

Q2 2023



COMPLETED



William A. Demmer Engineering Center

EAST LANSING, MI

A new \$4 million, one-story facility has been constructed for Michigan State University engineering students to utilize as an open shop area! Located near the corner of Farm Lane and Mount Hope roads, the new 10,000 square foot Demmer Engineering Center allows for easier collaboration between students, increased accessibility, and offers quality resources to innovate and connect.

ROWE performed topographic survey and civil site design for the building. Site design included proposed utilities, concrete sidewalk, concrete curb and gutter, HMA driveways and parking areas.

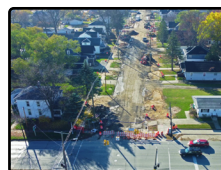
FACILITY FEATURES on pg. 6

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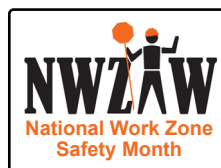
mParks Award - Bluegill Boat Launch

The Bluegill Boat Launch is located near a two and a half mile stretch of trails next to the Mott Lake shoreline, which allows for bikers and walkers to enjoy the scenery.



Wenona Reconstruction Phase II

Started in 2022 and planned to be completed in 2023, ROWE is providing full construction engineering, inspection, survey staking, and digital record drawings for Phase II.



National Work Zone Safety Month

Work Zone Safety reminds all drivers to watch out for state department of transportation (DOT) and private sector employees who work within inches of their vehicles.



LANDSCAPE

ARCHITECTURE MONTH



From creating spaces for family and friends to make memories to designing sustainable improvements in our environment, landscape architects play a vital role in our communities. Join us in celebrating them and stay tuned for a look into some of our recent projects in Q3!



CONSTRUCTION SEASON BEGINS



A MESSAGE FROM OUR CEO

Leanne H. Panduren, PE, Principal, President

Spring may have finally arrived in Michigan! It's easy to tell because all the reflective flowers have sprouted on our highways and local streets too. For ROWE, this means it is also the time of year when we welcome a lot of new faces over a short period of time. While we are continuously bringing on new team members, May and June generally see the heaviest volume with brand new graduates and our summer interns joining our offices. We are lucky to often have interns return for multiple summers and then upon graduation in their career program, transition to full-time staff. In May, we will be rolling out an updated onboarding process. We are focusing more on spreading the multitude of "new things" over the first week of their employment and initiating longer-term training and development plans varying by position.

One thing that is not changing is our commitment to and focus on safety training for all current and new team members. Because most of our staff will spend at least some time in field situations, around 20 hours of training are undergone each year (approximately 40 separate courses) on a variety of issues which may be encountered in the field, in our offices or in client facilities. For new team members, this training must be completed before field assignments can begin. We strive to uphold a culture of safety that focuses on being aware of your surroundings and taking all precautions necessary to be safe, understanding your own actions may not always be what puts you in jeopardy.

Please remember that everyone doing their job in those work zones also have families they want to get home to at the end of the day, to-do lists to get checked off, and jobs to be completed. Slow down and consider that one moment of distraction on your part can have devastating effects on you and those around you. The inconvenience of driving a little slower or following directed routes is insignificant when faced with the number of injuries and fatalities that occur in work zones every year.

Hello  Spring

2023 ACEC MICHIGAN Awards

March 11, 2023 | Grand Rapids, MI

Thank you to the American Council of Engineering Companies of Michigan (ACEC/M) for the honor.

EMINENT CONCEPTOR AWARD

I-69/I-475 Interchange - Bergmann

Our construction engineering team collaborated with MDOT and the design team throughout construction to make sure design revisions were handled pro-actively to keep the Contractor progressing on schedule.

SURVEY MERIT AWARD

Memorial Healthcare Neuro Wellness

Located in the City of Owosso, the Memorial Healthcare Neuro / Ortho / Wellness Center was developed to expand healthcare services to the surrounding community.

FELIX A. ANDERSON IMAGE AWARD

William (Bill) J. Winiarski, PE, PS

Winiarski joined Rowe Engineering, now ROWE Professional Services Company, in 1971 where he spent his entire career until his retirement in 2008. He spent 11 years as CEO of the firm and was instrumental in implementing a number of changes within the company that have positioned ROWE as one of the leading firms in the industry. Winiarski's former colleagues emphasized he didn't just tell people what to do, he showed them how to do it, and was always willing to listen to opposing points of view.





WILLIAM A. DEMMER ENGINEERING CENTER

📍 Located near the corner of
Farm Lane and Mount Hope Road

» FACILITY FEATURES

- Machine shop for hands-on design and building
- Fabrication area for using tools
- Composite room for lay-up and molding of custom parts
- Computer numerical control
- Dynamometer space
- Ventilated chamber for composite materials work
- Dedicated conference space for collaboration
- Testing area for performance analysis, tolerances, and vehicle aerodynamics
- Manager's office
- Plotters, 3D printers, and other equipment





BAY CITY, MI WENONA AVENUE *Phase II*

Started in 2022 and planned to be completed in 2023, ROWE is providing full construction engineering, inspection, survey staking, and digital record drawings for Phase II of the Wenona Avenue Reconstruction project in Bay City, MI, between Fisher Street and North Union Street.

This project is part of MDOT's local agency program and is a 0.99-mile roadway reconstruction, with a new hot mix asphalt roadway and all new concrete curb, sidewalk, ADA ramps, and driveways. The project also includes new watermain, sanitary sewer leads, and additional storm sewers to assist with drainage for the corridor. The project will conclude with turf establishment, new roadway signs, and permanent pavement markings. This is the final year of the multi-phase local road reconstruction of Wenona Avenue between Ionia Avenue and North Union Street.

We are excited to continue working with Bay City's Engineering, Water, Sewer, and Electric, Light, and Power departments this year and beyond.




2023



2022 WENONA AVENUE - FROM FISHER STREET TO THOMAS STREET



MPARKS AWARD BLUEGILL BOAT LAUNCH

 The Bluegill Boat Launch is located near a two and a half mile stretch of trails next to the Mott Lake shoreline



New accessible features allow everyone to enjoy the river 



With an estimated population of **404,208**, Genesee County is the **5th** largest county in Michigan. There are **22** parks located within Genesee County with beaches, playgrounds, campgrounds, boat ramps, boat launches, man-made waterfalls, nature preserves, off-road vehicle recreation areas, and an equestrian center.

For this project, a new kayak launch with an accessible design was constructed to provide barrier-free access to the Flint River Water

Trail. The Bluegill Boat Launch is located near a two and a half mile stretch of trails next to the Mott Lake shoreline, which allows for bikers and walkers to enjoy the scenery as well.

Funded by Michigan Department of Natural Resources Trust Fund grants, a total of **\$320,000** was budgeted for improvements to Bluebell Beach with approximately **\$70,000** being used for the Bluegill Boat Launch project. The new universally accessible kayak launch, operated by Genesee County Parks and

Recreation, is home to a unique automated kayak service. RentFun allows for easy kayak rentals and runs on solar energy. Maintained weekly by the vendor, this new service provides recreation equipment with low capital costs and no maintenance or staffing commitment.

ROWE Professional Services Company provided survey, site design including wayfinding signage, landscaping, and construction assistance for the launch. The site location was key to the project success. It included

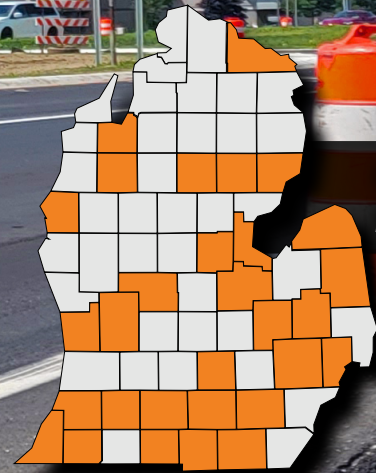
the addition of an accessible parking area and route to a new universally accessible launch as an expansion to an existing boat ramp and parking lot. These changes allow for an increase in accessibility at a key point along the state designated Flint River Water Trail and Flint River Bike Trail. The automated rental maximizes the location and provides spontaneous inclusion with other boaters and recreational patrons such as bike riders who want to take a break and paddle on Mott Lake.

WORK ZONE SAFETY AWARENESS MONTH



TIPS FOR SAFE TRAVELS

- PLAN YOUR TRIP
- OBEY FLAGGERS
- DOUBLE YOUR FOLLOWING DISTANCE
- PROCEED CAUTIOUSLY



COUNTIES WHERE TRAFFIC FATALITIES INCREASED

Data from 2021

WORK ZONE FAST FACTS



- The highest number of Michigan work zone crashes occur when lanes are closed.
- Speeding is the leading cause of fatal work zone crashes.

5,814 Crashes

PENALTIES & FINES

20 Fatalities

1,451 Injuries



Fines are **doubled** for speeding in work zones.

Up to **\$7,500 and 15 years** for injuries/fatalities in a work zone.



Don't tailgate other vehicles



Watch for brake lights

Data from 2021

5

TYPES OF TAPERS FOR CHANGING TRAFFIC PATTERNS



FLAGGING

When one lane of two-way, two-lane traffic is closed, and flaggers are controlling the flow of traffic.



SHIFTING

When traffic shifts laterally to accommodate a work zone, but the number of lanes open to traffic remains the same.



MERGING

When a lane is closed and vehicles in that lane must merge with traffic in an adjacent lane.



SHOULDER

When the shoulder is closed.



TERMINATION

The point where traffic flows back to the normal traffic path.

Michigan Department of Environment, Great Lakes, and Energy (EGLE) State Revolving Funds (SRF)

ROWE assists communities with the development of projects based on needs or Capital Improvement Plans (CIP) for both the Clean Water State Revolving Fund (CWSRF) or Drink Water State Revolving Fund (DWSRF) through EGLE. This includes:

- Assisting communities with communication with EGLE
- Administratively completing application for community to submit
- Developing project plan as part of application
- Working with community to answer questions and achieve funding
- Developing construction plans and assisting community with funding paperwork

The project plan describes the project and lists alternatives that will achieve the desired improvements, along with their associated costs. The most cost-effective alternative is selected as the preferred alternative. Next, the plan will outline any environmental concerns including any ecological and social impacts of the chosen project which includes impacts on the land, vegetation, and wildlife and impacts on residents from an economic and needs standpoint.

The project plan and application need to be advertised for a 15-day public comment period to move forward with gathering approval from the governing authority and submitting to EGLE. Once approved and submitted, EGLE reviews the documentation and scores the application based on community needs and potential improvements to the environment. The community is awarded funding based on the project rank and the amount of money available in any given year.

To receive funding, the project information must emphasize the need for the improvements and receive a high overall score. This funding may be the only barrier preventing sewer or water projects from moving forward. These projects can increase service, quality of life, and provide new and improved infrastructure opportunities. In the long-term, the community will save money from a maintenance perspective along with other factors.



FY2026 Bridge Funding Applications The Michigan Department of Transportation (MDOT)

The Local Bridge Program has an estimated budget of \$122,000,000, which includes \$72,000,000 of additional Bipartisan Infrastructure Law (BIL) funding for fiscal year 2026. These Local Agency Program (LAP) funds can be used for replacement, rehabilitation, or preventive maintenance work on any structures that have a span length of 20 feet or more. Bridge owners are responsible for five percent

of the construction cost, along with all right-of-way, design engineering, and construction engineering fees.



Based on the condition of our client's bridges and the work recommendations of the last bridge inspection report, the ROWE team makes a recommendation determining if submitting a funding application will be beneficial. From there, ROWE prepares the bridge funding applications and estimates for submittal to MDOT. Bridge owners can submit up to four total applications. This year, ROWE prepared a total of 14 applications for the following clients.

- City of Marshall
- City of Linden
- City of Flint
- Lapeer County Road Commission
- Shiawassee County Road Commission



NEW HIRES

- Emily K. Gallagher - Talent Acquisition Specialist
- Laurie E. Yaklin, PHR - Human Resources Manager
- Reid A. Plamondon - Survey Office Technician I
- Kristina M. Bonness - Graduate Engineer
- Felicia Koki - Graduate Engineer
- David W. Suszko - Engineering Technician II
- Todd I. Winkle - Senior Engineering Technician
- Kevin McReynolds - Senior Engineer
- Heaven L. Hinkle - Senior Engineering Technician
- Jordan M. Slobodian - Engineering Technician II
- Andrew W. Harris - Engineering Technician I
- Jacqueline Y. Pethers - Senior Project Manager

REHIRES

- Gregory S. Meinburg - Engineering Technician III
- Dean M. Welte - Project Administrator
- Shane A. Bowman - Engineering Technician III



ACHIEVEMENTS

PASSED PS EXAM

- Bobby A. Church, PS
- Michael K. Flowers, PS
- Forrest W. Grenat, PS

PASSED aPHR EXAM

- Christina A. Killinger, aPHR

FUN FACTS

ESTABLISHED

1962

PROFESSIONALS

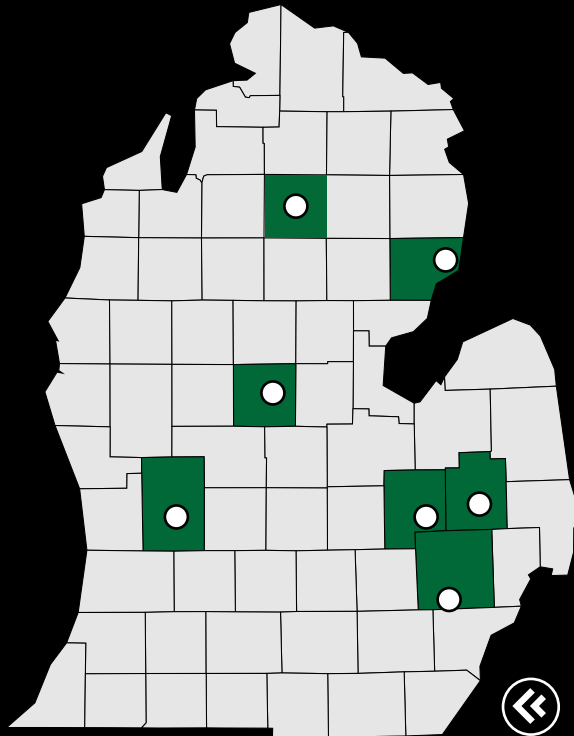
220+

LOCATIONS

8

ENR TOP 500

#413



◀ MICHIGAN



SOUTH CAROLINA ▼

Flint, MI

540 S. Saginaw Street, Suite 200
Flint, MI 48502
(810) 341-7500

Lapeer, MI

128 N. Saginaw Street
Lapeer, MI 48446
(810) 664-9411

Kentwood, MI

4345 44th Street SE
Kentwood, MI 49512
(616) 272-7125

Farmington Hills, MI

27280 Haggerty Road, Suite C-2
Farmington Hills, MI 48331
(248) 675-1096

Mt. Pleasant, MI

127 S. Main Street
Mt. Pleasant, MI 48858
(989) 772-2138

Grayling, MI

2342 Industrial Street, Suite A
Grayling, MI 49738
(989) 348-4036

Oscoda, MI

212 N. State Street
Oscoda, MI 48750
(800) 837-9131

Myrtle Beach, SC

6009 Kings Hwy
Myrtle Beach, SC 29577
(843) 444-1020