



Staff Updates

Engineers and Surveyors Further Their Education

- Principal / Vice President / Special Services Division Manager Kent B. Alexander, PE, earned his Professional Engineer license in Tennessee.
- Survey Project Coordinator James J. Fink, PLS, earned his Professional Land Surveyor licenses in Kentucky and Texas.
- Project Engineer Stacie A. Tewari, PE, LEED® AP, earned her Professional Engineer license in South Carolina.
- Project Engineer John L. Welch, II, PE, earned his Professional Engineer license in Wisconsin.
- Project Surveyor Jonathan H. Rick, PS, CFedS, earned his Professional Surveyor license in Illinois.
- Project Engineer Jon C. Ward, PE, earned his Professional Engineer license in Ohio.

Two Staff Promoted

- Cole A. Sorenson, LSIT, has been promoted from graduate surveyor to assistant project surveyor.
- Kyle R. Friske, EIT, has been promoted from graduate engineer to assistant project engineer.



Brown

Surveying Director Honored for Supporting Industry

Principal / Vice President / Director of Surveying Paul N. Brown, PS, received the Michigan Society of Professional Surveyors 2010 Member of the Year Award at a banquet in February. As a separate recognition, in April he was inducted as an honorary member into Ferris State University's Lambda Sigma Chapter, which is comprised of surveying and engineering students.



Matonich

CEO Appointed to Industry Advisory Council

President and CEO John D. Matonich, PS, has been appointed to a three-year term on the Industry Advisory Council (IAC) of the Accreditation Board for Engineering and Technology, Inc. (ABET). The IAC provides a forum for leaders representing a cross-section of industry, to exchange views with ABET and each other on common issues relating to quality assurance and the continuous improvement of engineering, technology, computing, and applied science education.



To receive newsletters via email, visit rowepssc.com or email newsletter@rowepssc.com.

Comments are welcome and can be addressed to: Director of Corporate Marketing Jack Wheatley, PE, at jwheatley@rowepssc.com

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Flooded to Fabulous: ROWE Oversees Restoration of McCree Building

When the McCree Courts and Human Services Building in Flint, Michigan suffered flooding due to a water main break on September 6, 2010, Genesee County turned to ROWE to manage the \$1 million restoration project.

The extensive damage was due to a break in the eight-inch water main that feeds the building's fire suppression sprinkler system. The break, which occurred underground, compromised several foundations, as well as destroyed more than 100,000 square feet of offices and courtrooms.

ROWE's responsibilities included contract management, scheduling, subcontracting the architectural services, bidding, budgeting, inspections, material testing, and daily progress reviews. The county also chose to renovate approximately 25 percent of the damaged space to consolidate county services.

ROWE worked closely with E&L Construction, the general contractor, to fast-track the project and minimize disruption to county services. ROWE also worked closely with the insurance adjuster to expedite the insurance claim. The building reopened in February.



The restoration project, including this courtroom, required the replacement of drywall, carpet, and millwork damaged by the flood.



The Sky's the Limit for Myrtle Beach Survey Project

ROWE's Myrtle Beach, South Carolina survey staff spent two months this winter working on the construction layout for the foundation of the largest SkyWheel east of the Mississippi River. SkyWheel Myrtle Beach stands 200 feet above sea level and has 42 climate-controlled enclosed gondolas that can seat six people each.

The precision work ROWE is known for shows in this project, as the anchor bolts had to be

A worker lines up the 1 1/4-inch diameter anchor bolts.



SkyWheel Myrtle Beach opened on May 20.

placed in the concrete foundation within 1/32 of an inch of accuracy. The SkyWheel, located at the Oceanfront Boardwalk and Promenade, is designed to withstand a Category 5 hurricane and a 7.0 magnitude earthquake. ROWE is excited to be a part of making the assembly of this unique attraction possible and we are sure it will be enjoyed by many.

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Communication was Key to Smooth Morrish Road Project

A stretch of Morrish Road is now improved after ROWE assisted the City of Swartz Creek, Michigan with accomplishing the difficult task of coordinating the project with two government organizations and a private company.

Last year, ROWE completed the design and construction administration of road widening, including curb and gutter and storm sewer, on 2,200 feet of Morrish Road, from I-69 to Bristol Road. Part of the project was in the City of Swartz Creek and qualified for Michigan Department of Transportation (MDOT) Local Agency Program funds, but part of the project was in the jurisdiction of the Genesee County Road Commission and did not qualify for the funding. Therefore, the project was separated into two contracts. With the I-69/Morrish Road interchange located in the project area, working with MDOT was also necessary.

Included in all of the updates and meetings was the Meijer Corporation, which initiated and partially funded the project due to its planned construction of a store on the road. Along with the need for an additional lane, a segment of the road was lowered to increase sight distance for drivers at the Bristol/Morrish Roads intersection.



Before



After

Playscape Helps Children Learn About Michigan's Natural Resources



ROWE developed the concepts and a grant application for the award-winning Kellogg Access to Recreation Grant-funded Paradise Peninsula Playscape. It opened in the fall at Waterford Oaks Park, which is part of the Oakland County Parks and Recreation system. The universally-accessible playscape features activities based on Michigan's natural resources.

No Slope Too Steep nor Budget Too Small

For the past four years, ROWE Landscape Architecture Intern Kevin Krogulecki has researched green roof designs, including how to make green roofs work on steep slopes. Krogulecki is pursuing a master's degree in environmental design from Michigan State University (MSU) and has worked with environmental engineering, horticultural, and fisheries and wildlife students and faculty in a program to study various green roof elements and how they can be used to make a better green roof.

The MSU research group verified sloped roofs, not just flat ones, can support thriving ecosystems. The group recently received honorable mention for their presentation of the information at the Environmental Protection Agency's National Sustainable Design Expo in Washington D.C. Their presentation was among those of 55 universities nationwide.

In learning more about the array of products available, Kevin can see creating a green roof doesn't have to be expensive. To learn about your green roof options, contact ROWE's Director of Landscape Architecture Doug Schultz, LLA, at DSchultz@rowepsc.com.

Green roofs:

- Insulate buildings, therefore saving money on energy costs
- Reduce noise
- Increase the longevity of standard roofing components
- Qualify the building owner for tax credits

'Where There's a Will, There's a Way' for Municipal Projects

ROWE's staff is in touch with the financial crunch city, village, township, and county officials face while trying to do the best for their residents. Whether it's improving safety or helping business owners thrive, there are often funding opportunities available. ROWE is here to explore the options and help complete applications.

It was a low-interest loan from the **United States Department of Agriculture Rural Development** program that made it possible for the Village of Kingston, Michigan to fund water system improvements in 2010. ROWE helped with the application for the \$1 million project to design and construct approximately two miles of water main and rehabilitate the village's elevated water storage tank.

Improvements to the water distribution system included replacement of four-inch mains with larger pipe. In addition, a 12-inch water main was constructed to provide a secondary feed between the water system from the village's wells and water storage tank.

The Michigan Community Development Block Grant Program's **Downtown Infrastructure Grant (DIG)** may be just the help cities like Caro and Lapeer, Michigan need to help their downtown business districts thrive. ROWE's grant application assistance was performed at no cost to these cities.

The City of Caro received \$153,813 through the DIG program to rehabilitate the East Burnside parking lot, which has not been improved in more than 20 years. The project will include replacing damaged sidewalk, curb and gutter, and driveways within and adjacent to the parking lot.

Pavement will be patched, replaced, or resurfaced. The city's downtown development authority (DDA) is also providing \$51,271 for the project, which will be constructed later this year.

The City of Lapeer applied for \$736,100 in DIG funding to rehabilitate a parking lot and reconstruct a street. The project will include replacing existing four-inch water main under a downtown



Kingston Water Tower

municipal parking lot with new eight-inch water main. It will also include reconstructing a parking lot to increase parking capacity and Clay Street will be reconstructed, from Mason Street to Cedar Street. The city will contribute \$163,110 and the city's DDA will provide \$82,000 for the project to be constructed in 2012.

Think you can't afford to complete a much-needed project? Contact ROWE and we will review funding options with you.

Project Awards

- The reconstruction of **Saginaw Street in the City of Lapeer**, designed by ROWE, won an Award of Excellence from the Asphalt Pavement Association of Michigan / Michigan Department of Transportation for the 2,500-20,000 ton category.



I-475 Reconstruction

- The Michigan Concrete Association (MCA) chose the **I-475 reconstruction project in Genesee County**, designed by ROWE, for an Award of Excellence. It is the fourth Award of Excellence a ROWE project has received from the MCA in the past three years.
- The ROWE-designed **Grout Street Reconstruction in the City of Gladwin** is the co-winner of the American Public Works Association-Michigan Chapter Quality of Life Award, less than \$5 million category. The project also included construction of a downtown parking lot on a vacant piece of land.



Beaverton Hydroelectric Dam

- The **City of Beaverton's Hydroelectric Dam Repairs** project, designed by ROWE, is the co-winner of the American Public Works Association-Michigan Chapter Project of the Year in the environment, less than \$5 million category.

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