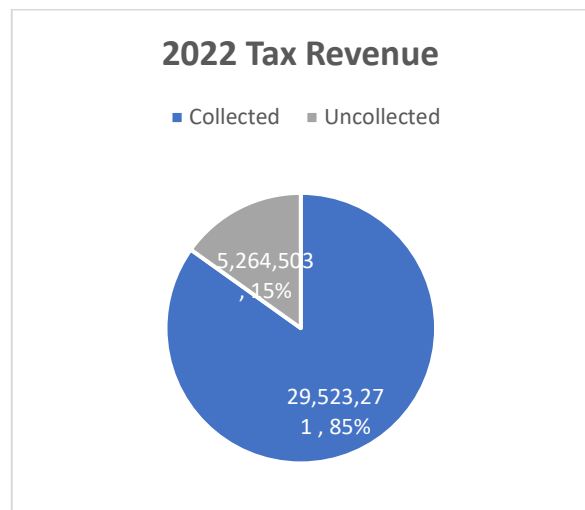
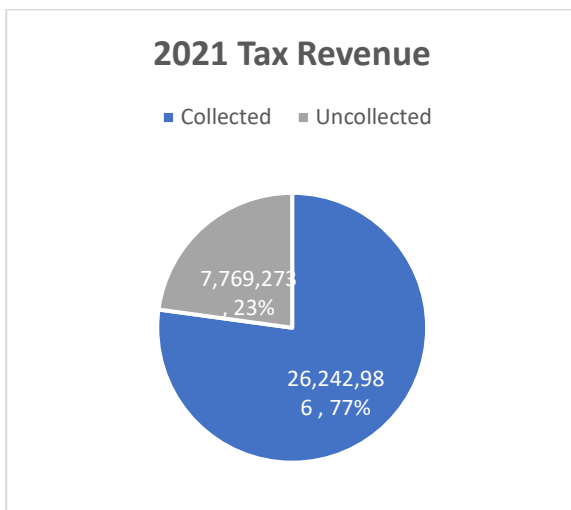
It is still early in the year to see any significant trends or changes in our expenditures. Currently, year-to-date expenditures for both administrative and park operations are higher than the same time last year.

In summary, the Metroparks continue to find ourselves well positioned financially. Revenues remain strong, are higher than the five-year average, and expenditures remain within planned budgets.

ADMINISTRATIVE REVENUE

Metroparks administrative revenue consists of all revenue sources that are not generated directly by park operations. Tax revenue accounts for the vast majority.

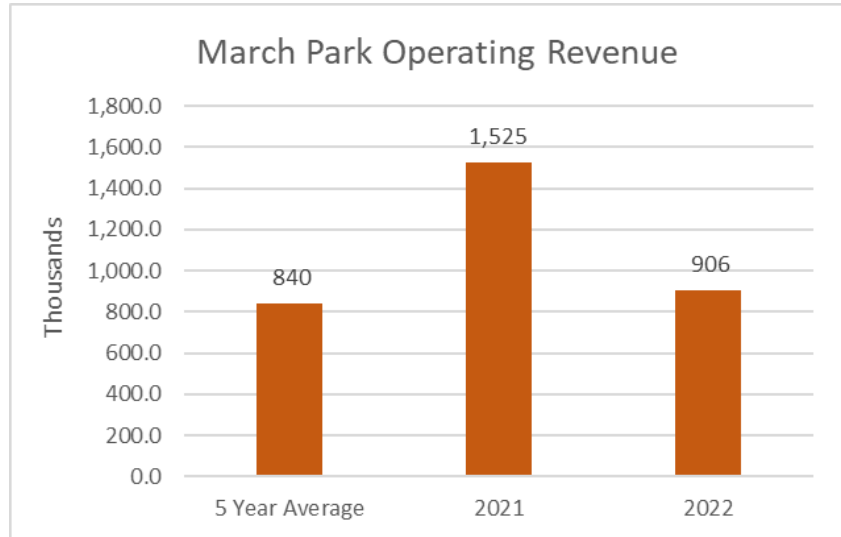
At the end of March, total tax revenue recognized by the Metroparks increased from 2021 by \$754,000. Fortunately, the amount of revenue collected as of March month end has increased compared to March 2021 month end. In 2021 we had collected 77 percent of taxes owed. In 2022 that amount is higher at 85 percent.



PARK OPERATING REVENUE

BY ACTIVITY

As stated earlier, keep in mind that the Metroparks had an exceptional year in 2021 as far as revenue is concerned. Total operating revenue for 2021 exceeded the budget by \$3.9 million or 19.2 percent. As a result, the year over year comparison may not reflect an objective projection for 2022. A 5-year average has been added to the data to provide a more realistic benchmark.

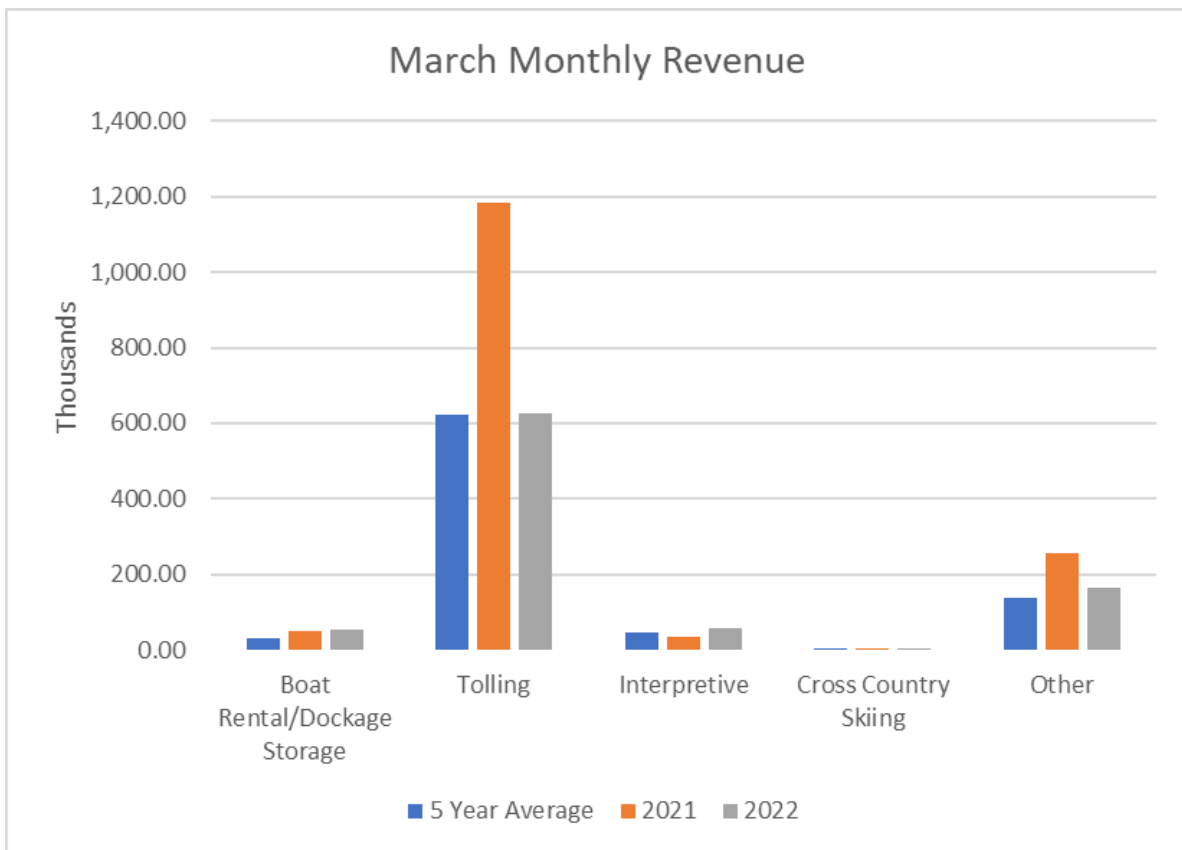


The parks generated \$906,000 in revenue during March 2022 compared to \$1.5 million in 2021. The 5-year average for operating revenue is \$840,000. March park operating revenue decreased \$620,000 or 40.6 percent compared to 2021 and increased \$65,000 or 7.8 percent compared to the five-year average. A portion of the decrease in operating revenue is related weather and golf. The weather was warmer in March 2021 by an average of five degrees and the golf course opened the last week in March of 2021. The golf courses did not open in March 2022 due to weather. Golf revenue in 2021 was over \$100,000.



Breaking down park operating revenue by the activity, the most significant source of revenue is tolling. However, the \$625,000 generated was lower than 2021 by \$557,000 or 47 percent and higher by the five-year average by \$2,000 or .3 percent.

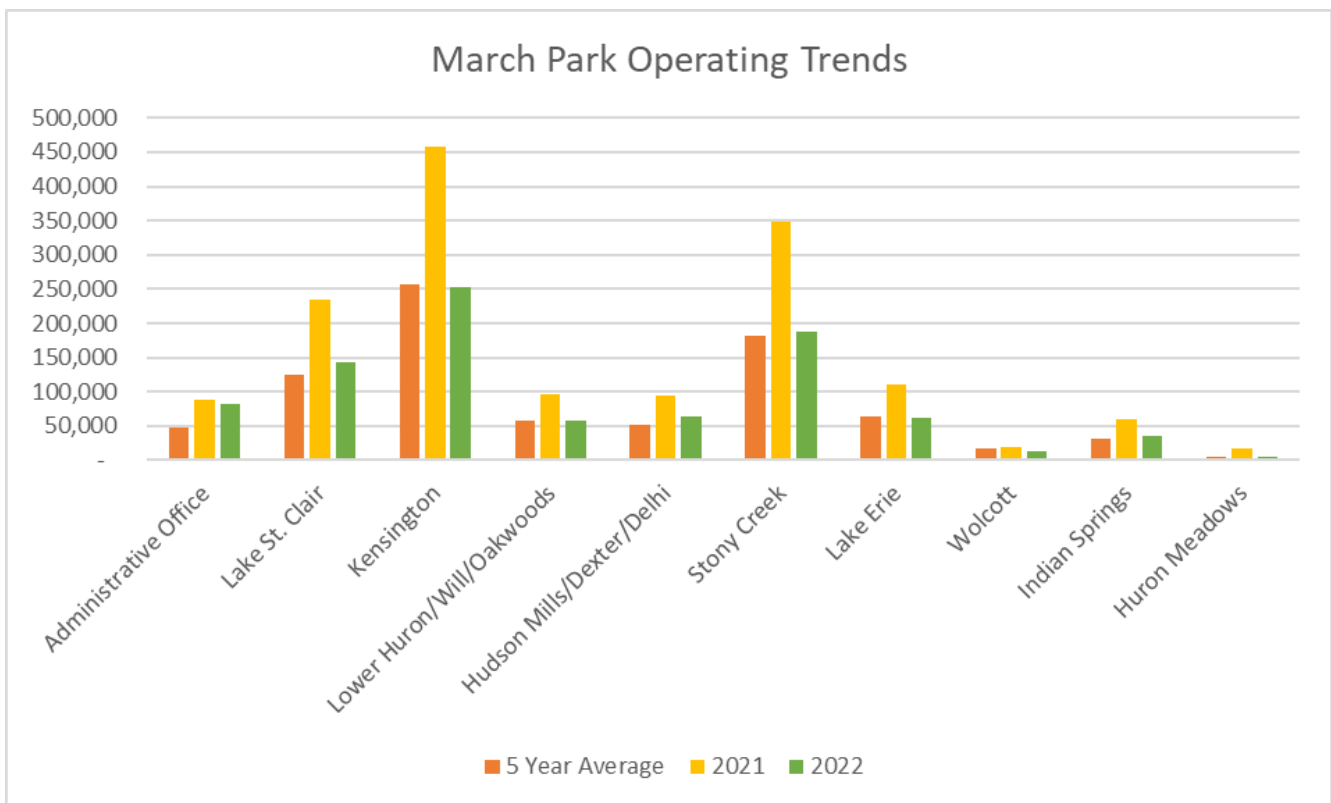
The other and interpretive categories were the second and third largest source of operating revenue for the month. The other categories consist of special events, camping, shelter reservations, facility rentals, and any additional leases/rentals. Other revenue was \$21,800 or 17 percent higher than 2021 and \$42,100 or 40 percent higher than the five-year average. Interpretive revenue was \$20,400 or 57 percent higher than 2021 and \$11,200 or 25 percent higher than the five-year average.



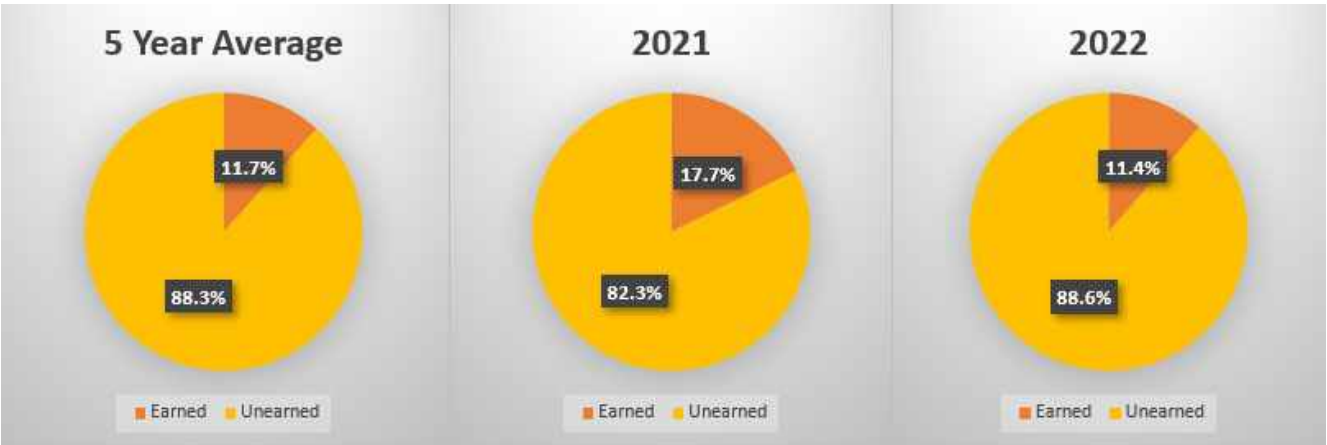
BY LOCATION

March 2022 park operating revenue decreased compared to 2021 and increased compared to the five-year average. The parks generated \$906,000 revenue during March 2022 compared to \$1.5 million in 2021 and \$840,000 in the five-year average.

Although the total revenue generated by park ranged from a high of \$252,000 at Kensington to a low of \$6,000 at Huron Meadows, almost every location decreased between 10 percent and 183 percent compared to 2021.



Considering year-to-date revenue, the parks continue to show a decline in revenue compared to the prior year. However, year to date revenue is still higher than the five-year average. The pie charts below have been updated to compare the amount of revenue earned at the end of March to the budgeted revenue not yet earned.



At the end of March 2022, we have generated 11.4 percent of budgeted operating revenue earned. We were around 17.7 percent and 11.7 percent for 2021 and the five-year average.

EXPENDITURES

ADMINISTRATIVE OFFICE

Overall, year-to-date Administrative Office expenditures are ahead of 2021 by \$119,422 or 6 percent. The increase is primarily related to the Huron Meadows trail connectors study, the five-year community recreation plan study and IT equipment/upgrades.

MAJOR MAINTENANCE AND CAPITAL

Approximately 33 percent of planned capital equipment and land acquisition purchases have been either paid for or encumbered. Payments during the month of March totaled \$5,991 or .23 percent of the budget.

As of the end of March, 15 percent of major maintenance projects have been either received or contracted for. March payments for major maintenance totaled over \$13,700 or .3 percent of the annual major maintenance budget.

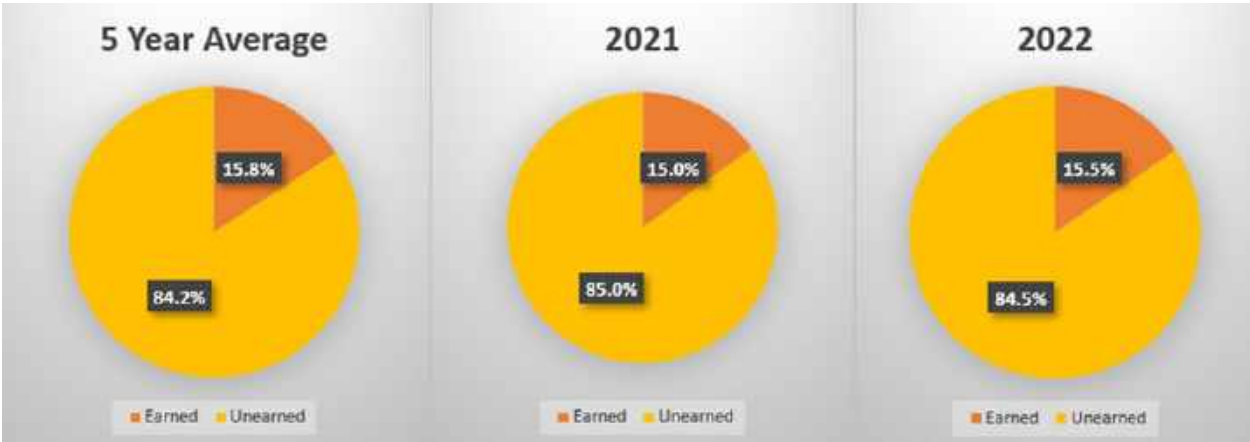
PARK OPERATIONS

Overall, year-to-date park operation expenditures are \$487,337 or 8.9 percent higher than the 2021 year-to-date level.

Looking at individual parks for the month of March, the variance between 2022 and 2021 numbers ranges between an increase of \$89,341 and a decrease of \$30,813 (17 percent).



At the end of March, we have used 15.5 percent of the annual budget, in 2021 the amount was 15 percent and 15.8 percent for the five-year average





To: Board of Commissioners
From: Jay Bibby, Interim Chief of Planning and Development
Project Title: Lake Erie Metropark – Accessible Launch Development
Date: April 8, 2022

Action Requested: Motion to approve

That the Board of Commissioners approve a resolution for acceptance of the project agreement of the Land and Water Conservation Fund grant for \$122,500 for the Lake Erie Metropark Accessible Launch Development as recommended by Interim Chief of Planning and Development Jay Bibby

Fiscal Impact: This is a reimbursement grant. The total cost of the project is estimated at \$245,000, of which the Metroparks will be responsible for 50 percent. This amounts to \$122,500 in cash outlay.

Background: The project will make improvements for accessibility along the Lake Erie Shoreline for a launch/take-out area using universal design principals. The project scope includes accessibility improvements to the boat launch restroom building, picnicking area and parking lot.

This project was a 2019 application and was behind in getting a project agreement due to review time by the State Historic Preservation Office. To move forward with accepting the grant funding, Metroparks staff must submit the executed project agreement and resolution.

**Attachment: Resolution
Project Agreement**

HURON-CLINTON METROPOLITAN AUTHORITY
13000 HIGH RIDGE DRIVE, BRIGHTON, MICHIGAN 48114

ACCEPTANCE OF LAND AND WATER CONSERVATION FUND GRANT FOR
LAKE ERIE METROPARK – ACCESSIBLE LAUNCH DEVELOPMENT

Motion made by: Commissioner _____

Resolution No. 2022-06

Supported by: Commissioner _____

AT A MEETING OF THE BOARD OF COMMISSIONERS OF THE HURON-CLINTON METROPOLITAN AUTHORITY HELD ON APRIL 14, 2022, THE BOARD ADOPTED THE FOLLOWING RESOLUTION:

WHEREAS, the Huron-Clinton Metropolitan Authority (“Authority”) previously supported the submission of an application titled, Lake Erie Metropark – Accessible Launch Development, to the Land and Water Conservation Fund grant program; and

WHEREAS, the Authority desires to redevelop the Lake Erie Boat Launch site using universal design principles, including a new accessible floating canoe/kayak dock, launch, and gangway; a new pea stone/sand launch area; parking lot restriping for van accessible trailer spaces; accessible picnic tables and grills; restroom modifications; amenities including accessible aggregate walkways, signage, and a pet waste station; and various landscape features; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Huron-Clinton Metropolitan Authority does hereby accept the terms of the Agreement for LW19-0015 (26-1822) as received from the Michigan Department of Natural Resources (DEPARTMENT),

BE IT FURTHER RESOLVED that the Huron-Clinton Metropolitan Authority 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 \$122,500 dollars (\$82,500 in cash outlay, \$40,000 in workforce labor) match for 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.”

AYES: Commissioners: _____

NAYS: Commissioners: _____

ABSTAIN: Commissioners: _____

ABSENT: Commissioners: _____

I hereby certify that the above is a true and correct copy of the Resolution adopted by the Huron-Clinton Metropolitan Authority, on Thursday, April 14, 2022.

Shawn Athayde, Recording Secretary



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 Huron-Clinton Metropolitan Authority in the county of Livingston 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 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: Lake Erie Metropark - Accessible Launch Development Project Number: 26-01822

Amount of grant: \$122,500.00 50% PROJECT TOTAL: \$245,000.00

Amount of match: \$122,500.00 50%

Start Date: Date of Execution by DEPARTMENT End Date: 06/30/2024

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 03/02/2022, 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 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]: Amy McMillan

Title: Director

Organization: Huron-Clinton Metropolitan Authority

07423391700000

DUNS Number CV0048158 AD008

SIGMA Vendor Number SIGMA Address ID

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

SIGNED

By: Grants Section Manager

Date of Execution by DEPARTMENT

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

Janet Briles, Grant Project & Foundation Coordinator
Name/Title

Huron-Clinton Metropolitan Authority
Organization

13000 High Ridge Dr
Address

Brighton, MI 48114
Address

586-219-7865
Telephone Number

Janet.Briles@Metroparks.com
E-mail Address

DEPARTMENT CONTACT

LWCF Grant Program Manager
Name/Title

Grants Management/DNR Finance & Operations
Organization

525 W. Allegan Street, Lansing, MI 48933
Address

P.O. Box 30425, Lansing, MI 48909
Address

517-284-7268
Telephone Number

DNR-Grants@michigan.gov
E-mail Address

2. The legal description of the project area, boundary map of the project area, the development grant application bearing the number **26-01822** uploaded to MiGrants and the Land and Water Conservation Fund Project Agreement General Provisions (APPENDIX D) are by this reference made part of this Agreement. 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. Commitments made by the DEPARTMENT to the SERVICE in APPENDIX D are binding upon the GRANTEE. In such cases where a provision of this AGREEMENT is in conflict with APPENDIX D, the provisions in APPENDIX D will prevail.
4. The time period allowed for project completion is from **01/01/2022** through **06/30/2024**, 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
Canoe/Kayak Launch or Ramp
Grill(s)
Landscaping
Paved ADA Parking Space(s)
Pet Waste Station
Picnic Table(s)

Restroom Building Renovations
Seawall or Shoreline Stabilization
Signage
Permit Fees

7. The DEPARTMENT will:

- a. grant to the GRANTEE a sum of money equal to **Fifty Percent (50%)** of **Two Hundred and Forty-Five Thousand dollars (\$245,000.00)**, 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 Twenty-Two Thousand Five Hundred dollars (\$122,500.00)**.
- 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.

8. The GRANTEE will:

- a. immediately make available all funds required to complete the project and to **One Hundred and Twenty-Two Thousand Five Hundred dollars (\$122,500.00)** 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.
- 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.
9. 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.
10. 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**

9/30/2024. 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 .

11. 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.
12. 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 .
13. 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.
14. 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.
15. 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 .
16. 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 .
17. 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 or 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.
18. 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 or 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 .
19. 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.
20. 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.
 21. 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.
 22. 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.
 23. 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.
 24. 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.
 25. 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.
 26. 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.
 27. 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.
 28. Failure by the GRANTEE to comply any of the provisions of this Agreement shall constitute a material breach of this Agreement.
 29. 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.
- 30.** 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.
- 31.** 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
- 32.** 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.
- 33.** 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.
- 34.** 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.
- 35.** The GRANTEE may not assign or transfer any interest in this Agreement without prior written authorization of the DEPARTMENT, and as appropriate, the SERVICE.
- 36.** 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.

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

APPENDIX D

LAND AND WATER CONSERVATION FUND PROJECT AGREEMENT GENERAL PROVISIONS

Part I - Definitions

- A. The term "NPS" or "Service" as used herein means the National Park Service, United States Department of the Interior.
- B. The term "Director" as used herein means the Director of the National Park Service, or any representative lawfully delegated the authority to act for such Director.
- C. The term "Manual" as used herein means the Land and Water Conservation Fund State Assistance Program Manual .
- D. The term "project" as used herein means a Land and Water Conservation Fund grant which is subject to the project agreement and/or its subsequent amendments.
- E. The term "State" as used herein means the State or Territory which is a party to the project agreement , and, where applicable, the political subdivision or public agency to which funds are to be transferred pursuant to this agreement. Wherever a term, condition, obligation, or requirement refers to the State, such term, condition, obligation, or requirement shall also apply to the recipient political subdivision or public agency, except where it is clear from the nature of the term, condition, obligation, or requirement that it is to apply solely to the State. For purposes of these provisions, the terms "State," "grantee," and "recipient" are deemed synonymous.
- F. The term "Secretary" as used herein means the Secretary of the Interior, or any representative lawfully delegated the authority to act for such Secretary.

Part II - Continuing Assurances

The parties to the project agreement specifically recognize that the Land and Water Conservation Fund project creates an obligation to maintain the property described in the project agreement and supporting application documentation consistent with the Land and Water Conservation Fund Act and the following requirements .

Further, it is the acknowledged intent of the parties hereto that recipients of assistance will use monies granted hereunder for the purposes of this program, and that assistance granted from the Fund will result in a net increase, commensurate at least with the Federal cost-share, in a participant's outdoor recreation.

It is intended by both parties hereto that assistance from the Fund will be added to, rather than replace or be substituted for, State and local outdoor recreation funds.

- A. The State agrees, as recipient of this assistance, that it will meet the following specific requirements and that it will further impose these requirements, and the terms of the project agreement, upon any political subdivision or public agency to which funds are transferred pursuant to the project agreement. The State also agrees that it shall be responsible for compliance with the terms of the project agreement by such a political subdivision or public agency and that failure by such political subdivision or public agency to so comply shall be deemed a failure by the State to comply with the terms of this agreement.
- B. The State agrees that the property described in the project agreement and the signed and dated project boundary map made part of that agreement is being acquired or developed with Land and Water Conservation Fund assistance , or is integral to such acquisition or development, and that, without the approval of the Secretary, it shall not be converted to other than public outdoor recreation use but shall be maintained in public outdoor recreation in perpetuity or for the term of the lease in the case of leased property. The Secretary shall approve such conversion only if it is found to be in accord with the then existing comprehensive statewide outdoor recreation plan and only upon such conditions deemed necessary to assure the substitution of other recreation properties of at least equal fair market value and of reasonably equivalent usefulness and location pursuant to Title 36 Part 59.3 of the *Code of Federal Regulations*. This replacement land becomes subject to Section 6(f)(3) protection. The approval of a conversion shall be at the sole discretion of the Secretary, or his designee.

Prior to the completion of this project, the State and the Director may mutually alter the area described in the project agreement and the signed and dated project boundary map to provide the most satisfactory public outdoor recreation unit, except that acquired parcels are afforded Section 6(f)(3) protection as Fund reimbursement is provided.

In the event the NPS provides Land and Water Conservation Fund assistance for the acquisition and /or development of property with full knowledge that the project is subject to reversionary rights and outstanding interests, conversion of said property to other than public outdoor recreation uses as a result of such right or interest being exercised will occur. In receipt of this approval, the State agrees to notify the Service of the potential conversion as soon as possible and to seek approval of replacement property in accord with the conditions set forth in these provisions and program regulations. The provisions of this paragraph are also applicable to: leased properties acquired and/or developed with Fund assistance where such lease is terminated prior to its full term due to the existence of provisions in such lease known and agreed to by the Service; and properties subject to other outstanding rights and interests that may result in a conversion when known and agreed to by the Service.

- C. The State agrees that the benefit to be derived by the United States from the full compliance by the State with the terms of this agreement is the preservation, protection, and the net increase in the quality of public outdoor 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 United States by way of assistance under the terms of this agreement. The State agrees that payment by the State to the United States of an amount equal to the amount of assistance extended under this agreement by the United States would be inadequate compensation to the United States for any breach by the State of this agreement.

The State further agrees, therefore, that the appropriate remedy in the event of a breach by the State of this agreement shall be the specific performance of this agreement or the submission and approval of a conversion-of-use request as described in Section II.B above.

- D. The State agrees to comply with the policies and procedures set forth in Manual. Provisions of said Manual are incorporated into and made a part of the project agreement.
- E. The State agrees that the property and facilities described in the project agreement shall be operated and maintained as prescribed by Manual requirements and published post-completion compliance regulations (Title 36 Part 59 of the *Code of Federal Regulations*).
- F. The State agrees that a permanent record shall be kept in the participant's public property records and available for public inspection to the effect that the property described in the scope of the project agreement , and the signed and dated project boundary map made part of that agreement, has been acquired or developed with Land and Water Conservation Fund assistance and that it cannot be converted to other than public outdoor recreation use without the written approval of the Secretary of the Interior.
- G. Nondiscrimination
1. By signing the LWCF agreement, the State certifies that it will comply with all Federal laws relating to nondiscrimination as outlined in the Civil Rights Assurance appearing at Part III -I herein.
 2. The State shall not discriminate against any person on the basis of residence, except to the extent that reasonable differences in admission or other fees may be maintained on the basis of residence as set forth in the Manual .

Part III - Project Assurances

A. Applicable Federal Circulars

The State shall comply with applicable regulations, policies, guidelines and requirements as they relate to the application, acceptance and use of Federal funds for this federally assisted project, including:

-OMB Circular A-102, Uniform Administrative Requirements for Grants and Cooperative Agreements with State and Local Governments;

-43 CFR Part 12, Administrative and Audit Requirements and Cost Principles for Assistance Programs , Department of

the Interior;

-A-87, Cost Principles for State, Local, and Indian Tribal Governments; and

-A-133, Audits of States, Local Governments, and Non-Profit Organizations.

B. Project Application

1. The Application for Federal Assistance bearing the same project number as the agreement and associated documents is by this reference made a part of the agreement.
2. The State possesses legal authority to apply for the grant, and to finance and construct the proposed facilities. A resolution, motion or similar action has been duly adopted or passed authorizing the filing of the application, including all understandings and assurances contained herein, and directing and authorizing the person identified as the official representative of the State to act in connection with the application and to provide such additional information as may be required.
3. The State has the capability to finance the non-Federal share of the costs for the project. Sufficient funds will be available to assure effective operation and maintenance of the facilities acquired or developed by the project .

C. Project Execution

1. The project period shall begin with the date of approval of the project agreement or the effective date of a waiver of retroactivity and shall terminate at the end of the stated or amended project period unless the project is completed or terminated sooner in which event the project shall end on the date of completion or termination.
2. The State shall transfer to the project sponsor identified in the Application for Federal Assistance or the Description and Notification Form all funds granted hereunder except those reimbursed to the State to cover eligible administrative expenses.
3. The State will cause work on the project to be commenced within a reasonable time after receipt of notification that funds have been approved and assure that the project will be prosecuted to completion with reasonable diligence.
4. The State will require the facility to be designed to comply with the Architectural Barriers Act of 1968 (Public Law 90-480) and DOI Section 504 Regulations (43 CFR Part 17). The State will be responsible for conducting inspections to insure compliance with these specifications by the contractor.
5. The State shall secure completion of the work in accordance with approved construction plans and specifications, and shall secure compliance with all applicable Federal, State, and local laws and regulations.
6. In the event the project covered by the project agreement, cannot be completed in accordance with the plans and specifications for the project; the State shall bring the project to a point of recreational usefulness agreed upon by the State and the Director or his designee.
7. The State will provide for and maintain competent and adequate architectural/engineering supervision and inspection at the construction site to insure that the completed work conforms with the approved plans and specifications; that it will furnish progress reports and such other information as the NPS may require.
8. The State will comply with the terms of Title II and Title III, the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646), 94 Stat. 1894 (1970), and the applicable regulations and procedures implementing such Act for all real property acquisitions and where applicable shall assure that the Act has been complied with for property to be developed with assistance under the project agreement.
9. The State will comply with the provisions of: Executive Order 11988, relating to evaluation of flood hazards; Executive Order 11288, relating to the prevention, control, and abatement of water pollution, and Executive Order 11990 relating to the protection of wetlands.
10. The State will comply with the flood insurance purchase requirements of Section 102(a) of the Flood Disaster

Protection Act of 1973, Public Law 93-234, 87 Stat. 975, approved December 31, 1976. Section 102(a) requires the purchase of flood insurance in communities where such insurance is available, as a condition for the receipt of any Federal financial assistance for construction or acquisition purposes, for use in any area that has been identified as an area having special flood hazards by the Flood Insurance Administration of the Federal Emergency Management Agency. The phrase "Federal financial assistance" includes any form of loan, grant, guaranty, insurance payment, rebate, subsidy, disaster assistance loan or grant, or any other form of direct or indirect Federal assistance.

11. The State will assist the NPS in its compliance with Section 106 of the National Historic Preservation Act of 1966 as amended (16 U.S.C. 470), Executive Order 11593, and the Archaeological and Historic Preservation Act of 1966 (16 U.S.C. 469a-1 et seq.) by (a) consulting with the State Historic Preservation Officer on the conduct of investigations, as necessary, to identify properties listed in or eligible for inclusion in the National Register of Historic Places that are subject to effects (see CFR Part 800.8) by the activity, and notifying the Federal grantor agency of the existence of any such properties, and by (b) complying with all requirements established by the Federal grantor agency to avoid or mitigate adverse effects upon such properties .
12. The State will comply with "Minority Business Enterprises" and "Women's Business Enterprises" pursuant to Executive Orders 11625 and 12138 as follows:
 - (1) Place minority and women business firms on bidder's mailing lists.
 - (2) Solicit these firms whenever they are potential sources of supplies, equipment, construction, or services.
 - (3) Where feasible, divide total requirements into smaller needs, and set delivery schedules that will encourage participation by these firms.
 - (4) The Department of the Interior is committed to the objectives of this policy and encourages all recipients of its grants and cooperative agreements to take affirmative steps to ensure such fairness .

The National Park Service Regional Offices will work closely with the States to ensure full compliance and that grant recipients take affirmative action in placing a fair share of purchases with minority business firms.

13. The State will comply with the intergovernmental review requirements of Executive Order 12372.

D. Construction Contracted for by the State Shall Meet the Following Requirements:

1. Contracts for construction shall comply with the provisions of 43 CFR Part 12 (Administrative and Audit Requirements and Cost Principles for Assistance Programs, Department of the Interior).
2. No grant or contract may be awarded by any grantee, subgrantee or contractor of any grantee or subgrantee to any party which has been debarred or suspended under Executive Order 12549. By signing the LWCF agreement, the State certifies that it will comply with debarment and suspension provisions appearing at Part III-J herein.

E. Retention and Custodial Requirements for Records

1. Financial records, supporting documents, statistical records, and all other records pertinent to this grant shall be retained in accordance with 43 CFR Part 12 for a period of three years; except the records shall be retained beyond the three-year period if audit findings have not been resolved.
2. The retention period starts from the date of the final expenditure report for the project.
3. State and local governments are authorized to substitute copies in lieu of original records.
4. The Secretary of the Interior and the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers, and records of the State and local governments and their subgrantees which are pertinent to a specific project for the purpose of making audit, examination, excerpts and transcripts.

F. Project Termination

1. The Director may temporarily suspend Federal assistance under the project pending corrective action by the State or pending a decision to terminate the grant by the Service.
2. The State may unilaterally terminate the project at any time prior to the first payment on the project. After the initial payment, the project may be terminated, modified, or amended by the State only by mutual agreement.
3. The Director may terminate the project in whole, or in part, at any time before the date of completion, whenever it is determined that the grantee has failed to comply with the conditions of the grant. The Director will promptly notify the State in writing of the determination and the reasons for the termination, together with the effective date. Payments made to States or recoveries by the Service under projects terminated for cause shall be in accord with the legal rights and liabilities of the parties.
4. The Director or State may terminate grants in whole, or in part at any time before the date of completion, when both parties agree that the continuation of the project would not produce beneficial results commensurate with the further expenditure of funds. The two parties shall agree upon the termination conditions, including the effective date and, in the case of partial termination, the portion to be terminated. The grantee shall not incur new obligations for the terminated portion after the effective date, and shall cancel as many outstanding obligations as possible. The NPS may allow full credit to the State for the Federal share of the noncancelable obligations, properly incurred by the grantee prior to termination.
5. Termination either for cause or for convenience requires that the project in question be brought to a state of recreational usefulness agreed upon by the State and the Director or that all funds provided by the National Park Service be returned.

G. Lobbying with Appropriated Funds

The State must certify, for the award of grants exceeding \$100,000 in Federal assistance, that no Federally appropriated funds have been paid or will be paid, by or on behalf of the State, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding, extension, continuation, renewal, amendment, or modification of this grant. In compliance with Section 1352, title 31, U.S. Code, the State certifies, as follows:

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

H. Provision of a Drug-Free Workplace

In compliance with the Drug-Free Workplace Act of 1988 (43 CFR Part 12, Subpart D), the State certifies, as follows:

The grantee certifies that it will or continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;

(b) Establishing an ongoing drug-free awareness program to inform employees about:

- (1) The dangers of drug abuse in the workplace;*
- (2) The grantee's policy of maintaining a drug-free workplace;*
- (3) Any available drug counseling, rehabilitation, and employee assistance programs; and*
- (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;*

(c) Making it a requirement that each employee to be engaged in the performance of a grant be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will:

- (1) Abide by the terms of the statement; and*
- (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;*

(e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted;

- (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or*
- (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;*

(g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e) and (f).

The State must include with its application for assistance a specification of the site(s) for the performance of work to be done in connection with the grant.

I. Civil Rights Assurance

The State certifies that, as a condition to receiving any Federal assistance from the Department of the Interior, it will comply with all Federal laws relating to nondiscrimination. These laws include, but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d-1), which prohibits discrimination on the basis of race, color, or national origin; (b) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the basis of handicap; (c) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101 et. seq.), which prohibits discrimination on the basis of age; and applicable regulatory requirements to the end that no person in the United States shall, on the grounds of race, color, national origin, handicap or age, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity conducted by the applicant. THE APPLICANT HEREBY GIVES ASSURANCE THAT it will immediately take any measures necessary to effectuate this agreement. THIS ASSURANCE shall apply to all aspects of the applicant's operations including those parts that have not received or benefited from Federal financial assistance.

If any real property or structure thereon is provided or improved with the aid of Federal financial assistance extended to the Applicant by the Department, this assurance shall obligate the Applicant, or in the case of any transfer of such property, any transferee, for the period during which it retains ownership or possession of the property. In all other cases, this assurance shall obligate the Applicant for the period during which the Federal financial assistance is extended to it by the Department.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, property, discounts or other Federal financial assistance extended after the date hereof to the Applicant by the Department, including installment payments after such date on account of applications for Federal financial assistance which were approved before such date.

The Applicant recognizes and agrees that such Federal financial assistance will be extended in reliance on the representations and agreements made in this assurance, and that the United State shall have the right to seek judicial enforcement of this assurance. This assurance is binding on the Applicant, its successors, transferees, assignees, and subrecipients and the person whose signature appears on the grant agreement and who is authorized to sign on behalf of the Applicant.

J. Debarment and Suspension

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

(1) *The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:*

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this proposal 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; violation of Federal or State antitrust statutes or commission or embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(2) *Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.*

The State further agrees that it will include the clause "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions" appearing below in any agreement entered into with lower tier participants in the implementation of this grant. Department of Interior Form 1954 (DI-1954) may be used for this purpose.

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion - Lower Tier Covered Transactions

(1) *The prospective lower tier participant certifies, by submission of this application that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.*

(2) *Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this application.*

Revised 10/01/2008



To: Board of Commissioners
From: Mike Henkel, Chief of Engineering Services
Project No: 506-22-502-D
Project Title: Turtle Cove New Slide Structure Design and Construction Services
Project Type: Capital Project
Location: Lower Huron Metropark
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners award contract 506-22-502-D to Water Technology, Inc. in the amount of \$189,700 as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: \$1.6 million is currently allocated for the project in the 2022 Board approved budget.

Scope of Work: The work includes professional design services for the addition of a new three flume slide at Turtle Cove Aquatic facility.

Background: Water Technology Inc., is the design firm responsible for the existing concept and development of the Turtle Cove Aquatic facility. As such, they have intimate knowledge of the existing mechanical and structural components of the facility. In addition, they have two of the original staff members that had worked on the existing facility, which will bring efficiency to the design components necessary for the installation of the new slide feature.

Water Technology, Inc. also has extensive design knowledge of many aquatic facilities and are able to provide many in house staff to aid in the project’s completion. In addition, Water Technology Inc (WTI) is partnering with the engineering and design firm of GRAEF to provide additional services. Key components of their design tasks will include site, building and aquatic components, cost estimates, utilities, development of bidding documents, and construction administration.

Budget Amount for Contract Services	
- New Slide Structure at Turtle Cove	\$1,600,000.00
Work Order Amount	
- Contract Amount Water Technology Inc	\$ 189,700.00
- Contract Administration	<u>\$ 30,000.00</u>
o Total Proposed Work Order Amount	\$ 219,700.00

Attachment: Water Technology, Inc. Proposal

HURON-CLINTON METROPOLITAN AUTHORITY NEW SLIDE STRUCTURE DESIGN AND CONSTRUCTION SERVICES LOWER HURON METROPARK

MARCH 31, 2022



WTI
WATER TECHNOLOGY INC.

**RESPONSE TO:
HURON-CLINTON METROPOLITAN AUTHORITY**

**LAURA.MARTIN@METROPARKS.COM
CC: MIKE.HENKEL@METROPARKS.COM**

GENERAL INFORMATION AND PROJECT TEAM

A

UNDERSTANDING OF PROJECT AND TASKS:

B

MANAGEMENT SUMMARY, WORK PLAN, AND
SCHEDULE

C

PERSONNEL

D

BUDGET REVIEW

E

REFERENCES

F

FULL COST PROPOSAL

ADDED SECTION

HURON-CLINTON METROPOLITAN AUTHORITY NOTICE OF REQUEST FOR PROPOSALS (RFP)

Design Project Title: ~~New Slide Structure Design and Consultation~~ **Construction Services**
Park Name: Lower Huron Metropark
Park Address: ~~Family Aquatic Center, 17845 S. Savage Road,~~ **40151 E Huron River Dr.,** Belleville,
MI, **48111**
RFP No.: 506-22-502-D
Issue Date: March 17, 2022
Response Date: March 31, 2022 (If additional time is required to complete proposal, please
contact HCMA contact via e-mail.)
PROPOSAL DUE TIME: By 4:00 PM (local time)

LOCATION: Return Proposal Via E-mail: laura.martin@metroparks.com; cc:mike.henkel@metroparks.com.

DESCRIPTION: The Huron-Clinton Metropolitan Authority is issuing a Request for Proposal (RFP) to qualified professional consulting firms to perform services as detailed in Attachment A, Statement of Work.

INDEX: Included in this RFP are the following:

- RFP Form (this form)
 - Attachment A – Statement of Work (and attachments, if any)
 - Attachment A.1 Proposed Site Plan
 - Attachment A.2 Proposed 3-slide Slide Structure
 - Attachment B – Standard Authority Professional Services Agreement form (for information only)
- ✓ A copy of the complete RFP has been provided to qualified professional consulting firm

Proponents responding to this RFP are strongly encouraged to carefully read the entire RFP

Direct inquiries regarding this RFP to Laura L. Martin, P.E., Project Representative,

of the Engineering Department, at (Phone)810-494-6056 ; Email: laura.martin@metroparks.com

This Proposal is Offered By: Name: Jennifer Gerber
Address: 100 Park Avenue
City, State: Beaver Dam, WI Zip: 53916
Phone: 920.887.7375 Email: jgerber@wtiworld.com

TEAM LETTER OF INTEREST

March 31, 2022

HURON-CLINTON METROPOLITAN AUTHORITY
ATTN: LAURA L. MARTIN, P.E., PROJECT REPRESENTATIVE, ENGINEERING DEPT
13000 HIGH RIDGE DRIVE
BRIGHTON, MICHIGAN 48114

RE: HURON-CLINTON METROPOLITAN AUTHORITY NEW SLIDE STRUCTURE DESIGN AND CONSTRUCTION SERVICES

Dear Huron-Clinton Metropolitan Authority Selection Committee,

Thank you for inviting Water Technology, Inc. (WTI) to respond to the RFP for the Huron-Clinton Metropolitan Authority (HCMA) New Slide Structure Design and Construction Services. We are pleased to be submitting our qualifications for your consideration and have created a thoughtful response that highlights our capabilities and qualifications. Together with our partner, GRAEF, we are confident that we can provide a seamless design and consultation process that will result in an exciting new amenity next summer. This team's collective and shared experience with aquatic planning, design, engineering is unparalleled, with a large portfolio of new construction, as well as amenity addition projects where budget and schedule were paramount to the success of the project.


The WTI and GRAEF team have completed more than 500 projects together throughout North America over the last 25 years, and our team has critical experience in the following areas that will be of benefit to future of the HCMA team:

- Projects of a similar size and scope – We have included a variety of similar projects where we achieved a waterslide complex addition, or where a waterslide complex was part of new construction in the park.
- Projects with Splashtacular Waterslides – Splashtacular is a preferred vendor and partner on most of our projects and know that we'll get priority attention throughout design and construction.
- Projects where park maintenance and operations is top of mind – our team focuses on project decisions that positively impact operations, efficiency, and longevity.
- Projects that were successful because of our strict adherence to the schedule and budget – ensuring that project expectations were met.

Most notably, we're excited to be considered for an amenity enhancement at a park that we originally designed. In fact, many of our staff who worked on the original design in 2004 are still part of the WTI team and are assigned to this project. The original project manager, Scott Lemonds will work with the original project designer, Adam Pfister, to ensure a seamless project delivery for HCMA. Since 2004, we have grown our team significantly and Scott and Adam will be supported by a full team of passionate professionals who will enhance our offerings for this project.

WTI was founded on the belief that aquatic recreation can bring people and communities together and we are pleased to offer you our proposal to accomplish this. From the entire WTI team, thank you for the opportunity to share our qualifications and experience and we look forward to working collaboratively with the Huron-Clinton Metropolitan Authority.

Respectfully Submitted,



Jennifer Gerber
Business Development Leader
Mobile: 763.360.0594
jgerber@wtiworld.com





PART I: TECHNICAL PROPOSAL

A. GENERAL INFORMATION AND PROJECT TEAM

WATER TECHNOLOGY, INC



Firm Overview

The WTI team is a highly qualified group of individuals comprised of creative architects, landscape architects, engineers, designers, business developers and administrators, all with a passion for aquatics. Together, we combine our talents to develop original, aquatic facilities from concept to reality. In addition, WTI maintains solid relationships with other consultants and contractors and continues to set the standards in the aquatic industry across the United States and around the world.

PHILOSOPHY

Water Technology, Inc.'s (WTI) creative energy and passion embraces the philosophy that aquatic recreation completes communities and makes them a better place to live.

COMPANY DETAILS

- Established in 1983
- Largest Aquatic Design Firm in North America, Staff of 60+
- Quality Control Implementation
- Collaborative Team Process
- International Portfolio
- Specialized Aquatic Professionals on Staff:
 - Executive Team (5)
 - Project Development (4)
 - Architects (4)
 - Landscape Architects (2)
 - Engineers (6)
 - - Civil (2), Mechanical (3), Structural (1)
 - Artistic / Creative Design (3)
 - Site Planners / Designers (3)
 - Technical Designers (7)
 - Mechanical Designers (6)
 - Project Managers (8)
 - Administrative (7)

WTI ADVANTAGES

- Solution driven planning and philosophy
- Two-way sharing process between WTI and client
- Forward-looking designs that support dynamic community programs
- 150+ AQUATIC Projects Per Year
- Historical database of cost estimates and realistic timelines

EXTENSIVE PORTFOLIO OF PROJECTS OF VARYING VENUES

- Waterparks
- Resort and Hotel Pools
- Competition Pools
- Faith Based Community Centers
- Water Playgrounds
- Public Facilities
- Therapy and Wellness Pools
- Schools and Universities

Locations

WTI

100 Park Avenue
Beaver Dam, WI 53916
T. 920.887.7375
FIN 39-1466848
***WTI IS A CORPORATION, INCORPORATED IN WISCONSIN*

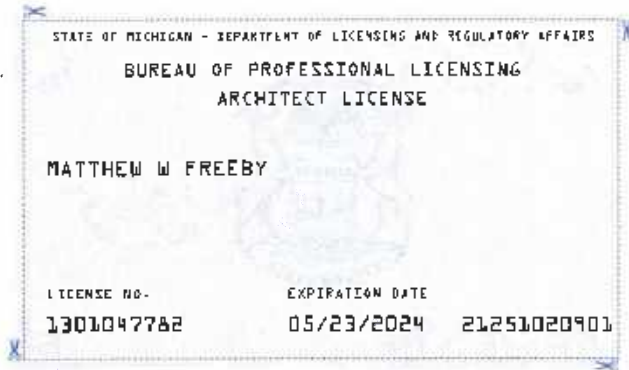
SUB-CONSULTANT - GRAEF

275 West Wisconsin Avenue Suite 300
Milwaukee, WI 53203
T. 414.259.1500
FIN 39-1083592
***GRAEF IS A CORPORATION, INCORPORATED IN WISCONSIN*

WWW.WTIWORLD.COM



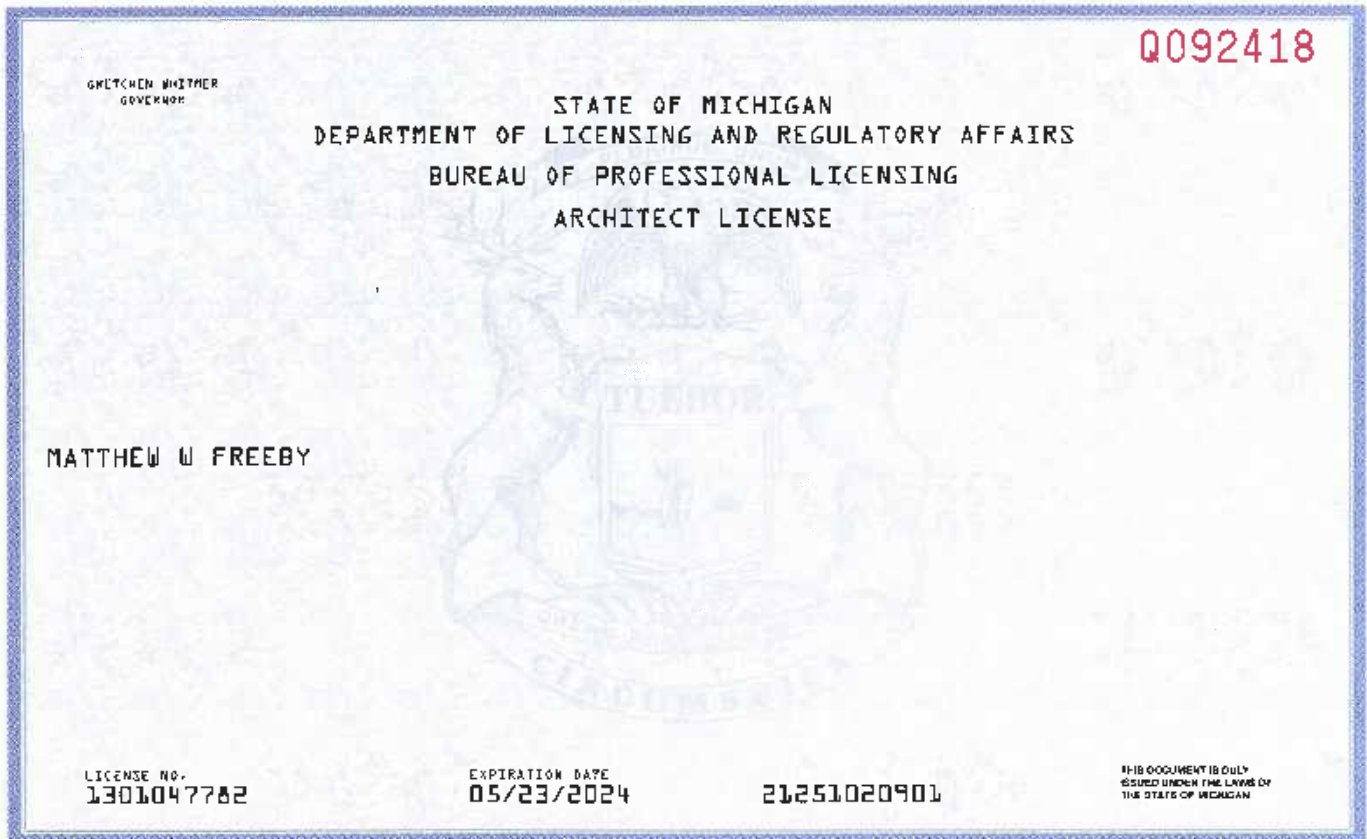
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF PROFESSIONAL LICENSING
P.O. BOX 30670
LANSING, MI 48909



MATTHEW W FREEBY
309 FARWELL
BEAVER DAM, WI 53916

COMPLAINT INFORMATION:
THE ISSUANCE OF THIS LICENSE SHOULD NOT BE CONSTRUED AS A WAIVER, DISMISSAL OR ACQUIESCENCE TO ANY COMPLAINTS OR VIOLATIONS PENDING AGAINST THE LICENSEE, ITS AGENTS OR EMPLOYEES.

FUTURE CONTACTS:
YOU SHOULD DIRECT INQUIRIES REGARDING THIS LICENSE OR ADDRESS CHANGES TO THE DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS BY EMAILING BPLHELP@MICHIGAN.GOV OR CALL (517) 241-6199



our core purpose
To improve the
physical environment
for the benefit
of society in a
sustainable manner.

Green Bay Office
1150 Springhurst Drive
Suite 201
Green Bay, WI 54304
tel 920 / 592 9440

Other Offices
Milwaukee, WI – Corp Headquarters
Chicago, IL – Loop
Chicago, IL – O’Hare
Madison, WI
Miami, FL
Minneapolis, MN
Orlando, FL
Sarasota, FL
Turks and Caicos Island

Federal ID
39-1083592

www.graef-usa.com



The GRAEF/Water Technology, Inc. (WTI) team has a long history of collaborative work on many different types of aquatic facilities. Our efforts together range from existing facility assessments, to master plans, to conceptual design, and through full detailed design and construction. We have seen it all and done it all...Together. WTI/ GRAEF have partnered on municipal facility projects for over 25 years. Our team has completed over 400 municipal projects of various types, many of them local and regional. We also have the background and experience to understand how to integrate aquatic facilities within existing infrastructure and park amenities.

GRAEF is a multi-discipline, planning, design, and engineering firm dedicated to serving public and private clients throughout the United States. For 60 years, our ability to excel has been driven by integrity, quality, and our commitment to customer service. GRAEF began as an individual partnership structural engineering firm in 1961. Today, with 275 employees in ten offices in the Midwest, Florida and Turks and Caicos Islands,, GRAEF offers our clients a full range of consulting services.

GRAEF is ranked #366 in Engineering News-Record (ENR) Top 500 Largest Design Firms and is ranked #31 in Building Design + Construction’s (BD+C) list of the nation’s Top Engineering-Architecture firms.

Some examples of local and regional projects include:

- VFW Park Pool Master Conceptual Plan/Detailed Design/Construction – De Pere
- Legion Park Pool Master Conceptual Plan – De Pere
- Colburn Park Pool – Green Bay
- Erb Park/Pool Master Plan – Appleton
- Buchner Pool Master Plan – Waukesha County
- David F. Schultz Aquatic Center at Lincoln Park - Milwaukee County
- Municipal Pool Assessment - Kaukauna
- Tosa Pool at Hoyt Park – Wauwautosa
- Hydro Park – Kaukauna
- Downtown Park Sites – Neenah
- Herb and Dolly Smith Park – Neenah
- Loop the Lake Boardwalk Bridges – Neenah/Menasha
- Nelson Family Heritage Crossing Boardwalk Bridge - Little Chute/Kaukauna

Project cut sheets for some of these projects are included in this Proposal.



Technical Expertise

Civil

- GIS and Computer Modeling
- Potable Water Systems
- Water Resource Management
- Site Development
- Storm Water Systems
- Subdivisions
- Utility System Expansions
- Wastewater Systems

Environmental

- Air and Noise Analysis
- Asbestos/Lead Management
- Brownfields
- Natural Resource Assessments
- Permitting
- Program Management/Planning
- Real Estate Due Diligence
- Soil/Groundwater Remediation
- Watershed Management
- Wetland Services

Field Services

- ALTA Surveys
- GPS Surveying
- Construction Management, Inspection, Staking
- Land Surveys and Mapping
- Right-of-Way Plats
- Subdivision Platting
- Topographic and Site Surveys

Industrial Architecture

- Additions
- Buildings
- Building Facades
- Parking Structures
- Renderings
- Renovations
- Roof Systems

Landscape Architecture

- Site Planning/Design
- Community Planning
- Urban Design
- Streetscapes
- Parks and Recreational Facilities
- Golf Course Development
- Sustainable Design
- Quarry Architecture

Mechanical, Electrical, Plumbing, and Commissioning

- Communication and Alarm Systems
- Fire Protection Systems
- HVAC Systems
- Interior and Exterior Lighting
- Plumbing Systems
- Power Distribution
- Process Piping and Gas Systems
- Ventilation and Exhaust Systems
- Total Building Commissioning
- LEED Accredited Services
- Energy Modeling and Audits
- Smoke Control System Inspections
- Construction Management
- Structured Cabling

Operations Consulting

- Lean Manufacturing Design
- Plant Layout
- Process and Product Flow Analysis
- Process Utility Design
- Quality Control
- Set-up Reduction
- Staging and Material Logistics
- Work Cell Design

Planning

- Comprehensive Planning
- Urban Design
- Master Planning
- Main Street Redevelopment
- Corridor Redevelopment
- Property Development
- Plan Reviews
- Strategies for Sustainability
- Economic Development

Structural

- BIM (Building Information Modeling)
- Bridges
- Buildings
- Building Exteriors
- Foundations
- Forensic Analyses/Investigations
- Parking Structures
- Process
- Structural Systems

Transportation

- Curb and Gutter/Sidewalks
- Harbors and Marinas
- Pavement Design
- Railroad Spurs
- Relocation and Reconstruction
- Right-of-Way Services
- Roundabout Design
- Streets/Highways/Freeways
- Street Lighting
- Traffic Studies, Signalization and Signing

Pool and Water Park Clients



GRAEF has worked on many water park and wave pool projects across the country. Below is a short list of our clients.

- Schultz Family Aquatic Center at Lincoln Park
- Colburn Park Pool
- Erb Park and Swimming Pool Facility Evaluation/Concept Plan
- Aquatic Center at VFW Park
- Tosa Pool at Hoyt Park
- Buchner Park Pool Master Plan
- Great Wolf Lodge
- Bensenville Water Park
- Chula Vista Resort
- CoCo Key Water Park–Waterbury, CN
- CoCo Key Water Park–Fitchburg, MA
- Discovery Island Family Aquatic Center
- Heritage Park Aquatic Expansion
- Kinderberg Park Spray Ground Addition
- Magic Waters Expansion
- Mystic Waters Water Park Carowinds
- Great Wolf Lodge–Grand Mound, WA
- Great Wolf Lodge–Grapevine, TX
- Great Wolf Lodge–Mason, OH
- Great Wolf Lodge–Niagara Falls, Ontario
- Great Wolf Lodge–The Pocono Mountains, PA
- Great Wolf Lodge–Williamsburg, VA
- Greenfield Park Aquatic Center
- Kalahari Wisconsin Dells
- Kalahari Celebrate Virginia
- Kings Island
- Knotts Berry Farms Soak City USA
- Paramount's Great America
- Richard L. Coyne Pool at Eugene T. Mahoney State Park
- Rolling Hills Water Park
- SeaWorld's Adventure Park
- SeaWorld's Aquatica
- Somersplash
- Tidal Wave Bay at Geauga Lake's Wildwater Kingdom
- Tidal Wave Bay at Kings Dominion
- Wildwater Cove at Dorney Park & Wildwater Kingdom





B. UNDERSTANDING OF PROJECT AND TASKS

WTI - UNDERSTANDING OF PROJECT AND TASKS

PROJECT APPROACH

The most successful way to complete your project is to approach it as a Team. The WTI team strongly believes in involving the City, Staff, and the Huron-Clinton Metropolitan Authority (HCMA) and ultimately the community in the planning and design process.

One of the most challenging parts of any project is reaching consensus for key design decisions. Thankfully, HCMA has come to the table with the design decisions already made as far as what they would like to see for the future of the new waterslide addition at Lower Huron Metropark. WTI will work with Splashtacular and with HCMA to assist with specific color and final design decisions.

Graef will be a key part of the team as they work to provide an additional mechanical space that will house all of the necessary pumps and filtration equipment for the new waterslides. The team is committed to providing a design that will match the current styling within Lower Huron Metropark.

SCHEMATIC DESIGN

With a basis for the project program, we'll be able to get started on this effort in Schematic Design, where all elements of the building are finalized and a more accurate cost estimate is developed.

During this phase, the following are defined:

- Update work plan/schedule
- Analyze/confirm site issues
- Develop space layouts

Develop dimensional/size aspects of the mechanical room:

- Define building materials
- Define building systems: Structural, Mechanical, Electrical, Other special systems
- Develop landscape concepts

Refine construction cost estimate

At the end of schematic design, the following elements should be established:

SITE ELEMENTS

- Layout of decks, walks and features
- Layout of planting areas, concession decks, shower control points and other site features
- Preliminary evaluation of site utilities and routing

AQUATIC ELEMENTS

- Water slides
- Preliminary safety evaluation review
- Code compliance review

BUILDING ELEMENTS

- Building plans
- Building sections
- Building elevations
- Preliminary mechanical, electrical and plumbing system reviews



DESIGN DEVELOPMENT

This is the phase when the A&E team develops many of the technical aspects of the mechanical building. The team decides on the type and size of the structural system, mechanical, electrical and plumbing systems, and building materials. This information allows Graef to create a detailed Cost Estimate. Modifications are made at this time, if necessary, to keep the project within the budget.

It is the purpose of design development to fix the full nature and scope of the project, including finishes, markings, equipment, features and systems. At the completion of design development, the facility's design decisions should be complete and will include the following:

SITE ELEMENTS

- Definition of decks, walks and features
- Site details and preliminary plan selections
- Site utility routing defined

AQUATIC ELEMENTS

- Water slides
- Preliminary safety evaluation review
- Code compliance review
- Preliminary power requirements
- Sewer and water requirements
- Filtration and sanitizing equipment selections with associated design drawings

BUILDING ELEMENTS

- Building plans, development and finalization
- Building sections
- Building elevations
- Building details
- Building finishes

The following engineering tasks will be initiated at the start of design development:

- Civil engineering of roads, walks and utilities
- Structural engineering of building
- Mechanical engineering of building systems
- Plumbing system design
- Electrical systems design

Preliminary estimates of probable project costs, including:

- Site development
- Building construction
- Built-in equipment

Preliminary estimates of "soft" costs including:

- Loose furnishings and equipment
- Professional fees
- Updated project schedule



WATER TECHNOLOGY INC.

CONSTRUCTION DOCUMENTS

Upon approval of the Design Development, the Construction Documents phase will begin. During this phase, all decisions on how to construct the facility are finalized and documented for bidding and construction.

The following materials will be prepared:

- Construction drawings
- Technical specifications
- Bid guidelines
- Final construction cost estimate

As the Detailed Design work proceeds, we will continue to review the plans and specifications with the HCMA on a regular basis. While major components of engineering systems and building materials have been identified during Design Development, it is important for HCMA to be kept aware of their detail applications. Regular reviews, in addition to periodic special design review meetings, will be held for your convenience and involvement.

QUALITY ASSURANCE

With the completion of the Design Development phase, and at the 50 percent and final completion stages of the Construction Documents, we will have formal quality assurance reviews of the work completed. This consists of a review team of professionals in each design discipline. This adds another layer of quality control for the checking of the plans and specifications.

Representatives of the City and special consultants participate in each quality review session to gain the benefit of their background and expertise through the exchange of ideas and comments.

BID AND AWARD

This phase is one of the most important elements in the total process. Even prior to the completion of plans and specifications, we will begin to seek out construction firms, both general contractors and subcontractors, to apprise them in some detail about the project. This will allow those contractors we choose to contact (because of their capabilities) an opportunity to plan ahead to include this project in their schedule for bidding. Services provided during this phase:

We will assist in Pre-qualification of General and Specialty Contractors.

We will assist with the preparation of the official advertisement for bids and continue making contacts in the construction industry, and particularly in the technical specialties fields that are so critical to this project and the competitive bidding process.

We will organize and conduct/participate in pre-bid conferences to answer questions about the project from the prospective bidders. We will have in attendance technical representatives from our design team to cover all aspects of the project design. We will also be available to answer individual questions/RFI Addenda about the project that may arise prior to bidding.

We will assist with the bid opening process. We will review the bids received, answer any questions HCMA may have of the bids received, and make our recommendations on the acceptance of the bids.



We will assist HCMA and their legal counsel in the preparation of construction contracts. We will review the signed documents and the required bonds and insurance certificates before making a recommendation to start construction.

CONSTRUCTION ADMINISTRATION

The Construction Administration will be organized according to the needs of the project. Our basic Construction Administration services will include professionals from each of the design team disciplines.

These representatives will:

- Review all contractors' submittals for material and equipment to be included in the project.
- The submittals will be reviewed for compliance with the Contract Documents. These professionals will conduct scheduled project site visits and will also be on call during the Construction phase.

When the project or a phase of the project has reached substantial completion, we will arrange a formal review of the project that will include HCMA, our representatives and the contractor. From this review, we will prepare a list of work to be completed or corrected, and make a recommendation on acceptance of the work and the amount of payment to the contractor.

Following notification by the contractor that all work has been completed, we will arrange a review of the project to include HCMA, our firm and the contractor. With this review, we will prepare a list of work to be completed or corrected. With this completion in hand, we will make a recommendation to HCMA on final payment to the contractor and/or the amount to be withheld with completion of any remaining items of work.

POST CONSTRUCTION

Our Team does not disappear after your facility is built. Post-construction services will include our availability to the HCMA to answer questions or to assist with problems should they arise. We will also assist the Client in monitoring the one-year construction warranty, and arrange a project review prior to the end of the one-year warranty period.

The commitment of our firms is absolute and is based on successful long-term relationships formed through dedicated service, value creation and loyalty. We strive to surpass expectations in expertise, availability and accountability.

EXPERIENCE WITH SIMILAR PROJECTS

In the following pages you'll see a variety of projects where WTI has provided oversight with waterslide and waterslide complex additions. With our breadth and depth of experience we're adept at providing critical project oversight regardless of how big or small the project is. There are a few specific projects that we would like to call your attention to as they are focused on Waterslide Additions:

- Roseville Aquatic Complex**
- Tropicanoe Cove

***Indicates a Splashtacular Slide*

There are a variety of projects that we have included that showcase our experience with new or renovated aquatic facilities, the following projects feature our experience with Splashtacular Waterslide Complexes:



- Heuther Family Aquatic Center
- Garden Rapids at “The Big Pool”
- Clarksville Cove
- Thompson Park Pool
- Wisconsin Rapids Regional Aquatic Center
- Adventure Cove at Rose Park
- De Pere Aquatic Center at VFW Park

Our team has decades of experience working together on aquatic projects of all shapes and size, and we have a strong relationship with Splashtacular so that we can provide the best results for HCMA with this important waterslide addition project. We have included a contact list of references that are all prepared to talk about their experience working with WTI on these recent aquatic projects.



C. MANAGEMENT SUMMARY, WORK PLAN, AND SCHEDULE

SCHEMATIC DESIGN

WTI will consult with the Client to confirm project goals and requirements and develop the spatial relationships of the components of the project. For the Schematic Design (SD) phase, WTI will perform the following tasks:

- Confirm site plan and review background info and records drawings
- Confirm schedule, owner requirements and goals
- Develop preliminary mechanical selections
 - Determine filtration, heating, and water treatment methodologies
- Develop Schematic Drawings
 - Architectural
 - Site Plan
 - Mechanical Building Plan
 - Aquatic – Slide Plan
 - Mechanical – Preliminary Equipment Plan
- Conduct inter-disciplinary coordination for utilities and preliminary requirements
- Develop Rough Order of Magnitude (ROM) Construction Cost Opinion
- Meet with owner to review deliverables and design progress

DESIGN DEVELOPMENT

Based on the Client approved SD Deliverables, WTI will develop designs of the slide areas and systems. For the Design Development (DD) phase, WTI will perform the following tasks:

- Develop Architectural Drawings
 - Mechanical Room Plans and Sections
 - Mechanical Room Door and Exterior Finish Schedules
- Develop Aquatic Drawings
 - Slide Plans, Sections, and Details
 - Preliminary Slide Piping Plans, and Piping Details
 - Slide Mechanical Plans, Schedules, and Details
- Develop Structural Drawings
 - Mechanical Room Foundation Plan and Details
 - Slide Complex Foundation Plan and Details
- Develop Civil Drawings
 - Decks/Walks Plan and Details
 - Site Grading and Drainage Plan
- Develop Mechanical Drawings
 - Mechanical Room HVCA Plan and Details
- Develop Electrical Drawings
 - Mechanical Room Electrical Schematic Plan and Details
 - Preliminary Grounding and Bonding Plan
 - Mechanical Room Lighting Schematic
- Develop Plumbing Drawings
 - Mechanical Room Potable Water Supply Plan
 - Mechanical Room Drainage Plan and Details
- Develop Draft Specifications
- Conduct inter-disciplinary review and coordination
- Verify Design for Code Compliance
- Develop Preliminary Construction Cost Opinion
- Meet with owner to review deliverables and design progress

CONSTRUCTION DOCUMENTS

Based on the Client approved DD Deliverables, WTI will finalize the designs of the slide areas and systems. Final CD Deliverables will contain information suitable for contractors to provide construction pricing or bidding. Final CD Drawings will contain the Professional Seal of an Architect or Engineer licensed in the State of Michigan and will be suitable for review by permitting agencies with jurisdiction over the project. For the Construction Document (CD) phase, WTI will perform the following tasks:

- Finalize Architectural Drawings
 - Mechanical Room Plans and Sections
 - Mechanical Room Door and Penetrations Schedules and Details
 - Mechanical Room Finishes Schedules and Details
 - Site Signage Plan and Details
- Finalize Aquatic Drawings
 - Slide Plans, Sections, and Details
 - Slide Mechanical Plans, Schedules, and Details
 - Slide Piping Plans and Piping Details
 - Slide Mechanical Schematics
- Finalize Structural Drawings
 - Mechanical Room Foundation Plan, Sections and Details
 - Slide Complex Foundation and Footings Plans, Sections and Details
- Finalize Civil Drawings
 - Decks/Walks Plan and Details
 - Site Fencing and Barriers Plan and Details
 - Site Grading and Drainage Plan and Sections
- Finalize Mechanical Drawings
 - Mechanical Room HVCA Plan, Sections and Details
- Finalize Electrical Drawings
 - Mechanical Room Electrical Plan, Schedules, and Details
 - Mechanical Room and Slide Structure Grounding and Bonding Plan, Schedules, and Details
 - Mechanical Room Lighting Plan, Schedules, and Details
- Finalize Plumbing Drawings
 - Mechanical Room Potable Water Supply Plan and Details
 - Mechanical Room Floor Drainage Plan and Details
 - Mechanical Room Discharge to Waste Piping Plan and Details
- Finalize Specifications
- Finalize inter-disciplinary review and coordination
- Meet with owner to review deliverables and design progress
- Perform Internal Quality Assurance Procedure
- Address Questions and Comments from Permitting Agencies
- Prepare and submit permit review applications for local jurisdiction.

BIDDING AND NEGOTIATION

WTI will prepare bid document and assist with the negotiation of the Contract Documents. For the Bidding and Negotiation (BN) phase, WTI will perform the following tasks:

- Prepare Bid Documents and Drawings for Owner Review
- Respond to Request For Information (RFI)
- Provide information and clarifications, including supplemental drawing if needed, for Owner's Addenda



- Assist in the interview of the Contractors, if requested by Client
- Review bids and bidder qualifications to assist with and recommend award of the Contract

CONSTRUCTION ADMINISTRATION

WTI will assist the Client during construction of the project. WTI will periodically visit the project site and will endeavor to observe the construction for conformance to the CD Deliverables. For the Construction Administration (CA) phase, WTI will perform the following tasks:

- Participate in Revit model exchanges and BIM coordination phone calls as requested
- Review requested Submittals including Shop Drawings and other information
- Review Contractor Change Order requests, if needed
- Respond to Request For Information (RFI)
- Correspond with Permitting Agencies regarding questions
- Review Contractor prepared Operation and Maintenance Manuals (O&M Manuals)
- Conduct Site Observations
- Provide Field Reports on Site Observations
- Review Punch List prepared by Contractors
- Confirm Completion of Punch List and Substantial Completion
- Prepare Record Drawings based on post addenda information and as-built drawings provided by Contractor

DELIVERABLES

SCHEMATIC DESIGN

- SD Drawing Set
- Preliminary Construction Cost Opinion

DESIGN DEVELOPMENT

- DD Drawing Set
- Draft Specifications
- Updated Aquatic Construction Cost Opinion

CONSTRUCTION DOCUMENTS

- CD Progress and Coordination Drawing Sets
 - WTI shall provide 50% and 90% review sets in advance of final deliverable.
- Final CD Drawing Set
- Final Specifications

BIDDING AND NEGOTIATION

- RFI Response(s)
- Addenda Drawings and Documentation, as required.

CONSTRUCTION ADMINISTRATION

- Review Comments of Submittals
- Review Comments of Change Orders
- Review Comments of O&M Manuals
- Field Reports
- Review Comments of Punch Lists



QUALITY ASSURANCE

With the completion of the Design Development phase, and at the 50 percent and final completion stages of the Construction Documents, we will have formal quality assurance reviews of the work completed. This consists of a review team of professionals in each design discipline. This adds another layer of quality control for the checking of the plans and specifications to allow the design team and the owners to benefit from quality documents that are well coordinated with all the team members.

QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

The following is a summary of procedures followed under Water Technology, Inc.'s Quality Assurance/Quality Control Program:

- Water Technology, Inc. maintains a library of International and USA Health Department Regulations for the design and operation of swimming pools. Several members of the Water Technology, Inc. staff participate as members of review boards dealing with state-of-the-art issues on pool design, construction, and operation.
- Water Technology, Inc. maintains a check list of issues to be addressed in the design of both indoor and outdoor facilities.
- Water Technology, Inc. utilizes updated AutoCad software for the preparation of the construction document drawings.
- Water Technology, Inc. maintains an extensive library of details. These are used whenever possible. Standard details are modified as new products and construction techniques are introduced to the industry.
- Water Technology, Inc. continuously evaluates new products and will not specify a new product or vendor without an evaluation of product quality or application.
- Water Technology, Inc. utilizes a standard set of technical specifications for every project. Specifications are modified by the project manager as necessary to meet the specific requirements of a project.
- Water Technology, Inc. conducts project management reviews when the documents are 30%, 60% and 90% complete to assure that the project is on schedule and within budget.
- Water Technology, Inc. construction documents are checked by the project manager and then reviewed by a principal of the firm before release for bidding.
- Water Technology, Inc. follows a checklist in shop drawing reviews to ensure that substitution requests meet or exceed specifications.
- Water Technology, Inc. performs an annual survey of completed projects and offers an annual seminar for pool operators of our projects. Feedback on our design and products used in construction is given to our employees so that we may continuously improve the quality of our services.



SCHEDULE

Your schedule is one of the most important aspects to your project. Perhaps nothing is more critical than achieving your anticipated target dates; especially to your community and the eager users waiting to be the first down the new slide! With this in mind, we want to work quickly, but we also need to ensure we get it right. Your schedule, specifically your target grand opening of the new slide, is achievable. However, we propose and recommend a few adjustments to interim design progress dates and construction timeline.

WTI has a deep understanding of the process and timing needed to develop a high-quality aquatic document package. Providing a bit more time during design while still accounting for a fall construction start will reap benefits with thorough planning. WTI proposes the following schedule, which achieves the Owner target date for the Grand Opening of the new slide complex per the RFP:

Project Initiation / Notice to Proceed	April 4, 2022
Schematic Design Complete	April 22, 2022
Owner Review and Approval	April 27, 2022
Design Development Complete	May 25, 2022
Owner Review and Approval	June 1, 2022
Construction Documents 90% Progress	July 8, 2022
Owner Review and Approval	July 15, 2022
Construction Documents Complete	July 29, 2022
Bid Advertisement	August 12, 2022
Bid Opening/Results	September 7, 2022
Contractor Selection and Award	September 21, 2022
Substantial Completion of Construction	May 5, 2023
Slide Grand Opening	May 20, 2023





D. PERSONNEL

RYAN NACHREINER

Project Director



Ryan joined Water Technology, Inc. in January of 2011 after serving in a variety of aquatic industry roles, including pool service technician, equipment and materials distribution representative, and operations consultant with a waterpark equipment and chemical supplier. Ryan has conducted numerous seminars on issues of waterpark operation, safety, design, chemical balance and automation, program development and risk management. Extensive hands-on experience troubleshooting countless facilities enables him to provide a realistic and broad perspective on aquatic operations, systems and programming. He is committed to the advancement of the aquatic industry through education and the development of best practices. As a NSPF® Instructor for over seven years, Ryan has trained and certified hundreds of aquatic professionals. He continues to conduct educational seminars for numerous industry organizations and is dedicated to enhancing the aquatic experience through improved water quality and innovative design.

EDUCATION

Masters of Science,
Economics and Education
University of Wisconsin - Whitewater
Whitewater, WI

Bachelor of Business Administration,
Finance
University of Wisconsin - Whitewater
Whitewater, WI

REGISTRATIONS

NSPF Certified Pool / Spa Operator
(CPO)

PROFESSIONAL AFFILIATIONS

Themed Entertainment Association
(TEA)
National Recreation and Park
Association (NRPA)

FEATURED PROJECTS

Henderson Pool Renovation – Lethbridge, AB, CAN
Seton Community Recreation Centre – Calgary, AB, CAN
Aldergrove Credit Union Community Center – Langley, BC, CAN
Moose Jaw Aquatic Study – Moose Jaw, SK, CAN
Soaked! Waterpark at the Atlas Hotel – Regina, SK, CAN
Skagway Recreation Center – Skagway AK
Delano Regional Aquatic Center & Park – Delano, CA
Roseville Aquatic Center – Roseville, CA
St. Regis Hotel Pool Renovation – San Francisco, CA
Moorhead Recreation Center – Aurora, CO
Eaton Area Community Center – Eaton, CO
Lakewood Link Aquatic Study – Lakewood, CO
BCRD - Aquatic Restoration/Amenity Addition – Hailey, ID
Clarksville Family Aquatic Center Renovation – Clarksville, IN
Lenexa Civic Center – Lenexa, KS
Excelsior Springs Community Center – Excelsior Springs, MO
Sedalia Community Center Program – Sedalia, MO
Lions Water Adventure at Woodmen Community Center – Kinston, NC
Omaha JCC Aquatic Expansion – Omaha, NE
Senior Center, Larkspur Expansion – Bend, OR
Black Butte Ranch – Black Butte, OR
South Lane School District – Cottage Grove, OR
Hillsboro 53rd Ave Community Center – Hillsboro, OR
Peninsula Pool Renovation – Portland, OR
Southlake Community Center – Southlake, TX
Community Center – Airway Heights, WA
PRO Sports Club Aquatic Expansion – Bellevue, WA
Kent YMCA – Kent, WA
Redmond Recreation Master Plan – Redmond, WA
Pasco Aquatic Center – Pasco, WA
5th and Virginia Urban Residential – Seattle, WA
Walla Walla Outdoor Family Center – Walla Walla, WA
Yakima Family YMCA – Yakima, WA



MATT FREEBY, AIA, LEED AP, NCARB

Engineer of Record



Matthew Freeby has a breadth of experience in the design and construction of numerous building types and structures; with overall responsibility for large project development, he has handled projects ranging from \$1 million to \$100 million. His project experience ranges from conceptual planning to construction management.

Matt is relied upon to define project scope, goals and deliverables that support WTI's business goals in collaboration with senior management. He helps to determine and assess need for additional staff and/or consultants and make the appropriate recruitments if necessary during project cycle. A registered Architect in 22 states and a NSPF Certified Pool/Spa Operator, Mr. Freeby is a LEED Accredited Professional with an advanced depth of knowledge in green building practices and sustainable aquatic design and operations. Matt's attention to detail and persistent pursuit of excellence provides the industry benchmark in aquatic design.

EDUCATION

Master's Degree, Architecture
Washington University
St. Louis, Missouri

Master's Degree, Civil Engineering,
Construction Management
Washington University
St. Louis, Missouri

Bachelor of Arts, Architecture
Washington University
St. Louis, Missouri

REGISTRATIONS

AIA Architect: AL, AR, CA, DE, FL, HI,
IN, LA, MI, MN, MO, NE, NJ, NM, NV,
NY, OK, RI, TN, UT, WA, WI

LEED Accredited Professional

NSPF Certified Pool / Spa Operator
(CPO)

PROFESSIONAL AFFILIATIONS

American Institute of Architects (AIA)
National Council of Architectural
Registration Boards (NCARB)
Themed Entertainment Association
(TEA)

FEATURED PROJECTS

Alexander Sportplex Swimming Pool - Alexander City, AL
South Boulder Recreation Center Indoor Pool - Boulder, CO
Westport YMCA - Westport, CT
Argo Community High School - Argo, IL
Ping Tom Park Recreation Center - Chicago, IL
Palos Hills Moraine Valley Community College Pool Design - Palos Hills, IL
Ray & Joan Kroc Cops Community Center of Quincy - Quincy, IL
Niles North High School - Skokie, IL
Mattoon YMCA - Mattoon, IN
Sharon Hills Continuing Care Community - Sharon, MA
Charlevoix Area Community Pool - Charlevoix, MI
Boll Family YMCA - Detroit, MI
Alexandria Area YMCA - Alexandria, MN
Helena Pool Study - Helena, MT
Langtree Aquatic Center - Mooresville, NC
West Morris YMCA - West Morris, NJ
Athens Community Pool - Athens, OH
Liberty Township Powell YMCA - Powell, OH
Northam Park - Upper Arlington, OH
Kenwood Country Club - Cincinnati, OH
Swimming Pool Renovations - Athens, OH
Mandel Jewish Community Center - Beachwood, OH
North Canton YMCA - North Canton, OH
Broadview Heights Recreation Center - Broadview Heights, OH
Grandview Heights Pool - Grandview Heights, OH
New South High School / YMCA - Willoughby, OH
Sunriver Homeowners Association Aquatic Center - Sunriver, OR
Clover Aquatic Center - York County, SC
Erb Park and Swimming Pool - Appleton, WI
Baldwin Medical Center - Baldwin, WI
Elm Grove Western Racquet Club Design - Elm Grove, WI
Village Pointe Commons - Grafton, WI
Green Bay Colburn Pool - Green Bay, WI
Goeres Park Pool - Lodi, WI
Madison Madison Metropolitan School District - Madison, WI
Manitowoc Family Aquatic Center - Manitowoc, WI
Bay Area Medical Center - Marinette, WI

SCOTT LEMONDS, ASSOCIATE AIA, MRPS

Architect



When Scott LeMonds joined Water Technology, Inc. in 1999, he brought with him over twenty years of experience in design and construction. As Project Manager, Scott has directed many successful projects from initial programming and conceptual design phases through construction administration. During the project, Scott works closely with architects, engineers, and project owner to answer questions and review electrical, plumbing and mechanical drawings. By staying in close contact with each key player during the process, Scott is able to minimize change orders that might otherwise occur. His leadership, creative problem solving, total project coordination, and mechanical skills make him a great asset to every project.

Scott has significant experience working with municipalities, and he is familiar with the various codes and regulations. In addition, WTI has been asked for input regarding new codes and regulations. This experience allows for smoother permitting and results in projects being completed on time.

EDUCATION

Bachelor of Science
Architecture and Urban Planning,
University of Wisconsin Milwaukee

Associate of Science,
University of Wisconsin, Waukesha

REGISTRATIONS

Master Plumber (RS) Since 1993,
Wisconsin

NSPF Certified Pool-Spa Operator
(CPO)

PROFESSIONAL AFFILIATIONS

American Institute of Architects,
Associate Member (Assoc. AIA)

FEATURED PROJECTS

Garden Rapids at "The Big Pool" - Garden City, KS
Huether Family Aquatic Center - Yankton, SD
McDowell Mountain Ranch Park and Aquatic Center - Scottsdale, AZ
Cottonwood Community Recreation Center - Cottonwood, AZ
Woodrow Wilson Aquatic Center - Washington, DC
H.D. Woodson Senior High School - Washington, DC
Lincoln Splash Park - Palmetto, Florida - Bradenton, FL
Osceola Family Aquatic Center - Osceola, IA
Heritage Park Family Aquatic Center - Wheeling, IL
Harkins Aquatic Center - Rockford, IL
Robert W. Vaughan Athletic Center - Aurora, IL
Bensenville Waterpark - Bensenville, IL
Cook County Forest Preserve Green Lake Aquatic Center - River Forest, IL
Skokie Water Playground - Skokie, IL
Devonshire Park Family Aquatic Center - Skokie, IL
Centennial Pool - Park Ridge, IL
Apple Canyon Lake - Apple River, IL
Des Plaines Park District Chippewa Pool - Des Plaines, IL
Deep River Waterpark - Crown Point, IN
Turtle Cove Family Aquatic Center Lower Huron Metro Park - Brighton, MI
Willow Run - New Boston, MI
Rolling Hills Water Park - Ypsilanti, MI
Ypsilanti MI Rutherford Pool Replacement - Ypsilanti, MI
Turtle Cove - Belleville, MI
Mahoney State Park - Ashland, NE
University of New Hampshire Hamel Recreation Center Pool - Durham, NH
Forest Grove Aquatic Center - Portland, OR
Pohick Bay Pool Renovation - Lorton, VA
Bull Run - Centerville, VA
Long Bridge Aquatics Center - Arlington, VA
Upton Hill Regional Park Pool - Arlington, VA
Pirate's Cove Waterpark at Pohick Bay Regional Park - Lorton, VA
Alexandria VA Cameron Run Great Waves New Attraction - Alexandria, VA
Lake Fairfax Water Mine Family Swimmin' Hole Expansion - Reston, VA
Fond du Lac County Park Pool - Fond du Lac, WI



ADAM PFISTER

Project Designer



Working within the parameters given, Adam orchestrates a symphony of aquatic elements and features throughout the facility. His designs transform flat, monotonous areas into stimulating aquatic destinations using elevation and unique, custom created structures. Adam's experience in Landscape Architecture includes environmental, urban, commercial and residential design; he also has experience in image editing.

Adam's investigative approach prior to designing each facility includes working with project management and the client to understand the demographics of the area in conjunction with their needs, wants and state codes. Once all the information is gathered, Adam uses his design skills to transform planning and programming notes into a conceptual graphic design, carefully taking into account budget constraints and objectives. Adam's dedication and passion for designing is evident throughout the design process; he works carefully with project managers and manufacturers to make sure the client's vision is seen through to completion. Adam's portfolio includes a variety of aquatic facilities including Olympic level competition, therapy and wellness, hotel, and municipal leisure.

FEATURED PROJECTS

Clareview Community Recreation Centre and Library - Edmonton, AB Canada
East Link Centre - Grand Prairie, AB Canada
Lethbridge AB Crossings Leisure Complex - Lethbridge, AB Canada
Shaw Centre - Saskatoon, SK Canada
Edmonds Aquatic and Community Centre - Burnaby, BC Canada
The Colony at the Grand - Fairhope, AL
Cottonwood Community Recreation Center - Cottonwood, AZ
GWL Southern California - Garden Grove, CA
GWL Colorado Springs - Colorado Springs, CO
City of Greeley Citywide Masterplan of Outdoor Aquatic Centers - Greeley, CO
Lone Tree Recreation Center - Littleton, CO
Dubuque Country Club - Dubuque, IA
Marion IA Linn-Mar Community School District - Marion, IA
Forest City Family Aquatic Center - Forest City, IA
Niles North High School - Skokie, IL
Apple Canyon Lake Property Pool and Bathhouse - Apple River, IL
Des Plaines Park District Chippewa Pool - Des Plaines, IL
Willow Stream Aquatic Center Renovation - Buffalo Grove, IL
Green Lake Family Aquatic Center - River Forest, IL
Prophetstown State Park Family Aquatic Center - Battleground, IN
Salt City Splash Aquatic Center Study - Hutchinson, KS
Turtle Cove Family Aquatic Center Lower Huron Metro Park - Brighton, MI
Lions Water Adventure at the Woodmen Community Center - Kinston, NC
Williston Community Recreation Center - Williston, ND
Las Cruces Regional Recreation & Aquatic Center - Las Cruces, NM
Kalahari Poconos Phase II - Poconos, PA
Aberdeen Family Aquatic Center - Aberdeen, SD
Madison Outdoor Aquatic Center - Madison, SD
Russ McEwen Aquatic Center - Big Spring, TX
NRH2O Waterpark - North Richland Hills, TX
Creekside Family Aquatic Center - The Woodlands, TX
Upton Hill Regional Park Pool - Arlington, VA
Lynnwood Recreation Center - Lynnwood, WA
Kandle Park Pool - Tacoma, WA
Buchner Park Pool Conceptual Design - Waukesha, WI
Reindahl Splash Pad - Madison, WI
Hoyt Park Pool - Wauwatosa, WI

EDUCATION

Bachelor of Landscape Architecture,
Iowa State University
Ames, IA

REGISTRATIONS

NSPF Certified Pool / Spa Operator
(CPO)
Revit Certified Professional

PROFESSIONAL AFFILIATIONS

American Society of Landscape
Architects (ASLA)
Themed Entertainment Association
(TEA)





Jeff has an outstanding record in the design of new buildings, building additions, and evaluation and repair of existing buildings. His experience encompasses a wide range of building designs including numerous educational facilities, retail facilities, recreational facilities, office buildings, and water park/pool facilities. Jeff has worked on dozens of indoor and outdoor pools, waterparks, and related park facility projects in Wisconsin and across the country.

Registration

Professional Engineer – WI

Certifications

LEED Accredited Professional

Education

M.S., Structural Engineering, 1997,
Marquette University, Milwaukee,
WI

B.S., Civil Engineering, 1995,
Marquette University, Milwaukee,
WI

VFW Park Aquatic Facility and Legion Park Aquatic Facility Conceptual Design, City of De Pere, WI – Structural Engineer: Provided master planning services, conceptual design, public involvement, full detailed design/bidding, and construction administration on this \$6.5 million new aquatic facility. Opened June 2021.

Kaukauna Municipal Pool Assessment - Kaukauna, WI – Architectural Designer: redevelopment masterplan of the site area around the pool (including the sand play, volley ball court, shade structures, deck areas, and side slope) and the concession/bathhouse for budgeting purposes.

David Schulz Aquatic Center at Lincoln Park, Milwaukee, WI – Project Manager: Provided overall project management, master planning, site/civil engineering, structural engineering and landscape architecture for this \$8.6 million dollar aquatic center. Provided multiple site and size preliminary design options, final design services, construction drawings, construction specifications, and construction administration services.

Structural Pool Assessment, Colburn Park, Green Bay, WI – Project Manager: Structural assessment of the existing swimming pool to determine existing condition. The pool shell was sounded to map potential voids and deficiencies. The assessment was performed to determine the potential life of the pool.

Fairfax Pool, Eau Claire, WI – Project Manager: The renovation of an existing aquatic facility. The existing bathhouse and mechanical building was renovated and reconstructed. The existing surge tank was modified and a new mechanical building was designed to house the new mechanical equipment.

Manitowoc Family Aquatic Center, Manitowoc, WI – Project Manager: Design of a new outdoor aquatic facility to replace the existing facility that consisted of a leisure pool with activity area, current channel, and lap/dive area. A new bathhouse/mechanical building was constructed to replace the existing facility.

Renovation of Existing Bathhouse and Outdoor Pool Facility, Wheeling, IL – Project Manager: Managed structural and MEP designs. Structural design of bathhouse renovations and pools.

Renovation of Existing Bathhouse and Outdoor Pool Facility, Bensenville, IL – Project Manager: Managed structural and MEP designs. Structural design of bathhouse renovations and pools.

Lazy River, Plunge Pool and Adventure Area, Bolingbrook, IL – Project Manager: Large outdoor lazy river with plunge pool area and adventure channel. Included a standalone diving well.

Jeff has worked on dozens of other indoor and outdoor pools, waterparks, and related park facility projects.

Additional and similar aquatic facility experience:

- David F. Schulz Family Aquatic Center at Lincoln Park, Milwaukee, WI
- Fairfax Pool, Eau Claire, WI
- Manitowoc Family Aquatic Center, Manitowoc, WI
- Renovation of Existing Bathhouse and Outdoor Pool Facility, Wheeling, IL
- Renovation of Existing Bathhouse and Outdoor Pool Facility, Bensenville, IL
- Lazy River, Plunge Pool and Adventure Area, Bolingbrook, IL
- Chula Vista Resort Wave Pool, Wisconsin Dells, WI
- Indoor Competition Pool with Dive Area, East Lansing, MI
- Indoor Competition Pool with Dive Area, Valders, WI
- Indoor Therapy Pool and Leisure Pool, Tucson, AZ
- Indoor Lap Pool with Dive Area and Activity Pool, Oconomowoc, WI
- Indoor Therapy Pool, Bayley Place, Cincinnati, OH
- Indoor Activity Pool, Powel Crosley Jr. YMCA, Cincinnati, OH
- Indoor Activity Pool, Clippard YMCA, Cincinnati, OH
- Indoor Leisure Pool Supported on Drilled Piers, Broomfield, CO
- Indoor Activity Pool, Family Pool, and Whirlpool, Macomb, MI
- Indoor Competition Pool with Dive Area and Leisure Pool, Ashland Recreation Center, Denver, CO
- Indoor Lap Pool with Dive Area and Access Ramp, Chilton, WI
- Indoor Competition Pool with Dive Area and Warm-up Pool, Frisco, TX
- Indoor Competition Pool with Diving Area and Attached Surge Tank, Corunna, MI
- Indoor Lap Pool with Deep Well, Small Activity Pool, and Whirlpool, Iola, WI
- Indoor Lap Pool with Lap Area, Plunge Pool and Diving Well, Sheboygan Falls, WI
- Indoor River, Plung Pool, Activity Pool and Whirlpool, Brainard, MN
- Activity Pool and Whirlpool, Pleasant Prairie, WI
- Lap Pool and Diving Well, Mequon, WI



Professional Registration
Professional Engineer – WI

Education

B.S., Civil Engineering
2004, University of Wisconsin
Milwaukee, WI

M.S. Structural Engineering
2014, University of Idaho
Engineering Outreach

Shelly is a member of the Structural Group at GRAEF. She has had a wide variety of experience designing and analyzing different types of structures comprised of different materials and structural systems. Shelly's experience includes new structures, renovations and additions to existing structures, and evaluation and repair of structures. Shelly's project experience includes educational facilities, churches, retail facilities, recreational facilities, office buildings, dealerships, crane buildings and waterpark and pool facilities.

VFW Park Aquatic Facility and Legion Park Aquatic Facility Conceptual Design, City of De Pere, WI – Structural Engineer: Provided master planning services, conceptual design, public involvement, full detailed design/bidding, and construction administration on this \$6.5 million new aquatic facility. Opened June 2021.

Chula Vista Resort, Wisconsin Dells, WI – Indoor waterpark expansion consisting of a lazy river, tot pool, activity pool with water walk, plunge pool, whirlpool, two pedestrian bridges, and various retaining walls.

Hard Rock Theme Park, Myrtle Beach, SC – Slab design for an outdoor play structure, foundation designs for four interactive activities, and three water collection pools.

Firehouse Falls, Bridgeview, IL – Indoor/outdoor waterpark consisting of an indoor lazy river with plunge pools, activity pool with waterwalk, play structure pool, various surge tank/pump pits, and an outdoor pool with spray pad.

Great Wolf Lodge Ripley's, Niagara Falls, Ontario, Canada – Outdoor pool, indoor wave pool, children's pool, activity pools, massage pools, river.

Sea World Aquatica Water Park, Orlando, FL – Outdoor aquatic facility with two lazy rivers, double wave pools, three plunge pools, a children's pool, eight surge tanks, several pump pits and a mechanical building.

Holiday Inn Omaha Central, Omaha, NE – Indoor waterpark addition consisting of a lazy river, children's pool, activity pool with water walk, plunge pool, indoor/outdoor whirlpool, three pedestrian bridges, spray pad, and various retaining walls.

JW Marriott, San Antonio, TX – Outdoor waterpark consisting of multiple pools and surge tanks (approx. 21 features) with various grade separations.

Central Illinois YMCA, Peru, IL – Indoor leisure pool, therapy pool, and competition pool.

McDowell Mountain Ranch Aquatic Center, Scottsdale, AZ – Outdoor leisure pool, competition pool, dive tower, lazy river and turbine tank.

Camp Geneva Retreat Center, Ottawa County, MI – Outdoor leisure pool with current channel, lap pool and activity area.



Registrations

Professional Engineer – WI, IL, IN,
IA, MI, MN, ID

Certifications

Construction Specifications
Institute – Construction Document
Technologist
LEED® Accredited Professional

Education

B.S., Civil Engineering, 1992
University of Wisconsin-Platteville,
Platteville, WI

Over the past 28 years in the engineering industry, Pat has developed extensive knowledge along with technical and managerial skills in public infrastructure and site engineering. He has been involved in projects from idea to grand openings. This depth of knowledge and experience helps clients evaluate project scope and budget early on in the process. He is skilled in public presentation and delivery needed to build consensus among stakeholders. During design, he uses his abilities in hydraulic modeling, hydrologic studies, municipal utility design, storm water management and system design, roadway design, complete site development, parking lot design and associated construction engineering to realize the vision of the clients into a successful project.

VFW Park Aquatic Facility and Legion Park Aquatic Facility Conceptual Design, City of De Pere, WI – Project Manager: Provided master planning services, conceptual design, public involvement, full detailed design/bidding, and construction administration on this \$6.5 million new aquatic facility. Opened June 2021.

Erb Park and Swimming Pool, City of Appleton, WI – Project Manager: Provided master planning services in the evaluation of an aging swimming pool facility in order to proactively recommend potential renovations and improvements. Efforts included the review of design drawings, field inspections of the park and its amenities, structural and architectural inspection of its buildings, and review of mechanical and plumbing systems. Public participation efforts helped identify park activities to accommodate in finalizing the concepts for the master plan.

Nelson Family Heritage Crossing Boardwalk Bridge - Little Chute/Kaukauna, WI - Project Manager: Provided site site feasibility study public involvement, conceptual design, detailed design, and construction administration for new multi-modal boardwalk bridge crossing of the Fox River. This new 1100 ft bridge is part of the Loop the Locks system and opened in June 2021.

Loop the Lake Boardwalk Bridges, Neenah and Menasha, WI – Project Manager: GRAEF completed a feasibility study and investigation; and then full detailed design, bidding, and construction management of two (2) separate boardwalk bridges. The Neenah bridge is 768 feet long with twelve 64-ft spans. The City of Menasha bridge is 715 feet long with ten 63-ft spans and one 84-ft span. Both bridges were steel girder structures supported on steel pipe pile bents and concrete piers. Timber under-decking supported a 14-ft clear width composite deck boardwalk with aluminum and cable railings. Mid-span of both bridges includes an observation bumpout with covered canopy allowing pedestrians and bikers to enjoy view while not impeding the through traffic. Approach work needed to avoid and work around large utilities, cross active railroad lines, and connect to existing trail facilities.



Professional Registration

Professional Engineer – AL, AZ, CA, FL, IA, IL, IN, KY, MI, MN, MO, MS, NH, NJ, OH, OK, OR, PA, TN, TX, VA, WI

Professional Certifications

LEED® AP BD+C Certified
Certified Commissioning Authority,
AABC

Education

B.S., Architectural Engineering –
Building Environmental Systems
Design, 2002, Milwaukee School of
Engineering, Milwaukee, WI

Professional Affiliations

American Society of Heating,
Refrigeration, and Air Conditioning
Engineers (ASHRAE)

Consulting- Specifying and Pure
Power Magazines (CFE Media
LLC) Editorial Advisory Board

Jason has experience in HVAC and plumbing design for commercial, entertainment, industrial and educational facilities. He focuses on energy use in buildings related to mechanical, electrical and plumbing systems along with associated utility. He has completed heating, ventilating, and air conditioning designs for retail stores, elementary/middle/high schools, universities, office buildings and warehouses. He has also completed ventilation design, utility design and energy analysis for industrial facilities. In addition, his work experience includes aquatic facilities, residential complexes, hotels and entertainment facilities.

Kalahari Resort, Fredericksburg, VA – Mechanical Engineer: Managed mechanical design for new waterpark, hotel and conference center complex. Project responsibilities included coordination of mechanical design for new eleven-story hotel and condominium towers, along with new conference center and 100,000-square-foot family entertainment center. This project also included renovation of an existing conference center building which was integrated into the new building complex.

Waterbury, CT & Fitchburg, MA Waterparks – Mechanical Engineer: Mechanical design for new waterpark attached to existing hotel facility. Project responsibilities included coordination of mechanical, electrical and plumbing design. Design work included heating and ventilation design for waterpark space along with air conditioning design for party rooms and other staff support spaces.

Kalahari Resorts Waterpark, Round Rock, TX – Mechanical Engineer: Mechanical design for new 200,000 SF indoor/outdoor waterpark attached to new hotel facility. Project responsibilities included coordination of mechanical HVAC design with precast wall system, computational fluid dynamics modeling and aquatic structures throughout facility. HVAC systems included (15) 40,000 CFM heat recovery and cooling units as well as an 1,8000 TR cooling/dehumidification load.

Great Wolf Lodge Waterparks, Major Project Locations including Arizona, California, Colorado, Georgia, Illinois – Mechanical Engineer: Mechanical design for new 80,000 SF indoor/outdoor waterparks attached to new or remodeled hotel facilities. Project responsibilities included coordination of mechanical HVAC design with precast wall systems, theming and aquatic structures throughout facility. HVAC systems included (4) 40,000 CFM heat recovery and cooling units as well as a cooling and dehumidification loads in select facilities.

St. Augustine Prep School, Milwaukee, WI – Senior Mechanical Engineer: New \$85 million, 160,000-square-foot private K-12 school on an 11-acre campus on Milwaukee's South Side. The complex is expected to enroll 2,500 students, offering regulation-size indoor and outdoor soccer fields, swimming pools, a large theater, STEM labs, flexible classroom spaces, a health clinic and program spaces for community use.



Professional Registration
Professional Engineer – WI

Professional Certifications
LEED® Accredited

Education
B.S., Architectural Studies, 1982
University of Wisconsin Milwaukee,
Milwaukee, WI

Professional Affiliations
Illuminating Engineering Society
International Association of
Electrical Inspectors
American Council of Engineering
Companies

With over 30 years of experience as an Electrical Consulting Engineer, Bob has a broad range of experience with clients, different building types, and varied electrical systems. He has significant experience as project manager of multi-disciplined projects and project engineering functions for design of electrical and lighting systems, including establishing project budgets, completing calculations, selecting equipment, preparing specifications and designing low and medium electrical distribution systems, stand-by emergency generation and fire alarm systems for commercial, institutional, laboratory and sports projects.

Great Wolf Lodge, Gurnee Illinois – Electrical Team Leader: Oversaw the electrical design for remodeling and additions to the outdoor waterpark. Addition included slides and slide platforms, additional hot tubs, and a new water play structure. Completed Spring of 2018

Kalahari Water Park, Texas – Lead Electrical Engineer: New water park associated with a new hotel/convention center. Waterpark consisted of 21 outdoors pools including wave pools, whirlpools, tube slides, racing slides, play structures, infant play pools, and splash pads. Scope of work included pool equipotential bonding, power distribution to pool equipment, coordination with Building Electrical Engineer and Building HVAC Engineer. Completed summer of 2019

Great Wolf Lodge, Arizona – Lead Electrical Engineer: New water park associated with a new hotel/resort center. Waterpark consisted of 8 outdoors pools including wave pool, whirlpools, tube slides, racing slides, play structures, infant play pools, and splash pads. Scope of work included pool equipotential bonding, power distribution to pool equipment, coordination with Building Electrical Engineer and Building HVAC Engineer. Completed spring of 2019

Great Wolf Lodge, Manteca, CA - Lead Electrical Engineer: New water park associated with a new hotel/resort center. Waterpark consisted of 8 outdoors pools including wave pool, whirlpools, tube slides, racing slides, play structures, infant play pools, and splash pads. Scope of work included pool equipotential bonding, power distribution to pool equipment, coordination with Building Electrical Engineer and Building HVAC Engineer. Anticipated completion spring of 2020

Nickelodeon Water Park, Mexico – Lead Electrical Engineer: Water park themed after the Nickelodeon children’s television network. Waterpark consists of 8 outdoors pools including wave pool, whirlpools, tube slides, racing slides, play structures, infant play pools, and splash pads. Scope of work included pool equipotential bonding and power distribution to pool equipment. Special controls were designed for the Nickelodeon “green slime” water dance, color changing water shows, and other themed events. Anticipated completion of construction is fall of 2020.



Education

B.S., Architecture, 1988, University
of Wisconsin-Milwaukee,
Milwaukee, WI

Jay possesses extensive experience in the architectural design of commercial, industrial, municipal buildings and related structures. He provides design, programming, space planning, construction documents and construction cost estimate services. Jay's specialized expertise includes architectural/engineering Building Information Management (BIM), 3D Modeling, photo realistic computer rendering and animations. Jay has developed numerous project displays to assist clients in visualizing various details associated with large and complex projects.

Colburn Park Pool - Green Bay, WI – Architectural Designer: Architectural design, and renderings for the Colburn Park pool replacement. Project included both pool, building, and associated site work. GRAEF engineers led The GRAEF/Water Tech team with overall project management, master planning, site/civil engineering, structural engineering, mechanical engineering, electrical engineering, plumbing engineering, and landscape architecture for this \$6.5 million dollar aquatic center. GRAEF staff provided multiple preliminary design options, final design services, construction drawings, construction specifications, and construction administration services.

Kaukauna Municipal Pool Assessment - Kaukauna, WI – Architectural Designer: redevelopment masterplan of the site area around the pool (including the sand play, volley ball court, shade structures, deck areas, and side slope) and the concession/bathhouse for budgeting purposes.

VFW Park Aquatic Facility and Legion Park Aquatic Facility Conceptual Design, City of De Pere, WI – Architectural Designer: Provided master planning services, conceptual design, public involvement, full detailed design/bidding, and construction administration on this \$6.5 million new aquatic facility. Opened June 2021.

Riveralk, City of De Pere Parks and Recreation - De Pere, WI – Architectural Designer: Design, 3D modeling, construction documents, shop drawings, inspections for wild life viewing pier, connecting trails, boardwalk, lift bridge, fixed bridge and trail entrance. This project received multiple awards.

City of De Pere Parks and Recreation - DePere, WI - Municipal Service Center – Architectural Designer: Expansion analysis - facility survey, client interviews, space programming, cost estimate, preliminary building design and site master plan for facility expansion analysis report.

Hydro Park Pavilion, Kaukauna Utilities, Kaukauna, WI – Architectural Designer: Architectural design, renderings, and construction documents for a 1,000-square-foot park pavilion.



E. BUDGET REVIEW

WTI - BUDGET REVIEW

Every project, big or small is limited by its budget.

It is important to begin a project with the budget in mind, especially in today's bidding market. Design does not start until the team has a financial spreadsheet program that aligns with the budget. We take seriously our responsibility of good stewardship of the project and process so that what we design meets the expectations of HCMA, and falls within the identified project budget of \$1.6 Million.

Because we work on hundreds of aquatic projects each year, we can quickly determine trends in bidding and have developed an exclusive database of aquatic trends and construction costs. The bidding climate is constantly changing. Pricing by contractors and manufacturers varies significantly from year to year. In the current trend, it is vital to have a project team that is focused on verifying all design decisions against the budget. As you are likely aware, the contracting and construction market has been extremely volatile. Price and availability of materials and equipment has been changing month to month. WTI maintains close contact with contractors, distributors and suppliers to anticipate these changes and maintain reliable and up to date planning.

WTI and Graef will provide periodic Rough Order of Magnitude budgets at the end of each phase. These numbers will take into account site conditions and variables such as soil conditions, sewer capacity, electrical power, topography and the proposed aquatic center's relationship to contiguous land uses and street systems. An allowance must also be included in all estimates throughout the process for loose equipment or what is often called furnishings, fixtures and equipment.

We're also going to work closely with the pool contractor and general contractor to ensure that all construction needs are being met and monitored with frequent oversight. This team has the experience necessary to communicate with HCMA effectively and frequently about the budget so that we can all enjoy the end result while staying within the budget.



F. REFERENCES

WTI - REFERENCES



Water Technology, Inc. (WTI) has designed and engineered literally thousands of aquatic facilities since we founded our company in 1983. Our portfolio includes both public and private sector clients. Because we don't focus our expertise on one particular market, other than aquatics, we offer a broad range of expertise in recreational planning that we can bring to each project. Municipalities throughout the country have benefited from our involvement in private sector projects in areas such as equipment selection, cost efficient designs and the relationships that we have made in the industry.

It is WTI's experience that can help a community achieve a design to meet the financial goals while finding a program that will appeal to the diversity of the communities. It is important to offer a comprehensive recreation program to their citizen's and communities through the logistical planning that is crucial to the success of the project. Water Technology, Inc. has the experience to ensure your project is successful. Our clients have some extremely successful projects - you can ask them yourself. See below for contact details for some of our happy clients:

REGIONAL

Aaron Stewart, Parks Superintendent
620.276.1200 x 728
aaron.stewart@gardencityks.us
City of Garden City, Kansas

Jaycob Kirkpatrick, Assistant Director
Parks, Recreation & Special Events
817.598.4248
jkirkpatrick@weatherfordtx.gov
City of Weatherford, Texas

Bill Haugen, Aquatic Supervisor
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References

GRAEF References

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TURTLE COVE FAC

Belleville, Michigan



OWNER

Huron-Clinton Metropolitan Authority
13000 High Ridge Drive
Brighton, MI 48114

COMPLETED

2008

WEBSITE

www.metroparks.com

With over 13 acres of aquatic fun, including a giant play structure with tipping bucket, water slides, and lazy river, Turtle Cove Family Aquatic Center is the ultimate “play station” for kids. The new family friendly waterpark replaces a 50-year-old swimming pool and is the largest interactive waterpark to open within the 13 Metroparks since 2001.

When talks began regarding a replacement for the outdated pool, Water Technology, Inc. became involved with the conceptual planning and assistance in targeting the facility’s ideal bather load. The vision for this modern swimming facility was to be family oriented with an exciting mix of water features among three pools. Equally important, Huron-Clinton Metropolitan Authority (HCMA) was determined to build an aquatic center in harmony with the park’s natural environment.

Water Technology, Inc. worked closely with Wilkie & Zanley Architects and HCMA throughout the planning and design scrutinizing every detail in order to accomplish the vision of the facility. Such thorough preparation and planning minimized unforeseen obstacles and aided in the completion of the project ahead of schedule and on budget.

AMENITIES

8,569 SF Leisure Pool:

Zero-Depth Entry

Geysers

Tube Slide

Body Slide

Interactive Play Structures

4-Lane Lap Pool

1,102 LF Lazy River:

Rain Drop

Wall Sprays

4,664 SF Spray Pad:

Play Structure with Tipping Bucket

Geysers



ZEHNDER'S SPLASH VILLAGE

Frankenmuth, Michigan



OWNER

Zehnders of Frankenmuth

COMPLETED

2005 - Splash Park Waterpark -
20,000 SF Waterpark

2014 - Atrium Park Waterpark -
29,000 SF Waterpark

WEBSITE

www.zehnders.com

The waterpark design/build firm of Neuman Group (NG), comprised of Water Technology, Inc. (WTI) and Neuman Pools, worked with their existing Zehnder's client for a second distinct Waterpark on Zehnder's Splash Village Hotel property.

Officially named "Atrium Park" this new waterpark has a retractable roof and consists of 29,000 square feet plus a 1,200 square foot outdoor pool. It is packed with excitement including two new six-story thrill water rides, the Tantrum Twist and Super Loop, a 20 bather whirlpool, a zero depth entry activity pool with geysers, water basketball and volleyball, and an action river. The 12' by 12' private poolside cabanas are designed to accommodate up to ten guests each with a mini refrigerator, a safe, house phone, towels, flat screen TV, and personalized food and beverage service. Guests can also choose to dine in the new 75 seat Mushroom Grille.

The original waterpark opened in 2015, now called "Splash Park," is connected by a short walk through Splash Village. This 20,000 waterpark area (also designed and built by NG), features a lazy river, a four-story tube slide, interactive play structure with 400 gallon dumping bucket, a whirlpool and the Elf Hollow Café.



WATER TECHNOLOGY INC.

SALVATION ARMY RAY AND JOAN KROC CORPS COMMUNITY CENTER

Grand Rapids, Michigan



Owner

The Salvation Army
2500 Division Avenue South
Grand Rapids, MI 49507

Completed

October 2010

AWARDS / FEATURES

2011 - Architectural Showcase - Athletic Business

WEBSITE

www.grkroccenter.org

Joan Kroc, the widow of McDonald's restaurant founder Ray Kroc, donated \$1.6 billion to The Salvation Army for the purpose of establishing centers that offer opportunity, education, recreation and inspiration throughout the United States to be known as "The Salvation Army Ray and Joan Kroc Corps Community Center."

The Definition:

A Ray and Joan Kroc Corps Community Center should consist of facilities and programs of superb quality that provide children, youth, families and individuals with character and confidence building educational recreational, arts and other activities; and it should be a beacon of hope and an agent of change in an underserved community.

After overcoming some site obstacles, the LEED certified community center is now a 20-acre education, recreation, cultural arts and worship facility. It is a place for families and the community to grow.

Water Technology, Inc. was the proud designer and engineer of the much anticipated aquatic center. The leisure pool, two lane lap pool, current channel and plunge pool will all be utilized by users for water exercise, therapy, swimming lessons and other recreation and sport programs.

Amenities

- 4,389 SF Leisure/Lap Pool
- Zero Depth Entry
- Geysers
- Interactive Play Structure
- Deck Sprays
- Hydrotherapy Bench
- 88 LF Current Channel
- Body Flume Slide
- 220 SF Family Whirlpool



WATER TECHNOLOGY INC.

GRAND HOTEL RESORT

Mackinac Island, MI



OWNER

The Grand Hotel
286 Grand Avenue
Mackinac Island, MI 49757

COMPLETED

2021

WEBSITE

www.grandhotel.com

The Grand Hotel in Mackinac Island is home to the beloved Esther Williams Swimming Pool. In 2021, the pool celebrated its historic, centennial birthday. Grand Hotel took this as an opportunity to give the 100-year-old pool a complete \$10 Million makeover to enhance the offerings for hotel guests.

Neuman Group, a design/build collaboration between WTI and Neuman Pools, Inc. worked with the Grand Hotel's ownership team to transform the pool to with more modern amenities for this resort destination. To keep some of its legendary appearance, the elongated hourglass shape remained when designing the pool's enhancements.

The new, 6,166 SF leisure pool is complete with a zero-depth entry area that features a water jet play area and a large water slide centered around family fun. The additional 918 SF pool, exclusively for adults, features a stunning infinity edge with spectacular views of the resort and island. The 220 SF whirlpool provides additional space for relaxation and rejuvenation for visitors.

Guests benefit from the deck and seating area expansion as there are several areas with new and expanded seating featuring new furniture for the deck, terrace, and lawn. There are fifteen reservable cabanas that are available for rent to add to the overall 'grand' experience.

"It is a breathtaking change." Doug Dean, Executive Vice President, Operations at the Grand Hotel told the Free Press. WTI and Neuman Group are thrilled to be a part of such an amazing transformation that will be enjoyed by many for the next century.

AMENITIES

6,166 SF Leisure Pool with Zero-Depth Entry
Water Jet Play Area
Waterslide

220 SF Family Whirlpool

918 SF Adult Whirlpool with Infinity Edge



TROPICANOE COVE SLIDE ADDITION

Lafayette, Indiana



OWNER

City of Lafayette
20 N. 6th Street
Lafayette, IN 47901

COMPLETED

2019

WEBSITE

www.lafayette.in.gov

In preparation for Tropicanoe Cove Waterpark's 20th Anniversary, the City of Lafayette decided to infuse their facility with new thrills by adding two new waterslide features. Water Technology, Inc. (WTI) provided aquatic planning, design, and engineering services for the \$2.7 Million project.

The first of the new slides is the Riptide Racer, a 44-foot-tall six-lane mat racer where guests race to the bottom at speeds of up to 27 mph. The Riptide Racer would be the tallest attraction in Tropicanoe Cove if it wasn't for the new 54-foot-tall Tiki Twist. The towering Tiki Twist is a drop box slide where guests stand inside an enclosed launch capsule. A trap door opens underfoot causing them to fall straight down, entering an inclined loop at nearly 35 mph. Both attractions end in a long runout to safely reduce the speed of guests while playfully splashing onlookers.

Tropicanoe Cove was unveiled to the public in the Summer of 2019 to solid local reviews. Mayor Tony Roswarski of Lafayette had this to say about Tropicanoe Cove's additions, "People want community amenities, they want parks and rec opportunities," said Roswarski. "This is overall our master plan to improve the city." Mayor Roswarski said he has plans on going down both slides with his grandchildren.

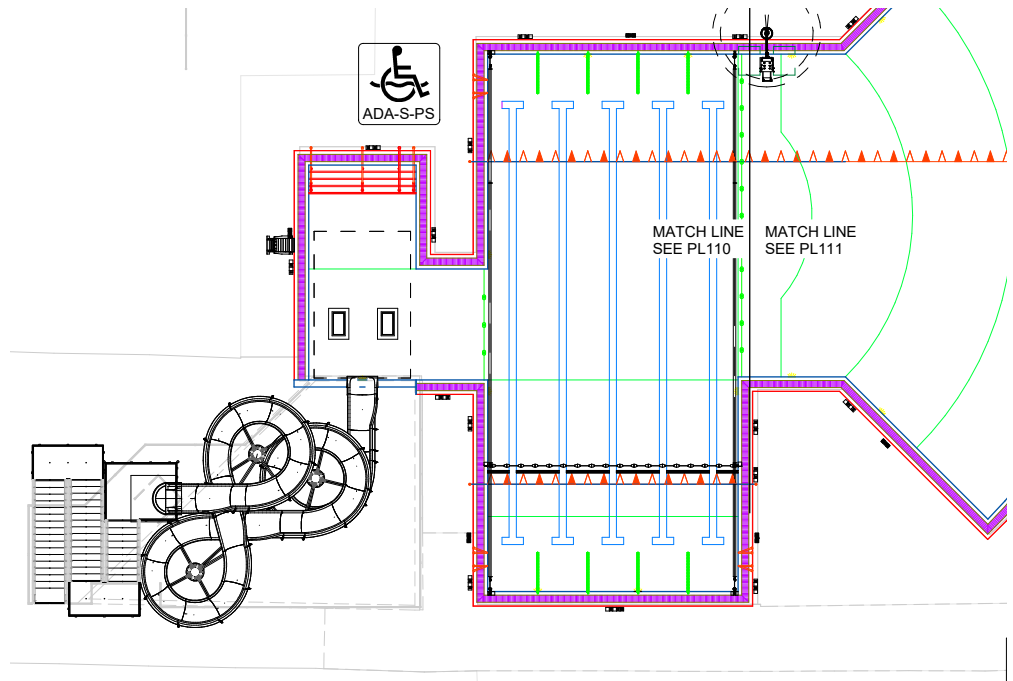
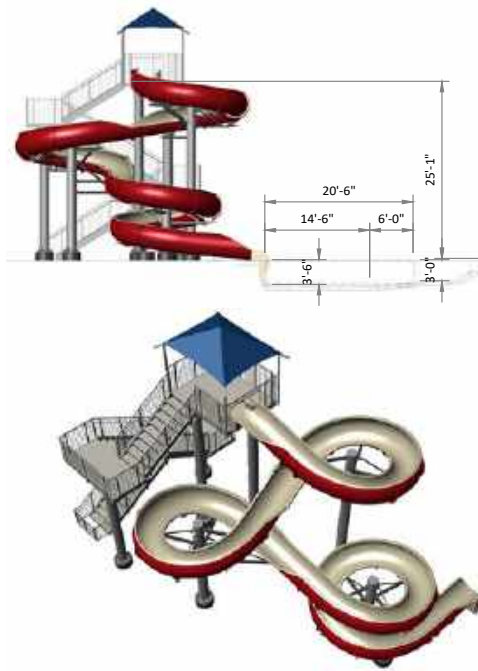
AMENITIES

Riptide Racer- 6-Lane, 296' Long Mat Racer
Tiki Twist- 320' Long Aqua Loop Drop Box Slide



ROSEVILLE AQUATIC COMPLEX

Roseville, CA



OWNER

City of Roseville
316 Vernon Street, Suite 400
Roseville, CA 95678

COMPLETED

In Construction

The Roseville Aquatic Complex first opened its doors in 1996. After several years of operations, the aquatic complex was starting to show signs of aging. The slide structure was nearing the end of its useful life along with the wading pool.

Water Technology, Inc. (WTI) was hired alongside the lead architect to provide aquatic planning, design, and engineering for the replacement of the existing waterslide with a new, outdoor slide complex that contains a fiberglass body-flume waterslide ending in the existing plunge pool of the existing recreation pool. The slide complex was designed to accommodate an additional body-flume slide in the future. WTI was also involved in the replacement of the plaster pool finish in the existing recreation pool and the full design of a new splash pad to replace the existing Wading Pool.

With these updates, the aquatic complex will continue to serve as a beloved community asset providing safe and reliable fun!

AMENITIES

Slide Complex
42" Open Flume Body Slide



WATER TECHNOLOGY INC.

HUETHER FAMILY AQUATIC CENTER

Yankton, SD



OWNER

City of Yankton
416 Walnut St.
Yankton, SD 57078

COMPLETED

2021

AWARDS / FEATURES

Aquatic Design Portfolio
Athletic Business, 2022

WEBSITE

www.cityofyankton.org

Yankton, South Dakota made a big splash in the community when opening the long-awaited Huether Family Aquatic Center. The new aquatic center was made possible by a group of community members that formed to create "Dive In, Yankton!" in 2017, a campaign to promote the rebuild. The original pool, built in 1947 following World War II had been leaking more than 71,000 gallons of water daily and was not sufficient in serving members of the community, resulting in a loss of sales tax dollars and revenue. After much preparation, planning, and fundraising efforts, Dive In, Yankton! presented to the City Commission and was granted funding from an opt-out of the state property tax freeze. Voters highly supported the tax levy increase and by the end of 2018, Dive-In Yankton! had received up to \$2 Million including a generous \$1 Million donation from the Huether Family Foundation.

In 2019, WTI designed the highly anticipated aquatic center to serve as a source of entertainment for users of all ages and abilities. From relaxing to thrilling experiences, Huether Family Aquatics Center has it all. The 50-meter competition pool is suitable for lap swimming, swimming lessons, diving, and open water for leisurely swim. Exert some energy by playing water basketball, battling the vortex pool, taking a ride down the thrilling body slide with extreme height and speed or relax down the meandering lazy river and cool off through the spray channel. The kiddos will love the play structure, spray features and the spray zone found in the zero-depth family pool.

Adventure awaits for locals and visitors alike, with additional unique amenities such as the floating wobble bridge water walk and the climbing wall.

"We knew that we needed to build a facility that would be attractive to young families, young kids, middle school-age kids, and high school-age kids," Larson said. "We needed to get amenities that would be entertaining to all the different ages, and we have definitely got that here."

AMENITIES

250' Lazy River with Adventure Channel & Vortex Pool

2,400 SF 3-Season Splash Pad
12,408 SF, 50-Meter Competition Pool

9,279 SF Beach-Like Zero-Depth Entry Kids Pool with Interactive Water Play Structure

Two, 3-Meter Diving Boards
Two, 1-Meter Diving Boards

32" Enclosed Body Slide
54" Enclosed/Open Tube Slide

Wibit Walk
Climbing Wall
Basketball Hoops



GARDEN RAPIDS AT “THE BIG POOL”

Garden City, Kansas



OWNER

City of Garden City, Kansas
301 N. 8th St.
Garden City, KS 6784

COMPLETED

Master Plan - 2019
Construction - 2021

AWARDS / FEATURES

Associated General Contractors
of America Award, 2022

Aquatic Design Portfolio
Athletic Business, 2022

Leading Edge Award
World Waterpark Association, 2021

WEBSITE

[www.garden-city.org/government/
departments/big-pool](http://www.garden-city.org/government/departments/big-pool)

AMENITIES

13,514 SF 10-Lane x 50-Meter Competition
Pool with basketball hoops, Two 1-Meter
Diving Boards and One 3-Meter

7,158 SF Leisure Pool with Zero-Depth
Entry Featuring an Interactive Play Unity,
Geysers, Massage Spray Jets and a Lazy
River with Action Channel

WaterSlide Complex Featuring SlipStream
Standup Slide, Two FlyTyme Launch Slides,
One Body Slide and One Tube Slide

History runs deep at “The Big Pool” with the initial pool being hand-dug in 1921 and the construction of the bathhouse in the 1930s as part of a WPA project. As the “World’s Largest Outdoor Concrete Municipal Swimming Pool”, Garden City’s municipal swimming pool was larger than a football field with a water surface area of 72,600 square feet and it could hold 2.6 million gallons of water! Over the last 100 years, this public amenity became a beloved summer staple to Garden City residents who appreciated its rich roots within the community. The Big Pool was truly one-of-a-kind; on various occasions, elephants from the neighboring zoo in Finnacle Park played and swam in the pool and boats pulled water skiers across the immense water surface. After nearly 100 years of use and despite many repairs, the Big Pool was losing over 200,000 gallons of water daily. Due to these rising repair costs, Water Technology, Inc. (WTI) and the project design team were contracted to complete a master plan to re-imagine and rejuvenate this city treasure.

The Master Plan for the Big Pool involved many public meetings and events to gain input and insight from the community about this beloved amenity. The design team met with residents at The Big Pool and asked them what they loved about the current pool and what they hoped to see in the new facility. Overwhelming support from the community highlighted interests in three key areas for the new pool: a 50-Meter competition pool featuring the nation’s first SlipStream Standup Waterslide and two of the first municipally-owned FlyTyme Launch Slides, alongside other body and tube slides, a leisure pool with a large lazy river and interactive play structure, and a separate toddler wading pool and splash ground.

Part of the rejuvenation of The Big Pool was to re-brand the facility and the citizens voted on the name Garden Rapids at “The Big Pool.” After a brief 255 days of construction, the revitalized park opened to the community and was met with an incredibly warm reception. The average weekday park attendance is 900 and the average weekend attendance is 1200. The community is thrilled about the new legacy of “The Big Pool” for the future of Garden City recreation. Following a successful first summer season, the park was awarded the prestigious Leading Edge Award by the World Waterpark Association. Garden Rapids was the only municipality featured amongst the international commercial waterpark heavy-hitters, which is truly a testament to the unique innovation of this incredible facility.



CLARKSVILLE COVE AQUATIC CENTER RENOVATION

Clarksville, Indiana



OWNER

Clarksville Parks and Recreation
2000 Broadway St., Suite 221,
Clarksville, IN 47129

COMPLETED

2017

AWARDS / FEATURES

Award of Merit - Athletic Business
Association

WEBSITE

www.clarksvillecove.com

WTI was the original designer for the Clarksville Family Aquatic Center facility which opened its doors in 1995. The pool was well loved and cared for but by 2015 much had changed in the aquatic industry and in guest expectations.

The Town of Clarksville Parks and Recreation Department contracted WTI to evaluate the existing outdoor swimming pool facility at the Clarksville Family Aquatic Center and to present findings to The Clarksville Parks and Recreational Board including outlining deficiencies in pool structure, water systems and heating for the facility, address how these deficiencies could be corrected, and budget costs for the proposed future use. In July 2015, the Clarksville Redevelopment Committee voted to help fund the project as part of the South Clarksville Redevelopment Plan. The changes made to the Aquatic Center resulted in lower operating costs and energy/water usage and added additional play features and amenities for their guests.

In the summer of 2017, Clarksville Cove proudly opened the newly rejuvenated, redesigned facility. While the main pool was reduced in size to create space for lap swimming and lessons, the focus of the renovation involved the construction of a splash pad complex with zones for tots, intermediate age users and a large activity space for the oldest swimmers-at-play. Run-out troughs were added to the flume slides, which were retained from the original park features. From 2015 to 2017 (first full summer in operation):

- Attendance increased by 12%
- Total sales increased by 30%
- Concession sales increased by 20%
- Daily admission revenue increased by 29%
- Annual pass revenue was up 59%
- Total number of guards was decreased from 30+, down to only 9
- Birthday party attendance increased 263% with the renovated birthday party area in the aquatic center

WTI was proud to be part of the re-imagining of Clarksville Cove and to witness how this success story is shaping aquatic recreation in Clarksville for users of all ages and abilities.



WATER TECHNOLOGY INC.

DEEP RIVER WATERPARK ADDITION

Crown Point, Indiana



OWNER

Lake County Parks Department
8411 East Lincoln Highway
Crown Point, IN 46307

COMPLETED

2005 - Lazy River & Cannon Bowl Slide
2016 - Braided Mat Racer Slide

AWARDS / FEATURES

Ranked in The Top Public Waterparks
Aquatics International IT List 2010-2011

WEBSITE

www.deepriverwaterpark.com

Since the early 1990s, the Lake County Parks Department was told that a waterpark will never succeed in Northwest Indiana. According to that notion, Deep River Waterpark has achieved the impossible. Located just thirty minutes from south suburban Chicago, now in its second decade of operation, the waterpark has proven track record of success.

The park board members have stayed loyal to their mission to provide a quality family experience and responded to residents' surveyed requests for more aquatic facilities. After a major construction during summer of 1994, waterslides, a wavepool, children's area with interactive play features were built. The park has provided something new each year, keeping the local market interested and excited about attending the facility. Deep River has been extremely successful for a park of its size and has often reached its carrying capacity limit. To correct this issue, the in-park carrying capacity has been increased and new structures such as cannon bowl slide, lazy river and support facilities have been added to decrease density and better visitors' experience. In 2016 the park was able to offer another exciting amenity for it's constantly growing fanbase. The "Kraken" braided mat racer ride was added in 2016 and opened for the 2017 season. Guests are able to race each other down the slide in this thrilling aquatic experience.

Part of the expansion also included the construction of an outdoor ice plaza for winter use. Beneath the concrete plaza are miles of interacting coils designed to freeze shallow water when temperatures fall beneath 40 degrees Fahrenheit. Along with fulfilling a need in the region, this addition adds days of operation for the seasonal park.

AMENITIES

"Mid-America's Great River Ride" - 1,327 LF Lazy River
"Double Deuling" Cannon Bowl Slide
"The Kraken" Braided Mat Racer Slide



THOMPSON PARK POOL

Amarillo, Texas



OWNER

City of Amarillo
601 S. Buchanan
Amarillo, TX 79101

COMPLETED

2021

AWARDS / FEATURES

Aquatic Design Portfolio
Athletic Business, 2022

WEBSITE

www.amarillo.gov

After a tremendous outpouring of input from a community survey, the City of Amarillo was granted funding to update the 87-year-old Thompson Park Pool. The pool closed in 2018 after becoming a safety hazard to the community due to structural issues. The new, six-acre, \$8 Million outdoor community aquatic center received a complete overhaul featuring a lazy river, zero-depth entry leisure pool and waterslide complex, alongside a brand-new concession area and party pavilion. Thompson Park Pool was made possible when the City approved the funding in certificates of obligation. It is now considered the largest public aquatic center within the area.

The goal for the facility was to appeal to citizens beyond the Amarillo city limits and into the surrounding Texas Panhandle region, bringing more tourism to the town. "We feel like this is a great thing for the community and hopefully, long-term, start to spur a little bit of economic development in this area," stated by Michael Kashuba, Director of Parks and Recreation.

WTI worked in conjunction with a local architect to create a facility that fulfilled both the project budget and community feature requests. The Thompson Park Pool anticipates providing aquatic entertainment for visitors of all ages for years to come.

AMENITIES

6,049 SF Leisure Pool
Zero-Depth Entry
Sun-Shelf Deck
Spray Feature

3,343 SF Lazy River With Vortex Pool
Two Run Out Slides
Party Pavilion
Two Pool-Side Basketball Hoops
Toddler Water Table and Play Features



WISCONSIN RAPIDS REGIONAL AQUATICS CENTER

Wisconsin Rapids, Wisconsin



OWNER

The City of Wisconsin Rapids
521 Lincoln St
Wisconsin Rapids, WI 54494

COMPLETED

2020

AWARDS / FEATURES

Aquatic Design Portfolio
Athletic Business, 2021

WEBSITE

<https://www.wirapids.org/aquatics.html>

After years of public discussion and engagement, the City of Wisconsin Rapids decided to improve the Witter Field Park with the addition of a water park. Community feedback indicated a strong desire for having aquatics that serve both a multigenerational community and tourists who visit Wisconsin Rapids. The \$12 Million project has been funded through a mix of public funds, matching grants, private donations, and corporate contributions.

Water Technology, Inc. (WTI) was hired to provide aquatic planning, design, and engineering services for the future Wisconsin Rapids Regional Aquatic Center. Because of uncertainties in final funding totals, WTI developed multiple designs to accommodate various funding levels without compromising key amenities and features.

Two principals guided the aquatic design: to appeal to the multigenerational families of Wisconsin Rapids and to become a regional attraction. WTI designed three separate aquatic spaces to meet the diverse community needs. The first space is designed for those with small children who will enjoy the 2553 SF zero-depth entry tot pool which has geysers, interactive play features, a tot slide, and toddler-sized lazy river. The second space features an enormous 7,667 SF leisure pool, with an activity area, a lazy river with action channel, and a three-story waterslide that terminates into a refreshing plunge area. The final space is designed for fun exercise opportunities for the whole family, including a climbing wall, a diving board, and a three lane Wibit obstacle course that is fun for the whole family.

The Wisconsin Rapids Regional Aquatic Center opened its doors on July 6, 2020 to a great reception from the local community.

AMENITIES

7667 SF Leisure Pool
Activity Pool 2333 SF
1M Diving Board
Climbing Wall
Wibit Course
Water Basketball
Body Slide

Plunge Area for Lazy River
Action Channel (75 FT)
Lazy River (260 FT)
Tot Pool Zero-Depth Entry (2553 SF)
Tot Slide
Play Features
Geysers



MAGIC WATERS WATERPARK

Cherry Valley, IL



OWNER

Rockford Park District
401 N. Second Street
Rockford, IL 61107

COMPLETED

2017 - Renovation of Body Slides
2012 - "Double Dare Drop", Tropical
Twister improvements
2009 - "Typhoon Terror"
2004 - "The Abyss" Slide Complex
2000 - "Splash Blaster"
1997 - "Splash Magic Island"
1993 - Lazy River

AMENITIES

Lazy River - 1,200 LF
Treehouse Addition - 11,538 SF
The Abyss - 40' High, 325 LF
Typhoon Terror Tantrum Slide
2- Run out speed slides with Timing
System

AWARDS

2010 Ranked in the Top Public
Waterparks, Aquatics International

1998 Aquatic Facility Showcase
Feature Illinois Parks and Recreation

WEBSITE

www.magicwaterswaterpark.com

Water Technology, Inc. began working with this waterpark in the early 1980s when the park was originally developed and run by a privately held group. The Rockford Park District took over operations, and WTI has worked with the Park District for over ten years. In 1993 a lazy river was added to the existing waterpark. This river holds approximately 540,000 gallons of water and averages 20 feet in width. It features a zero-depth entry, simulated rockwork, waterfalls and sprays. At the time the lazy river was planned, WTI master planned for a future attraction to be contained within the river.

The addition of Splash Magic Island in 1997 offered guests an alternative venue for fun within the park; and it offered safe, interactive, entertainment targeted to the 3- to 12-year-old market while maintaining adult interaction. The SCS Tree-House Addition features interactive play features including tunnels, water slides, water guns and a giant bucket that dumps water on the unsuspecting crowd. The design also included a Caribbean theme for the adjoining concessions, shade and deck areas.

In the summer of 2000, Magic Waters added the Midwest's only Water Coaster, the "SplashBLASTER 2000". You board a 2-person raft at ground level, rise a dizzying 80 feet above Magic Waters, swoosh into a tunnel, plunge 35 feet over the edge, followed by another 30 foot gut-wrenching drop, then you're blasted up by an incredible rush of water and that's only the first few seconds!

In the summer of 2004, the Rockford Park District introduced, "The Abyss" slide complex, a dark ride starting five stories above the park twisting and turning before you splash into daylight.

In 2009 the "Typhoon Terror" slide was added to the waterpark. The experience begins with you loading into a four-person tube, then plunging into an enclosed flume that drops into a funnel where you'll find yourself racing back and forth up the walls all while the tube is rotating. Before you know it, you're entering another enclosed flume which eventually spills you into the plunge pool.

Most recently, the "Double Dare Drop" was added along with a new mechanical room. The newest thrill ride drops 75 feet, and is the steepest body slide in Northern Illinois and Southern Wisconsin. Once reaching the bottom of the slide guest can check their time against other riders. The average speed... about 4.5 seconds!



De Pere Aquatic Center at VFW Park

Client: City of De Pere | Location: De Pere, WI



Services

Mechanical Engineering

Electrical Engineering

Plumbing /Fire Protection Engineering

Project Management

Master Planning

Landscape Architecture

Civil Engineering

Structural Engineering

Aquatics (Water Tech)

The City of De Pere, WI is getting a new \$7 million aquatic center. The project entails the conversion of the city's former two public pools into "mini aquatic centers."

The VFW Aquatic Center includes an entirely new 6,150-square-foot facility with bathhouse containing bathrooms/changing rooms, office and guard spaces, first aid, entry lobby, meeting rooms, family changing rooms, and a concessions wing. A separate 1,250-square-foot mechanical building will house the pumps and chemical rooms and provide storage space. The aquatic features include a lap pool with dive well, activity zone, water walk, dual body slides, drop slide, separate tot pool with zero depth entry, and tot play features.

The first phase of work included review and analysis of the existing aquatic facility and VFW Park features, along with development of a conceptual design plan and a budget estimate, for a new and unique replacement aquatic center. The GRAEF/WTI team collected and reviewed existing data and information, and conducted public meetings and interviews with key stakeholders. Multiple design option renderings and budgets were prepared and presented. Then with the direction from the City Park Board, a single rendered option was finalized and budget updated.

The facility opened on June 11, 2021 to much fanfare and excitement

GRAEF



Colburn Park Pool

Owner: City of Green Bay | Location: Green Bay, WI



Services	Engineering design to replace the Colburn Park pool. Project includes both pool, building, and associated site work.
Project Management	
Master Planning	GRAEF engineers led The GRAEF/Water Tech team with overall project management, master planning, site/civil engineering, structural engineering, mechanical engineering, electrical engineering, plumbing engineering, and landscape architecture for this \$6.5 million dollar aquatic center. GRAEF staff provided multiple preliminary design options, final design services, construction drawings, construction specifications, and construction administration services.
Site/Civil Engineering	
Structural Engineering	
Landscape Architecture	
Mechanical, Electrical, and Plumbing Engineering	The new facility will feature a 50-meter competition swimming pool along with zero-depth entry play area, slides and a diving well. The bath house includes a concessions area as well as a rentable conference room. Additional amenities include a sand play area, picnic pavilion, and grass viewing berm.
Topographic Survey	
Aquatics (Water Tech)	Public input was an important part of the design process, with local public comment guiding many design decisions. Close coordination with City staff was required to ensure the design met both public needs and community desires.



Tosa Pool at Hoyt Park

Client: Friends of Hoyt Park/Milwaukee County | Location: Wauwatosa, WI



Services
Civil Engineering
Structural Engineering
Survey
Aquatics (Water Tech)

The Friends of Hoyt Park, a non-profit community organization, teamed with Milwaukee County to rebuild the Hoyt Park Pool, which had been closed for close to 10 years. The \$9 million pool and park opened in 2011, and the complex includes a new lap pool, diving board, slide, and zero-entry design including a redesigned changing complex. The **GRAEF/Water Tech team** was chosen to design the new pool.

GRAEF provided civil engineering services to Milwaukee County to improve all the support infrastructure in the park including a new parking lot, decorative fencing, recreational path, and utility work. The proximity of the pool to the Menomonee River led to innovative storm water design solutions and challenges with utility service, requiring a 1,200-foot directional drill under the river to provide water service to the pool. GRAEF also provided civil engineering services to the design-build team to construct the pool, deck, and building renovations.

The tight budget for the community project challenged GRAEF to analyze the infrastructure thoroughly to determine what existing site could remain to maximize both environmental and cost efficiency.

The pool opened with great fanfare from the local community with local recognition including Wauwatosa Chamber of Commerce Civic Appreciation Award and Milwaukee Magazine's "Best Things in Milwaukee."





Schultz Aquatic Center at Lincoln Park

Client: Milwaukee County | Location: Milwaukee, WI



Services
Project Management
Master Planning
Site/Civil Engineering
Structural Engineering
Landscape Architecture
Aquatics (Water Tech)

Milwaukee County opened a new family aquatic center at Lincoln Park on Milwaukee's north side in 2009. The family aquatic park features the only outdoor "lazy river" in the region as well as the tallest water slides in the County Parks system. The park includes a body slide, tube slide, zero-depth entry interactive children's play area, lap lanes, diving boards and a new 6,200 square-foot locker room building. The pool water is heated to a constant 82 degrees. The project also included the remodeling of the existing Blatz Pavilion to include concessions, lifeguard locker rooms, a first aid room, and staff offices.

GRAEF engineers led The **GRAEF/Water Tech team** with overall project management, master planning, site/civil engineering, structural engineering and landscape architecture for this \$8.6 million dollar aquatic center. GRAEF staff provided multiple site and size preliminary design options, final design services, construction drawings, construction specifications, and construction administration services.

The new facility provides a strong connection to the Lincoln Park, the Milwaukee River, and the Oak Leaf Trail system. The project won an award for Outstanding Aquatic Facility Design from the Wisconsin Park and Recreation Association.



WATER TECHNOLOGY INC.



PART II: COST PROPOSAL



**HURON CLINTON METROPOLITAN AUTHORITY
REQUEST FOR PROPOSAL STANDARD COST FORM**

(TO BE SUBMITTED WITH PROPOSAL PART II)

PROJECT TITLE: New Slide Structure Design and Consultation

PARK NAME: Lower Huron Metropark

RFP No.: 506-22-502-D

DUE DATE: March 31, 2022

WTI

PROJECT PHASE	ESTIMATED HOURS	ESTIMATED COST
Site Schematic Design, Records Research	73	\$9,300
Design Development and Construction Documents		
50% Design Completion	172	\$21,100
90% Design Completion	205	\$25,600
100% Design Completion	48	\$6,250
- In-person Meetings (Consultant)	1 Meetings	\$2,400
- Tele-Conference Meetings (Consultant)	4 Meetings	\$1,600
- In-person Meetings (Sub-Consultant-Architect)	1 Meetings	
- Tele-Conference Meetings (Sub-Consultant-Architect)	3 Meetings	
- Permit Preparation and Applications	30	\$4,150
Additional Phases/Task As Proposed		
Bidding Assistance (Allowance)	16 hours	\$2,400

RFP No.: 506-22-502-D

REQUEST FOR PROPOSAL STANDARD COST FORM (Cont'd)

	ESTIMATED HOURS	ESTIMATED COST
Construction Administration - Consultant (Allowance)	40 hours	\$6,000
- In-Person Meetings Allowance (Consultant)	4 Meetings	\$12,000
- In-Person Meetings (Sub-Consultant-Architect)	4 Meetings	
Additional Phases/Task As Proposed		
Project Start-up (Allowance)	10 hours	\$1,500

Include estimated hours for all work performed except provided by subconsultant as lump sum.

Proposal Cost (Not to Exceed)
WTI - \$94,700



**HURON CLINTON METROPOLITAN AUTHORITY
REQUEST FOR PROPOSAL STANDARD COST FORM**

(TO BE SUBMITTED WITH PROPOSAL PART II)

PROJECT TITLE: New Slide Structure Design and Consultation

PARK NAME: Lower Huron Metropark

RFP No.: 506-22-502-D

DUE DATE: March 31, 2022

GRAEF

PROJECT PHASE	ESTIMATED HOURS	ESTIMATED COST
Site Schematic Design, Records Research	31.25	\$5,000
Design Development and Construction Documents		
50% Design Completion	178.125	\$28,500
90% Design Completion	133.125	\$21,300
100% Design Completion	44.375	\$7,100
- In-person Meetings (Consultant)	1 Meetings	
- Tele-Conference Meetings (Consultant)	4 Meetings	
1 GRAEF PM - In-person Meetings (Sub-Consultant-Architect)	1 Meetings	\$2,600
3 - 1 hour meetings each discipline represented - Tele-Conference Meetings (Sub-Consultant-Architect)	3 Meetings	\$3,500
- Permit Preparation and Applications		
Additional Phases/Task As Proposed		
Bidding Assistance (Allowance)	16 hours	

RFP No.: 506-22-502-D

REQUEST FOR PROPOSAL STANDARD COST FORM (Cont'd)

	ESTIMATED HOURS	ESTIMATED COST
Construction Administration - Consultant (Allowance)	40 hours	
- In-Person Meetings Allowance (Consultant)	4 Meetings	
3 site visits - 1 Structural, 1 Electrical, 1 Mech/Plumb - In-Person Meetings (Sub-Consultant-Architect)	3 Meetings	\$7,100
Additional Phases/Task As Proposed		
Shop drawing review, RFIs, construction coordination and basic construction services	74.375	\$11,900
Project Start-up (Allowance)	10 hours	

Include estimated hours for all work performed except provided by subconsultant as lump sum.

Proposal Cost (Not to Exceed)
GRAEF - \$95,000

*plus travel expenses

Architectural - \$18,700 No site visit, existing plans with details to use as example for design.
 Structural (Limited PM) - \$20,300 Site visit during construction, Owner meeting representation - 2, geotechnical information provided by owner
 Mechanical - \$9,500 (Site visit during construction)
 Electrical - \$21,000 (1 site visit during construction; Basis of design by Water Technology, initial site survey by owner/Water technology for electrical service)
 Plumbing - \$7,500 (Site visit during construction)
 Civil - \$10,000 (no site visits, survey by owner, No state or local permits, under 1 acre disturbance, existing utilities identified by owner)
 Total Fee - \$95,000 plus travel expenses.



HURON CLINTON METROPOLITAN AUTHORITY REQUEST FOR PROPOSAL STANDARD COST FORM (SUBCONSULTANT INFORMATION)

Subconsultant:	Graef
Discipline:	Architectural, Structural, Mechanical, Electrical, Plumbing & Civil
Contact Information:	275 West Wisconsin Avenue Suite 300
	Milwaukee, WI 53203
	T. 414.259.1500
Subconsultant:	
Discipline:	
Contact Information:	
Subconsultant:	
Discipline:	
Contact Information:	
Subconsultant:	
Discipline:	
Contact Information:	





FULL COST PROPOSAL



Professional Services Proposal

New Slide Structure
Lower Huron Metropark
Belleville, Michigan

WTI Project Number: 22271.01
March 31, 2022

Client

Huron-Clinton Metropolitan Authority
Engineering Department
13000 High Ridge Drive
Brighton, MI 48114

Laura Martin, PE
T. 810.227.2757
laura.martin@metroparks.com

Consultant

Water Technology, Inc. (WTI)
100 Park Avenue, PO Box 614
Beaver Dam, WI 53916
www.wtiworld.com

Ryan Nachreiner
Project Director
M. 920.392.2918
rnachreiner@wtiworld.com

Jennifer Gerber
Business Development Leader
M. 763.360.0594
jgerber@wtiworld.com



Project Understanding

Scope

WTI services involve the design and engineering for the addition of a new 3-flume waterslide complex.

Description

An aquatic masterplan or program has not yet been finalized for this facility. The following proposal is based on these preliminary design criteria:

- Outdoor Splashtacular 3-Slide Structure, body flumes, runout terminations

Budget

The project budget is anticipated to be approximately \$1.6 million USD.

Scope of Services

Schematic Design

WTI will consult with the Client to confirm project goals and requirements and develop the spatial relationships of the components of the project. For the Schematic Design (SD) phase, WTI will perform the following tasks:

- Confirm site plan and review background info and records drawings
- Confirm schedule, owner requirements and goals
- Develop preliminary mechanical selections
 - Determine filtration, heating, and water treatment methodologies
- Develop Schematic Drawings
 - Architectural
 - Site Plan
 - Mechanical Building Plan
 - Aquatic – Slide Plan
 - Mechanical – Preliminary Equipment Plan
- Conduct inter-disciplinary coordination for utilities and preliminary requirements
- Develop Rough Order of Magnitude (ROM) Construction Cost Opinion
- Meet with owner to review deliverables and design progress

Design Development

Based on the Client approved SD Deliverables, WTI will develop designs of the slide areas and systems. For the Design Development (DD) phase, WTI will perform the following tasks:

- Develop Architectural Drawings
 - Mechanical Room Plans and Sections
 - Mechanical Room Door and Exterior Finish Schedules
- Develop Aquatic Drawings
 - Slide Plans, Sections, and Details
 - Preliminary Slide Piping Plans, and Piping Details
 - Slide Mechanical Plans, Schedules, and Details
- Develop Structural Drawings
 - Mechanical Room Foundation Plan and Details
 - Slide Complex Foundation Plan and Details
- Develop Civil Drawings
 - Decks/Walks Plan and Details
 - Site Grading and Drainage Plan

- Develop Mechanical Drawings
 - Mechanical Room HVCA Plan and Details
- Develop Electrical Drawings
 - Mechanical Room Electrical Schematic Plan and Details
 - Preliminary Grounding and Bonding Plan
 - Mechanical Room Lighting Schematic
- Develop Plumbing Drawings
 - Mechanical Room Potable Water Supply Plan
 - Mechanical Room Drainage Plan and Details
- Develop Draft Specifications
- Conduct inter-disciplinary review and coordination
- Verify Design for Code Compliance
- Develop Preliminary Construction Cost Opinion
- Meet with owner to review deliverables and design progress

Construction Documents

Based on the Client approved DD Deliverables, WTI will finalize the designs of the slide areas and systems. Final CD Deliverables will contain information suitable for contractors to provide construction pricing or bidding. Final CD Drawings will contain the Professional Seal of an Architect or Engineer licensed in the State of Michigan and will be suitable for review by permitting agencies with jurisdiction over the project. For the Construction Document (CD) phase, WTI will perform the following tasks:

- Finalize Architectural Drawings
 - Mechanical Room Plans and Sections
 - Mechanical Room Door and Penetrations Schedules and Details
 - Mechanical Room Finishes Schedules and Details
 - Site Signage Plan and Details
- Finalize Aquatic Drawings
 - Slide Plans, Sections, and Details
 - Slide Mechanical Plans, Schedules, and Details
 - Slide Piping Plans and Piping Details
 - Slide Mechanical Schematics
- Finalize Structural Drawings
 - Mechanical Room Foundation Plan, Sections and Details
 - Slide Complex Foundation and Footings Plans, Sections and Details
- Finalize Civil Drawings
 - Decks/Walks Plan and Details
 - Site Fencing and Barriers Plan and Details
 - Site Grading and Drainage Plan and Sections
- Finalize Mechanical Drawings
 - Mechanical Room HVCA Plan, Sections and Details
- Finalize Electrical Drawings
 - Mechanical Room Electrical Plan, Schedules, and Details
 - Mechanical Room and Slide Structure Grounding and Bonding Plan, Schedules, and Details
 - Mechanical Room Lighting Plan, Schedules, and Details
- Finalize Plumbing Drawings
 - Mechanical Room Potable Water Supply Plan and Details
 - Mechanical Room Floor Drainage Plan and Details
 - Mechanical Room Discharge to Waste Piping Plan and Details
- Finalize Specifications
- Finalize inter-disciplinary review and coordination

- Meet with owner to review deliverables and design progress
- Perform Internal Quality Assurance Procedure
- Address Questions and Comments from Permitting Agencies
- Prepare and submit permit review applications for local jurisdiction.

Bidding and Negotiation

WTI will prepare bid document and assist with the negotiation of the Contract Documents. For the Bidding and Negotiation (BN) phase, WTI will perform the following tasks:

- Prepare Bid Documents and Drawings for Owner Review
- Respond to Request For Information (RFI)
- Provide information and clarifications, including supplemental drawing if needed, for Owner's Addenda
- Assist in the interview of the Contractors, if requested by Client
- Review bids and bidder qualifications to assist with and recommend award of the Contract

Construction Administration

WTI will assist the Client during construction of the project. WTI will periodically visit the project site and will endeavor to observe the construction for conformance to the CD Deliverables. For the Construction Administration (CA) phase, WTI will perform the following tasks:

- Participate in Revit model exchanges and BIM coordination phone calls as requested
- Review requested Submittals including Shop Drawings and other information
- Review Contractor Change Order requests, if needed
- Respond to Request For Information (RFI)
- Correspond with Permitting Agencies regarding questions
- Review Contractor prepared Operation and Maintenance Manuals (O&M Manuals)
- Conduct Site Observations
- Provide Field Reports on Site Observations
- Review Punch List prepared by Contractors
- Confirm Completion of Punch List and Substantial Completion
- Prepare Record Drawings based on post addenda information and as-built drawings provided by Contractor

Requirements

The following information, materials, and approvals are required for WTI to effectively and efficiently perform the services described in this proposal. The Client shall provide WTI, at no cost, with the following:

- Project site surveys
- Project record drawings
- Project site geotechnical analysis and reports
 - WTI will base design upon standard soils conditions with an assumed bearing capacity of 2,500 pounds per square foot. If soil conditions differ, or include expansive, environmental, high groundwater, organics or other deleterious conditions, additional structural services and fees may be required.
- Project site water analysis and testing
- Construction contract bid responses and results

Deliverables

Schematic Design

- SD Drawing Set
- Preliminary Construction Cost Opinion



Design Development

- DD Drawing Set
- Draft Specifications
- Updated Aquatic Construction Cost Opinion

Construction Documents

- CD Progress and Coordination Drawing Sets
 - WTI shall provide 50% and 90% review sets in advance of final deliverable.
- Final CD Drawing Set
- Final Specifications

Bidding and Negotiation

- RFI Response(s)
- Addenda Drawings and Documentation, as required.

Construction Administration

- Review Comments of Submittals
- Review Comments of Change Orders
- Review Comments of O&M Manuals
- Field Reports
- Review Comments of Punch Lists

Participant BIM Project Brief

WTI anticipates producing three-dimensional BIM models consisting of 3D model geometry and digital data required to necessitate the requested BIM LOD up to BIM LOD 300. WTI design models will only contain information pertinent to our services and will not include information relevant to fabrication, construction, or facilities management. Inclusion of additional data in digital models, such as ongoing model updates for record drawings, facility management, etc. may be requested as an Additional Service. Reference WTI's BIM Level Definitions document for an outline of what may be included with each level.

Schedule

WTI's aquatic experts have an intimate understanding of the process and timing needed to achieve the level of coordination required for a successfully developed, high quality aquatic document package. WTI proposes the following schedule, which achieves the Owner target date for the Grand Opening of the new slide complex per the RFP:

Project Initiation / Notice to Proceed	April 4, 2022
Schematic Design Complete	April 22, 2022
Owner Review and Approval	April 27, 2022
Design Development Complete	May 25, 2022
Owner Review and Approval	June 1, 2022
Construction Documents 90% Progress	July 8, 2022
Owner Review and Approval	July 15, 2022
Construction Documents Complete	July 29, 2022
Bid Advertisement	August 12, 2022
Bid Opening/Results	September 7, 2022
Contractor Selection and Award	September 21, 2022
Substantial Completion of Construction	May 5, 2023
Slide Grand Opening	May 20, 2023

We understand that abbreviated schedules may sometimes be required, however in our experience, this puts the Owner, Client and WTI at risk. To expedite a project, please be aware that a discussion of those risks is required, in addition to a corresponding fee adjustment.

Exclusions

A non-comprehensive outline of scope for coordination and exclusion from the proposed WTI Scope of Services is below. The following services and project scope shall be the responsibility of the Client, or other Consultants of the Client.

Testing and Analysis

- Geotechnical testing and analysis
- Local water testing and analysis

Administrative

- Permits and regulatory fees.
 - WTI will complete and submit construction permit applications but is not responsible for payment of fees.
- LEED® Registration and Application
- Document reproduction and distribution
 - All deliverables and materials will be provided electronically. Hardcopies of drawings or other documents may be requested and provided for an additional charge.

Terms and Conditions

Basis of Agreement

This proposal incorporates by reference AIA Document B101-2017, Standard Form of Agreement Between Owner and Architect. The general conditions of the contract will be defined in AIA Document A201-2017, General Conditions of the Contract for Construction.

Scope of Services

Services offered are limited to those services described in the proposal. No other services are offered or implied unless specifically addressed in the proposal.

Expiration

The attached proposal is considered valid for a period of ninety (90) days from the date of the proposal or its last revision date, if any. Proposals older than ninety (90) days are expired, unless reissued by WTI with a reissue date.

Payment

All proposals are based upon payment in US dollars. Invoices will be issued monthly and are payable within forty-five (45) days of date of invoice. An interest rate of one percent (1.0%) per month will be payable on any amount not paid within this time period. Attorney's fees and any other costs incurred in collecting delinquent accounts shall be paid by Client. WTI will invoice professional fees monthly, on a percent complete basis, throughout the project term.

Hourly Charges/Additional Services

WTI personnel will be charged at the following rates:

Principal/Director	\$200.00
Project Manager/Engineer	\$150.00
Creative Studio	\$130.00
Project Design	\$115.00
Mechanical Design	\$135.00
Technical Design	\$85.00
Administrative	\$60.00

These rates are valid for a period of twelve (12) months from date of an accepted proposal. These rates are not valid for work involving claims settlement, expert witness or litigation work. Additional services, if requested by Client, will be performed on a stipulated sum or hourly basis, as agreed to in writing by both parties prior to initiating the additional services.

Reimbursable Expenses

Expenses and services not directly provided by WTI will be invoiced at one and 10/100 (1.10) times cost. International travel is business class air. Domestic airfare will be premium economy (changeable and refundable). These costs are not included in WTI's fee unless specifically noted as included in our proposal. Air fares are based on seven (7) days advanced purchase. Costs associated with customer requested modifications to travel arrangements after purchase by WTI will be an addition to the contract sum.

Additional Project Related Costs

The following costs are not included in our proposal and should be anticipated in the owner's budgeting: geotechnical services and reports, topographic and boundary surveys (site surveys), testing, project related insurance, legal and safety consultant services, permits and fees, and marketing and operations development.

Standard of Care

Services provided by WTI under this Agreement will be performed in a manner consistent with that degree of skill and care ordinarily exercised by members of the same profession currently practicing under similar circumstances and in accordance with the governing codes and regulations adopted at the time of the execution of this Agreement. No other warranty or representation, either expressed or implied, is included or intended in our proposals, contracts, plans and specifications or reports.

Risk Allocation

Client agrees that to the fullest extent permitted by law, WTI's total liability to Client for any and all injuries, claims, losses, expenses, damages or claims expenses arising out of this Agreement from any cause or causes, shall not exceed the total amount of fees for services for this project or twenty-five thousand and no/100 dollars (\$25,000.00), whichever is greater.

Governance

This Agreement shall be governed by the laws of the State of Wisconsin.

Insurance

Notwithstanding any other provisions in this Agreement, nothing shall be construed so as to void, vitiate, adversely affect or in any other way impair any insurance coverage held by either party to this Agreement. During the term of this agreement, WTI agrees to provide evidence of insurance coverage as shown in the example Insurance Certificate attached hereto. In addition, WTI will attempt to maintain continuous professional liability coverage for the period of design and construction of this project, and for a period of three (3) years following substantial completion, if such coverage is reasonable available at commercially affordable premiums. For the purposes of this agreement, "reasonably available" and "commercially affordable" shall mean that more than half the design



professionals practicing in this state in this discipline are able to obtain such coverage. Owner will require that any party hired for the construction of the project, including but not limited to the general contractor, construction manager, and subcontractors will include, in addition to the Owner, Water Technology, Inc. and its consultants as additional insured for all policies related to the project. Standard insurance carried by WTI is as follows:

General Liability (Occurrence)	\$1.0 Million USD
General Aggregate (Project)	\$2.0 Million USD
Automobile	\$1.0 Million USD
Umbrella/ Excess (Occurrence)	\$4.0 Million USD
Workers Compensation	Statutory
Professional Liability (Occurrence)	\$2.0 Million USD
Professional Liability (Aggregate)	\$4.0 Million USD

Costs for additional coverage limits, if requested, will be paid for by Client.

Photography

The project architect agrees that any published photos, descriptions or award submittals of the project that include reference to the aquatic work shall include WTI as the aquatic consultant.

Client Services

As part of WTI's quality assurance program, WTI will contact the Owner regarding services provided by WTI.

Dispute Resolution

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, Client and WTI agree that all disputes between them arising out of or relating to this agreement shall be submitted to nonbinding mediation unless the parties mutually agree otherwise. Client and WTI further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, subconsultants, suppliers or fabricators so retained, thereby providing all mediation as the primary method for dispute resolution, between the parties to those agreements. No mediation arising out of or relating to this agreement shall include, by consolidation, joinder or in any other manner, an additional person or entity not a party to this agreement, except by written consent containing a specific reference to this agreement signed by Client, WTI and any other person or entity sought to be joined. Consent to mediation involving an additional person or entity duly consented to by the parties to this agreement shall be specifically enforceable in accordance with applicable law in any court having jurisdiction thereof.

Hazardous Materials

Client represents to WTI that to the best of Client's knowledge no hazardous or toxic substances within the meaning of any applicable statute or regulation are presently stored, or otherwise located, on the project site or adjacent thereto. Further, within the definition of such statutes or regulations, no part of the project site or adjacent real estate, including the ground water located thereon, is presently contaminated.

Existing Conditions

Inasmuch as the remodeling and/or rehabilitation of an existing site/structure requires that certain assumptions be made regarding existing conditions, and because some of these assumptions may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of the building, Client agrees, to fullest extent permitted by law, to indemnify and hold the design professional harmless from any claim, liability or cost (including reasonable attorney's fees and costs of defense) for injury or economic loss arising or allegedly arising out of the professional services provided under this agreement, excepting only those damages, liabilities or costs attributable to the sole negligence or willful misconduct of the design professional.

Termination

Either party may terminate the agreement for convenience after seven (7) days written notice of intent to terminate. Client shall be responsible for all costs and charges incurred up to the date of termination, including reasonable costs for WTI to close the work and organize files. WTI agrees not to charge for lost or anticipated profits on the work not completed and will provide copies of work files to Client upon receipt of final payment.



Fee for Professional Services

Fee

WTI professional services are offered for a stipulated lump sum and are contingent upon WTI Terms and Conditions.

Fee for Professional Services	
WTI	\$94,700.00 USD
Graef	\$95,000.00 USD
Total	\$189,700.00 USD

Fee Breakdown per Phase

Schematic Design.....	20%
Design Development	32%
Construction Documents.....	36%
Bidding & Negotiation	2%
Construction Administration	10%

Trips

WTI has included a total of up to the following number of trips to facilitate meetings and/or conduct site visits.

Design and Coordination Meetings.....	1
Construction Administration Site Visits.....	4

If additional trips are requested, WTI will charge \$2,400.00 USD per person per trip plus travel expenses, assuming one professional for one overnight stay.

Reimbursable Expenses

Project related expenses are reimbursable and are not included in the proposed fee. Reimbursable expenses include travel, swimming pool permit fees, express shipping, and printing. WTI estimates reimbursable expenses for the project scope will be in the range of \$4,900 to \$5,400 USD, not including permit fees if applicable.

Acknowledgement

This proposal will remain valid for a period of 90 days. Please provide the signature of an authorized representative on the line below indicating acceptance of the proposed scope and fee for professional services.

Water Technology, Inc.

Huron-Clinton Metropolitan Authority

Signature

Signature

Name / Title

Name / Title

Date

Date



WTI HOURLY RATES	
	Domestic
Principal/Director	\$200.00
Project Manager/Engineer	\$150.00
Creative Studio	\$130.00
Project Design	\$115.00
Mechanical Design	\$135.00
Technical Design	\$85.00
Administrative	\$60.00



collaborate / formulate / innovate

PROFESSIONAL SERVICES 2022 FEE SCHEDULE

CLASSIFICATION	RATE
Senior Group Manager (P9)	\$ 240.00
Group Manager (P8)	\$ 225.00
Senior Professional (P7)	\$ 210.00
Professional (P6)	\$ 200.00
Professional (P5)	\$ 189.00
Professional (P4)	\$ 174.00
Professional (P3)	\$ 159.00
Professional (P2)	\$ 142.00
Professional (P1)	\$ 126.00
Senior Technician/Inspector (T6)	\$ 163.00
Senior Technician/Inspector (T5)	\$ 152.00
Senior Technician/Inspector (T4)	\$ 140.00
Technician/Inspector (T3)	\$ 127.00
Technician/Inspector (T2)	\$ 110.00
Technician/Inspector (T1)	\$ 90.00
Survey Crew - 1 Person	\$ 167.00
Survey Crew - 2 Person	\$ 245.00
Administrative	\$ 86.00

Automobile travel will be billed at the current federal rate of 58.5 cents per mile.
 Survey vehicles will be billed at 75 cents per mile.
 LIDAR scanner will be billed at \$150/hour.
 Unmanned Aircraft System (UAS) will be billed at \$75/hour.
 Expenses such as travel and supplies will be billed at actual cost.
 Contracted services and consultants will be billed at cost plus 5 percent.





To: Board of Commissioners
From: Mike Henkel, Chief of Engineering Services
Project No: 506-21-499
Project Title: Iron Belle Trail North Extension
Project Type: Capital
Location: Lower Huron Metropark
Date: April 8, 2022

Bids Received: March 24, 2022

Action Requested: Motion to Approve

That the Board of Commissioners (1) award contract 506-21-499 to AL’s Asphalt Paving Company in the amount of \$749,277; and (2) approve the transfer of \$33,277 from fund balance to cover the cost of the project as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: Funding for the project is \$33,277 over budget. The project was budgeted at \$716,000. This is a grant project with \$300,000 eligible for reimbursement.

Scope of Work: The work includes constructing approximately 2600 feet of 10-foot wide asphalt pathway, ditching, pavement markings, culverts, earth excavation, retaining wall, soil erosion controls, cross walk, pavement markings, asphalt surfacing and site restoration.

Background: The project is part of the Iron Belle trail route. The project will enter at the entrance of Lower Huron Metropark continue along the park roadway and connect into the existing Metropark trails, which leads through Willow and Oakwoods Metropark.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Al’s Asphalt Paving Company DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Taylor	\$749,277.00
Gibraltar Construction Co. DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Trenton	803,373.45
DP Schwehofer Excavating DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	China	\$818,493.00
Best Asphalt DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Romulus	\$849,910.50
Erie Construction LLC DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Woodhaven	\$884,622.00

Budget amount for Contract Services

- Stony Creek Accessibility Paths \$716,000.00
- Fund Balance \$ 33,277.00
 - o Total \$749,277.00

Work Order Amount

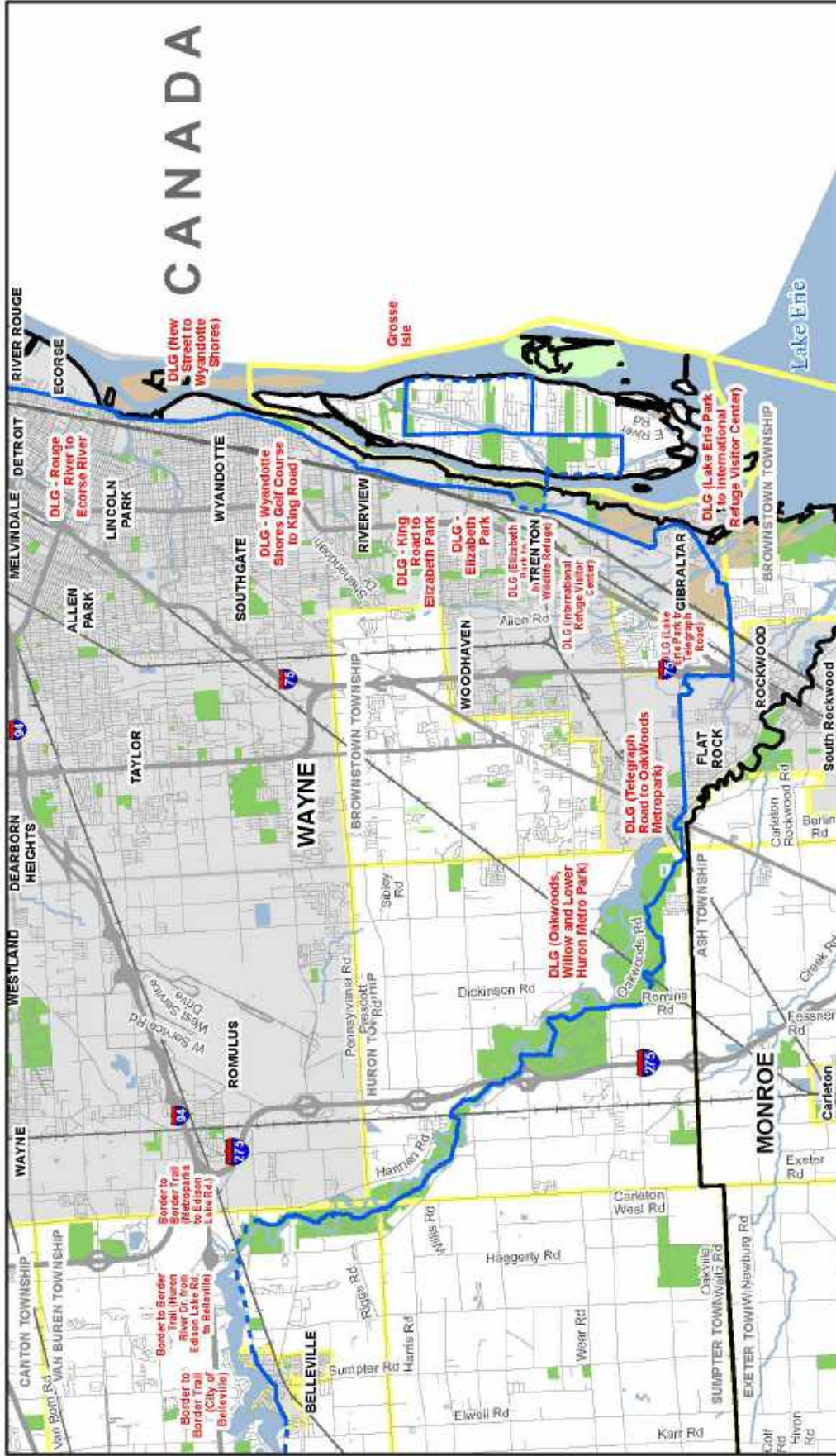
- Contract Amount – Al’s Asphalt Paving Company \$749,277.00
- Contract Administration \$ 30,000.00
- Total Proposed Work Order Amount \$779,277.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Construction Connect, Construction Market Data, Dodge Data & Analytics, Washtenaw Contractors Association, Construction News Corporation, Construction News Service, Construction Journal, HCMA Website.



Michigan's Iron Belle Trail - Two Routes, One Great Trail

Belleville - Border to Border Trail - Elizabeth Park - Grosse Ile - Ecorse



Iron Belle Trail

- Existing Hiking
- Proposed Hiking
- Highway
- Paved road
- Railroad

County

- River
- Lake
- State land
- Federal land
- Local parks
- City or Village
- Township

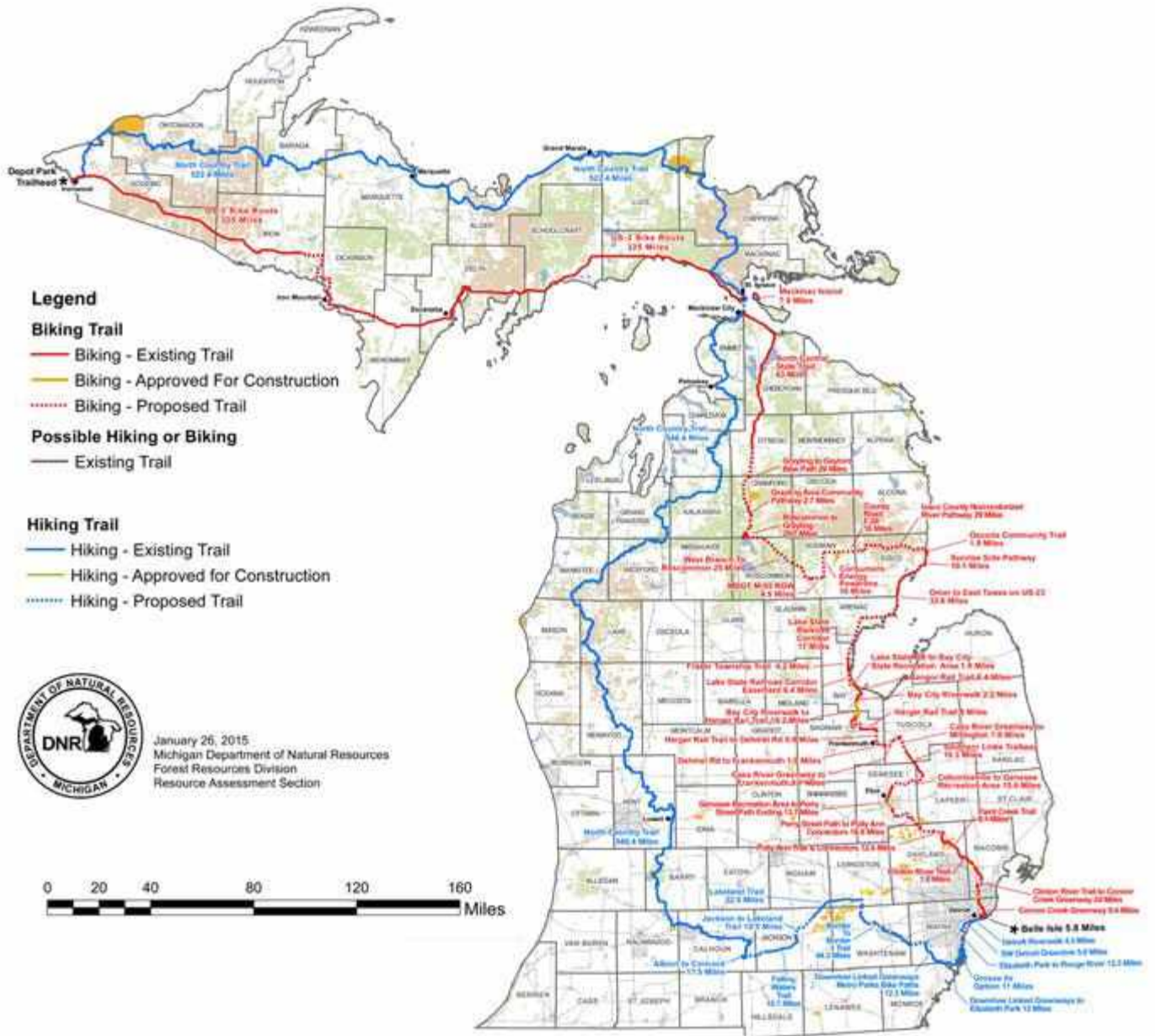
Scale: 0, 1.5, 3 Miles

Update d. 4/12/2021
Michigan Department of Natural Resources
Forest Resources Division
Resource Assessment Section

**** The illustrated hike and bicycle trail connections will rely upon partnership opportunities. ****

DRAFT - Michigan's Iron Belle Trail

Belle Isle to Ironwood





To: Board of Commissioners
 From: Mike Henkel, Chief of Engineering Services
 Project No: 704-22-376
 Project Title: Bids – Island Road Repairs
 Project Type: Major Maintenance
 Location: Kensington Metropark, Oakland County
 Date: April 8, 2022

Bids Received: March 22, 2022

Action Requested: Motion to Approve

That the Board of Commissioners award contract 704-22-376 to Asphalt Specialists, LLC. In the amount of \$395,065.00 as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: Funding for the project is \$42,935 under budget. The project was budgeted at \$438,000.

Scope of Work: The work includes roadway repairs to approximately 0.81 miles. The work includes edge removal, base material, patching, placement of a 2-inch asphalt overlay, and restoration.

Background: The existing roadway surface has failed, and work is necessary to maintain usability. Full reconstruction will be necessary in the future, which will require shoreline erosion control, culvert installation, widening, base material and surfacing.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Asphalt Specialists, LLC DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Pontiac	\$395,065.00
Nagle Paving Company DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Novi	\$417,325.00
True North Asphalt DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Madison Heights	\$420,913.0
Florence Cement Company DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Shelby Twp	\$441,415.31
T&M Asphalt Paving, Inc DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Milford	\$447,222.00
R&R Asphalt Inc DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Milford	\$466,337.00
Al's Asphalt Paving Company DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Taylor	\$485,334.00
Aja Paving DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Troy	\$494,719.30
Best Asphalt, Inc DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Romulus	\$498,325.42
Cadillac Asphalt LLC DEI <input type="checkbox"/> Local <input checked="" type="checkbox"/> Wage <input type="checkbox"/>	Wixom	\$529,925.00

Budget Amount for Contract Services	
- Island Road Repairs	\$438,000.00
Work Order Amount	
- Contract Asphalt Specialist LLC	\$395,065.00
- Contract Administration	<u>\$ 15,000.00</u>
o Total Proposed Work Order Amount	\$410,065.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Construction Connect, Construction Market Data, Dodge Data & Analytics, Washtenaw Contractors Association, Construction News Corporation, Construction News Service, Construction Journal, HCMA Website.

Project Location





To: Board of Commissioners
From: Mike Henkel, Chief of Engineering Services
Project No: 510-17-311
Project Title: Approval – Change Order, Willow Park Office
Project Type: Capital Improvement
Location: Willow Metropark
Date: April 8, 2022

Action Requested: Motion to Approve

That the Board of Commissioners (1) approve a change order to the construction of the new Willow Park Office contract 510-17-311 in the amount of \$49,090.04 to cover additional contract general conditions costs; and (2) transfer \$42,935 from the Kensington Unallocated account and \$ 6,155.04 from Fund Balance to cover the cost as recommended by Chief of Engineering Services Mike Henkel and staff.

Fiscal Impact: Funding for the additional \$49,090.04 cost is available from the Kensington Island Road project, which came in \$42,935 under budget and the remaining \$6,155.04 from Fund Balance.

Background: Due to delays in the electrical service connection and building supply chain issues, the project completion date has been extended. The original completion date was Nov. 15, 2021 the new target date for completion is May 25, 2022. As a result, the contractor has incurred added costs for personnel and equipment usage that were over and above the scheduled completion date. The costs being requested are for wages for the superintendent, project manager, porta potty services, extended bond coverage and electrical generator usage.

In discussions with Engineering staff, the contractor has reduced their ask from the original amount of \$54,363.25. As a result of the delay in getting permanent electrical service from DTE finished inside the building were not able to proceed until permanent heat could be established. In the meantime, the contractor continued to move the project forward with items that could be completed. Normally more that one trade would be completing tasks at the same time. However, due to challenges with the electrical service, COVID, sub-contractors, and supply chain complications the work proceeded at a slower rate than usual. Since utilities have now been established the rate of work has increased, which is the basis for the May 25, 2022 completion. Payment of the added general conditions costs would be based on the monthly amount as pay applications are submitted.

Attachment: Contractor Cost Request



To: Huron Clinton Metropolitan Authority
 13000 High Ridge Drive
 Brighton, MI

DATE: March 23, 2022

Attention: Mr. Kirk Walker

PCO #:

JOB	
Willow Metropark	
DESCRIPTION	PRICE
Extended GC's	
NACE GC's from 1/14/22 to 5/25/22 (4.5 months)	
*Based on 4.33 weeks per month	
Superintendent	\$ 8,660.00
Project Manager	\$ 1,503.00
Porta Potty	\$ 125.00
per month cost	\$ 10,288.00
Times 4.5 months =	\$ 46,296.00
Generator Usage for Month of January	
\$225 per day (based on 5 days a week)	
21 days @ \$225/day	\$ 4,725.00
*30% discount applied for monthly use	\$ (1,417.00)
Less est. Utility cost covered by Metropark	\$ (1,000.00)
Bond 1%	\$ 486.04
TOTAL	\$ 49,090.04

Time Delay:

NACE Signature:  Date: 3/23/2022

Owner Signature: _____ Date: _____

HURON-CLINTON METROPARKS MONTHLY STATISTICS

March, 2022

PARK	MONTHLY VEHICLE ENTRIES				MONTHLY TOLL REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	23,104	38,040	30,002	-23%	\$ 96,488	\$ 185,592	\$ 110,103	-12%
Wolcott Mill	3,287	4,304	2,680	23%	\$ 2,168	\$ 6,220	\$ 4,075	-47%
Stony Creek	26,435	48,308	37,564	-30%	\$ 136,998	\$ 286,998	\$ 198,493	-31%
Indian Springs	4,097	7,609	6,144	-33%	\$ 21,364	\$ 44,430	\$ 27,212	-21%
Kensington	45,171	79,794	63,206	-29%	\$ 175,644	\$ 376,554	\$ 257,607	-32%
Huron Meadows	4,066	6,886	5,133	-21%	\$ 1,229	\$ 1,814	\$ 1,361	-10%
Hudson Mills	16,172	24,660	19,291	-16%	\$ 46,589	\$ 66,283	\$ 45,103	3%
Lower Huron/Willow/Oakwoods	39,836	51,205	42,964	-7%	\$ 43,392	\$ 74,222	\$ 51,693	-16%
Lake Erie	11,776	17,071	14,179	-17%	\$ 45,520	\$ 76,796	\$ 59,024	-23%
Monthly TOTALS	173,944	277,877	221,163	-21%	\$ 569,392	\$ 1,118,909	\$ 754,671	-25%

PARK	Y-T-D VEHICLE ENTRIES				Y-T-D TOLL REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	65,779	87,417	66,154	-1%	\$ 296,736	\$ 401,702	\$ 253,386	17%
Wolcott Mill	8,209	8,921	5,876	40%	\$ 2,967	\$ 7,246	\$ 5,366	-45%
Stony Creek	68,362	111,354	80,463	-15%	\$ 379,715	\$ 634,187	\$ 441,832	-14%
Indian Springs	9,971	16,410	12,329	-19%	\$ 54,216	\$ 94,826	\$ 61,323	-12%
Kensington	120,455	179,183	140,688	-14%	\$ 498,641	\$ 857,885	\$ 575,724	-13%
Huron Meadows	18,861	25,547	16,582	14%	\$ 43,117	\$ 43,390	\$ 28,551	51%
Hudson Mills	37,951	54,922	40,922	-7%	\$ 104,888	\$ 156,615	\$ 109,965	-5%
Lower Huron/Willow/Oakwoods	98,588	118,045	101,073	-2%	\$ 115,285	\$ 166,218	\$ 122,435	-6%
Lake Erie	30,155	36,677	28,837	5%	\$ 126,012	\$ 171,241	\$ 134,554	-6%
Monthly TOTALS	458,331	638,476	492,922	-7%	\$ 1,621,577	\$ 2,533,310	\$ 1,733,135	-6%

PARK	MONTHLY PARK REVENUE				Y-T-D PARK REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	\$ 136,232	\$ 229,739	\$ 145,275	-6%	\$ 361,587	\$ 592,502	\$ 395,400	-9%
Wolcott Mill	\$ 11,331	\$ 28,880	\$ 18,176	-38%	\$ 24,866	\$ 38,714	\$ 38,948	-36%
Stony Creek	\$ 158,077	\$ 340,335	\$ 232,072	-32%	\$ 450,585	\$ 749,146	\$ 519,758	-13%
Indian Springs	\$ 35,859	\$ 68,080	\$ 37,094	-3%	\$ 93,837	\$ 129,219	\$ 85,393	10%
Kensington	\$ 244,860	\$ 445,130	\$ 307,063	-20%	\$ 670,026	\$ 1,035,576	\$ 698,268	-4%
Huron Meadows	\$ 5,463	\$ 18,279	\$ 8,545	-36%	\$ 107,100	\$ 112,003	\$ 66,303	62%
Hudson Mills	\$ 63,116	\$ 85,696	\$ 57,740	9%	\$ 130,561	\$ 180,920	\$ 130,232	0%
Lower Huron/Willow/Oakwoods	\$ 57,535	\$ 85,350	\$ 60,986	-6%	\$ 140,468	\$ 184,543	\$ 147,432	-5%
Lake Erie	\$ 61,971	\$ 107,189	\$ 76,532	-19%	\$ 143,017	\$ 203,109	\$ 154,900	-8%
Y-T-D TOTALS	\$ 774,443	\$ 1,408,678	\$ 943,484	-18%	\$ 2,122,047	\$ 3,225,733	\$ 2,236,634	-5%

District	Y-T-D Vehicle Entries by Management Unit				Y-T-D Total Revenue by Management Unit			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Eastern	142,350	207,692	152,493	-7%	837,038	1,380,362	954,107	-12%
Western	187,238	276,062	210,520	-11%	1,001,524	1,457,718	980,195	2%
Southern	128,743	154,722	129,909	-1%	283,485	387,652	302,332	-6%

HURON-CLINTON METROPARKS MONTHLY STATISTICS

March, 2022

GOLF THIS MONTH	MONTHLY ROUNDS				MONTHLY REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Stony Creek	0	636	212	-	\$ -	\$ 7,569	\$ 2,523	-
Indian Springs	0	494	165	-	\$ 387	\$ 15,374	\$ 5,131	-92%
Kensington	0	564	188	-	\$ -	\$ 12,688	\$ 4,229	-
Huron Meadows	0	319	106	-	\$ 183	\$ 13,065	\$ 4,355	-96%
Hudson Mills	0	205	68	-	\$ 104	\$ 7,953	\$ 2,651	-96%
Willow	0	306	102	-	\$ -	\$ 10,036	\$ 3,345	-
Lake Erie	0	287	96	-	\$ -	\$ 8,842	\$ 2,947	-
Total Regulation	0	2,811	937	-	\$ 674	\$ 75,527	\$ 25,182	-97%
LSC Par 3	0	0	0	-	\$ -	\$ -	\$ -	-
LSC Foot Golf	0	0	0	-	\$ -	\$ -	\$ -	-
Total Golf	0	2,811	937	-	\$ 674	\$ 75,527	\$ 25,182	-97%

GOLF Y-T-D	GOLF ROUNDS Y-T-D				GOLF REVENUE Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Stony Creek	0	636	212	-	\$ -	\$ 7,569	\$ 2,523	-
Indian Springs	0	494	165	-	\$ 387	\$ 15,374	\$ 5,131	-92%
Kensington	0	564	188	-	\$ -	\$ 12,688	\$ 4,229	-
Huron Meadows	0	319	106	-	\$ 183	\$ 13,766	\$ 4,589	-96%
Hudson Mills	0	205	68	-	\$ 104	\$ 8,071	\$ 2,690	-96%
Willow	0	306	102	-	\$ -	\$ 10,036	\$ 3,345	-
Lake Erie	0	287	96	-	\$ -	\$ 8,842	\$ 2,947	-
Total Regulation	0	2,811	937	-	\$ 674	\$ 76,346	\$ 25,455	-97%
LSC Par 3	0	0	0	-	\$ -	\$ -	\$ -	-
LSC Foot Golf	0	0	0	-	\$ -	\$ -	\$ -	-
Total Golf	0	2,811	937	-	\$ 674	\$ 76,346	\$ 25,455	-97%

AQUATICS THIS MONTH	PATRONS THIS MONTH				MONTHLY REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair	0	0	0	-	\$ -	\$ -	\$ 125	-
Stony Creek Rip Slide	0	0	0	-	\$ -	\$ -	\$ -	-
KMP Splash	0	0	0	-	\$ -	\$ -	\$ 467	-
Lower Huron	0	0	0	-	\$ -	\$ -	\$ -	-
Willow	0	0	0	-	\$ 200	\$ -	\$ -	-
Lake Erie	0	0	0	-	\$ -	\$ -	\$ 25	-
TOTALS	0	0	0	-	\$ 200	\$ -	\$ 617	-68%

AQUATICS Y-T-D	PATRONS Y-T-D				REVENUE Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair	0	0	0	-	\$ -	\$ -	\$ 125	-
Stony Creek Rip Slide	0	0	0	-	\$ -	\$ -	\$ -	-
KMP Splash	0	0	0	-	\$ -	\$ -	\$ 967	-
Lower Huron	0	0	0	-	\$ -	\$ -	\$ -	-
Willow	0	0	0	-	\$ 200	\$ -	\$ 67	200%
Lake Erie	0	0	0	-	\$ -	\$ -	\$ 25	-
TOTALS	0	0	0	-	\$ 200	\$ -	\$ 1,183	-83%

HURON-CLINTON METROPARKS MONTHLY STATISTICS

March, 2022

PARK	Seasonal Activities this Month				Monthly Revenue			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair								
Welsh Center	5	6	6	-21%	\$ 8,900	\$ 5,800	\$ 6,000	48%
Shelters	52	53	37	42%	\$ 12,455	\$ 1,060	\$ 5,253	137%
Boat Launches	0	89	30	-	\$ -	\$ -	\$ -	-
Marina	0	0	0	-	\$ 4,000	\$ -	\$ -	-
Mini-Golf	0	0	0	-	\$ -	\$ -	\$ -	-
Wolcott								
Activity Center	0	0	2	-	\$ 500	\$ 2,475	\$ 1,992	-75%
Stony Creek								
Disc Golf Daily	534	2,078	842	-37%	\$ 1,705	\$ 6,711	\$ 2,696	-37%
Disc Golf Annual	33	70	30	10%	\$ 1,980	\$ 4,100	\$ 1,767	12%
Total Disc Golf	567	2,148	872	-35%	\$ 3,685	\$ 10,811	\$ 4,463	-17%
Shelters	58	63	45	30%	\$ 12,938	\$ 14,075	\$ 10,050	29%
Boat Rental	0	0	0	-	\$ -	\$ -	\$ -	-
Boat Launches	34	41	20	73%	\$ -	\$ -	\$ -	-
Indian Springs								
Shelters	7	6	4	62%	\$ 1,300	\$ 1,075	\$ 692	88%
Event Room	3	3	2	80%	\$ 11,600	\$ 5,500	\$ 2,733	324%
Kensington								
Disc Golf Daily	737	2,771	1,546	-52%	\$ 2,315	\$ 12,793	\$ 6,131	-62%
Disc Golf Annual	78	83	56	40%	\$ 4,520	\$ 4,900	\$ 3,300	37%
Total Disc Golf	815	2,854	1,602	-49%	\$ 6,835	\$ 17,693	\$ 9,431	-28%
Shelters	53	65	51	5%	\$ 11,500	\$ 13,725	\$ 10,950	5%
Boat Rental	0	0	0	-	\$ -	\$ -	\$ -	-
Huron Meadows								
Shelters	8	4	3	200%	\$ 1,600	\$ 700	\$ 467	243%
Hudson Mills								
Disc Golf Daily	727	947	519	40%	\$ 2,181	\$ 2,841	\$ 1,558	40%
Disc Golf Annual	33	31	29	13%	\$ 1,920	\$ 1,840	\$ 1,727	11%
Total Disc Golf	760	978	549	39%	\$ 4,101	\$ 4,681	\$ 3,285	25%
Shelters	10	19	10	0%	\$ 2,000	\$ 3,500	\$ 1,850	8%
Canoe Rental	0	0	0	-	\$ -	\$ -	\$ -	-
Lower Huron / Willow / Oakwoods								
Disc Golf Daily	26	215	113	-77%	\$ 78	\$ 645	\$ 338	-77%
Disc Golf Annual	2	4	2	-14%	\$ 80	\$ 220	\$ 127	-37%
Total Disc Golf	28	219	115	-76%	\$ 158	\$ 865	\$ 465	-66%
Shelters	23	31	24	-5%	\$ 9,725	\$ 6,850	\$ 5,333	82%
Lake Erie								
Shelters	6	6	8	-25%	\$ 1,400	\$ 1,400	\$ 1,133	24%
Boat Launches	209	720	141	48%	\$ -	\$ -	\$ -	-
Marina	0	0	0	-	\$ 14,219	\$ 19,948	\$ 13,149	8%

HURON-CLINTON METROPARKS MONTHLY STATISTICS

March, 2022

PARK	Seasonal Activities Y-T-D				Seasonal Revenue Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair								
Welsh Center	9	14	17	-48%	\$ 22,000	\$ 21,550	\$ 18,325	20%
Shelters	81	75	70	16%	\$ 22,197	\$ 7,410	\$ 14,403	54%
Boat Launches	0	134	45	-	\$ -	\$ -	\$ -	-
Marina	0	0	0	-	\$ 4,000	\$ -	\$ -	-
Mini-Golf	0	0	0	-	\$ -	\$ -	\$ -	-
Wolcott								
Activity Center	4	0	8	-48%	\$ 3,880	\$ 2,975	\$ 4,492	-14%
Stony Creek								
Disc Golf Daily	534	2,246	898	-41%	\$ 1,705	\$ 7,229	\$ 2,874	-41%
Disc Annual	40	76	43	-7%	\$ 2,400	\$ 4,460	\$ 2,440	-2%
Total Disc Golf	574	2,322	941	-39%	\$ 4,105	\$ 11,689	\$ 5,314	-23%
Shelters	113	93	83	37%	\$ 25,313	\$ 20,975	\$ 18,650	36%
Boat Rental	0	0	0	-	\$ -	\$ -	\$ -	-
Boat Launches	65	94	45	43%	\$ -	\$ -	\$ -	-
Indian Springs								
Shelters	16	7	9	85%	\$ 3,100	\$ 1,275	\$ 1,488	108%
Event Room	11	9	8	38%	\$ 34,350	\$ 15,900	\$ 14,267	141%
Kensington								
Disc Daily	911	3,671	1,929	-53%	\$ 2,825	\$ 15,493	\$ 7,280	-61%
Disc Annual	89	150	101	-12%	\$ 5,180	\$ 8,820	\$ 5,947	-13%
Total Disc Golf	1,000	3,821	2,030	-51%	\$ 8,005	\$ 24,313	\$ 13,227	-39%
Shelters	114	103	111	3%	\$ 24,913	\$ 22,275	\$ 24,375	2%
Boat Rental	0	0	0	-	\$ -	\$ -	\$ -	-
Huron Meadows								
Shelters	14	8	9	62%	\$ 2,800	\$ 1,500	\$ 1,633	71%
Hudson Mills								
Disc Golf Daily	877	1,340	780	12%	\$ 2,631	\$ 4,020	\$ 2,341	12%
Disc Annual	56	57	64	-13%	\$ 3,240	\$ 3,360	\$ 3,760	-14%
Total Disc Golf	933	1,397	845	10%	\$ 5,871	\$ 7,380	\$ 6,101	-4%
Shelters	28	22	15	83%	\$ 5,400	\$ 4,100	\$ 2,917	85%
Canoe Rental	0	0	0	-	\$ -	\$ -	\$ -	-
Lower Huron / Willow / Oakwoods								
Disc Golf Daily	48	409	235	-80%	\$ 444	\$ 1,227	\$ 704	-37%
Disc Annual	6	7	6	-5%	\$ 300	\$ 400	\$ 367	-18%
Total Disc Golf	54	416	241	-78%	\$ 744	\$ 1,627	\$ 1,071	-31%
Shelters	65	50	62	5%	\$ 18,750	\$ 11,200	\$ 13,508	39%
Lake Erie								
Shelters	6	8	13	-54%	\$ 1,400	\$ 1,800	\$ 2,900	-52%
Boat Launches	209	960	1,069	-80%	\$ -	\$ -	\$ -	-
Marina	0	0	0	-	\$ 14,219	\$ 20,014	\$ 13,338	7%

PARK	Cross Country Ski Rental this Month				Cross Country Ski Rental Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Stony Creek	\$ -	\$ -	\$ -	-	\$ 11,691	\$ 17,305	\$ 7,733	51%
Kensington	\$ -	\$ -	\$ -	-	\$ 16,698	\$ 15,812	\$ 10,296	62%
Huron Meadows	\$ 2,871	\$ 1,998	\$ 2,128	35%	\$ 60,534	\$ 53,486	\$ 31,628	91%
Hudson Mills	\$ -	\$ -	\$ 58	-	\$ -	\$ 90	\$ 1,679	-

PARK	Winter Sports this Month				Winter Sports Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair								
XC Skiers	0	0	0	-	83	30	10	730%
Ice Skaters	0	0	1	-	343	481	212	62%
Sledders	0	0	1	-	883	636	264	234%
Ice Fishermen	325	225	511	-36%	5,275	2,251	2,108	150%
Stony Creek								
XC Skiers	0	0	0	-	1,106	3,198	1,387	-20%
Ice Skaters	0	0	0	-	24	93	50	-52%
Sledders	0	0	0	-	999	3,735	2,022	-51%
Ice Fishermen	25	0	22	14%	358	425	279	28%
Indian Springs								
XC Skiers	0	0	0	-	145	258	127	14%
Sledders	0	0	0	-	828	846	404	105%
Kensington								
XC Skiers	0	0	0	-	1,641	1,868	1,374	19%
Ice Skaters	0	0	0	-	74	8	6	1133%
Sledders	0	0	0	-	4,179	7,694	3,820	9%
Ice Fishermen	0	0	0	-	255	247	101	152%
Huron Meadows								
XC Skiers	432	390	364	19%	7,201	7,305	4,600	57%
Ice Fishermen	0	0	0	-	0	0	0	-
Hudson Mills								
XC Skiers	0	0	17	-	585	1,170	838	-30%
Willow								
XC Skiers	0	0	0	-	68	67	30	129%
Sledders	0	0	0	-	3,016	1,936	753	301%
Lake Erie								
XC Skiers	0	0	0	-	25	3	5	369%
Sledders	0	0	0	-	193	94	39	399%
Ice Fishing	307	0	237	29%	5,453	941	894	510%

INTERPRETIVE FACILITIES								
PARK	Monthly Patrons Served				YTD Patrons Served			
	(total program participants and non-program visitors)				(total program participants and non-program visitors)			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	7,579	8,961	8,599	-12%	21,100	22,865	22,772	-7%
Wolcott Mill	2,332	6,438	3,315	-30%	4,585	12,762	6,793	-33%
Wolcott Farm	2,247	4,705	2,571	-13%	4,222	7,792	5,043	-16%
Stony Creek	11,049	11,284	11,290	-2%	27,658	30,642	30,066	-8%
Eastern Mobile Center	272	0	166	64%	478	132	561	-15%
Indian Springs	3,208	4,907	4,311	-26%	6,892	9,119	8,653	-20%
Kens NC	24,786	42,876	33,689	-26%	66,333	93,556	75,867	-13%
Kens Farm	20,819	34,076	21,339	-2%	41,065	55,672	41,556	-1%
Western Mobile Center	1,068	175	558	91%	1,614	655	1,408	15%
Hudson Mills	4,489	3,355	3,537	27%	9,532	8,502	8,615	11%
Oakwoods	9,349	10,277	10,157	-8%	28,949	31,665	29,794	-3%
Lake Erie	12,039	16,270	13,860	-13%	37,401	43,997	37,698	-1%
Southern Mobile Center	1,624	551	866	88%	3,021	1,426	2,119	43%
Totals	100,861	143,875	114,256	-12%	252,850	318,785	270,945	-7%

PARK	Monthly Revenue				YTD Revenue			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	\$ 2,168	\$ 554	\$ 669	224%	\$ 2,576	\$ 716	\$ 4,037	-36%
Wolcott Mill	\$ -	\$ 2,902	\$ 1,985	-	\$ -	\$ 3,192	\$ 2,092	-
Wolcott Farm	\$ 2,137	\$ 802	\$ 1,797	19%	\$ 2,518	\$ 856	\$ 2,408	5%
Wagon Rides	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	-
Livestock/Produce	\$ 1,393	\$ 4,427	\$ 2,482	-44%	\$ 9,194	\$ 9,503	\$ 14,799	-38%
FARM TOTAL	\$ 3,530	\$ 5,229	\$ 4,279	-18%	\$ 11,712	\$ 10,359	\$ 17,206	-32%
Stony Creek	\$ 4,457	\$ 1,212	\$ 1,385	222%	\$ 5,856	\$ 1,670	\$ 3,571	64%
Eastern Mobile Center	\$ -	\$ -	\$ 704	-	\$ 500	\$ -	\$ 1,975	-75%
Indian Springs	\$ 1,208	\$ 1,701	\$ 1,327	-9%	\$ 1,738	\$ 1,844	\$ 3,184	-45%
Kens NC	\$ 1,299	\$ 79	\$ 1,130	15%	\$ 2,166	\$ 957	\$ 3,489	-38%
Kens Farm	\$ 18,842	\$ 14,653	\$ 11,436	65%	\$ 22,787	\$ 17,371	\$ 15,692	45%
Wagon Rides	\$ 838	\$ -	\$ 639	31%	\$ 2,035	\$ 50	\$ 1,597	27%
Livestock/Produce	\$ 1,040	\$ -	\$ 40	2501%	\$ 1,746	\$ -	\$ 272	543%
FARM TOTAL	\$ 20,721	\$ 14,653	\$ 12,114	71%	\$ 26,568	\$ 17,421	\$ 17,561	51%
Western Mobile Center	\$ 1,266	\$ -	\$ 1,746	-28%	\$ 1,886	\$ -	\$ 4,213	-55%
Hudson Mills	\$ 6,235	\$ 4,252	\$ 3,154	98%	\$ 7,185	\$ 4,777	\$ 3,582	101%
Oakwoods	\$ 778	\$ 896	\$ 1,047	-26%	\$ 1,250	\$ 1,834	\$ 2,212	-44%
Lake Erie	\$ 832	\$ 203	\$ 310	169%	\$ 1,387	\$ 1,212	\$ 1,180	18%
Southern Mobile Center	\$ -	\$ -	\$ 1,061	-	\$ -	\$ -	\$ 3,009	-
Totals	\$ 42,493	\$ 31,681	\$ 30,911	37%	\$ 62,822	\$ 43,982	\$ 67,312	-7%

BREAKDOWN OF ATTENDANCE	ON-SITE Programs and Attendance				OFF-SITE Programs and Attendance			
	CURRENT YEAR		PREVIOUS YEAR		CURRENT YEAR		PREVIOUS YEAR	
	Programs	Attendance	Programs	Attendance	Programs	Attendance	Programs	Attendance
Lake St Clair	18	317	17	211	-	-	-	-
Wolcott Mill	27	403	9	786	-	-	-	-
Wolcott Farm	-	-	1	100	-	-	-	-
Stony Creek	50	1,549	31	784	-	-	-	-
Eastern Mobile Center					12	272	-	-
Indian Springs	5	100	25	323	-	-	-	-
Kens NC	34	486	30	543	2	60	-	-
Kens Farm	166	3,383	199	6,170	-	-	-	-
Western Mobile Center					45	1,068	12	175
Hudson Mills	52	989	38	855	-	-	-	-
Oakwoods	13	303	14	236	1	26	2	41
Lake Erie	17	181	10	60	2	46	-	-
Southern Mobile Center					33	1,606	14	551
Totals	382	7,711	374	10,068	95	3,078	28	767

BREAKDOWN OF ATTENDANCE	OTHER VISITORS (Non-programs)	
	Current	Previous
Lake St Clair	7,262	8,750
Wolcott Mill	1,929	5,652
Wolcott Farm	2,247	4,605
Stony Creek	9,500	10,500
Indian Springs	3,108	4,584
Kens NC	24,240	42,333
Kens Farm	17,436	27,906
Hudson Mills	3,500	2,500
Oakwoods	9,020	10,000
Lake Erie	11,812	16,210
Totals	90,054	133,040

"ON-SITE" - Statistics includes both programs offered to the public and programs offered to school and scout groups.

"OFF-SITE" - Statistics includes outreach programs at schools, special events such as local fairs, or outdoor related trade shows.

"OTHER VISITORS" - Represents patrons to interpretive centers who visit to view exhibits, walk trails, and generally just enjoy the outdoors.