

Prepare for Recovery Fund Opportunities... GET SHOVEL READY TODAY!

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PDG Has Helped Clients Obtain \$43,677,916 in Recovery Funds

Today's recovery efforts provide unique funding opportunities for projects that are "shovel ready". PDG can help your community develop plans that strategically position you to respond quickly as these opportunities arise. From space studies and utility reports to master plans and conceptual design, PDG has a multi-discipline staff of architects, engineers and planners to develop a viable project for funding consideration. In fact, we have funding specialists on staff to incorporate strategic funding

methods throughout the entire project development process and provide competitive grantwriting and administrative assistance as well.

If your community or organization has capital improvement or planning needs that require further development to be prepared for future funding opportunities, contact your PDG client representative or Linda Amos at 419.352.7537.



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ARENA DESIGN TEAM BRINGS HOME A WIN!

Lucas County Commissioners selected a winning team of design experts to transform an older area of downtown Toledo into a major regional attraction. The new Lucas County Arena opened in October with large crowds and sold-out seating for Toledo's first Walleye hockey game. The \$105 million multi-purpose arena was designed to accommodate local arena sports, concerts and other large events, with seating for approximately 8,000 people.

PDG teamed with several other firms to develop a state-of-the-art design for the new 267,000-square-foot complex. PDG was responsible for site engineering, the facility superstructure design, and interior design assistance.

The design team incorporated innovative "green" elements to create what will be one of the first LEED certified professional sports arenas in the nation. PDG designed the structure to support a 900-square-foot plant wall that will help cool the arena by providing shade. Underground cisterns were also designed to treat and reuse rainwater for landscaping irrigation and water features.

The 82-foot-high superstructure was designed with structural steel framing and 174 reinforced caisson foundations, each four to eight feet in diameter and drilled up to 70 feet into the ground. The columns were placed behind the arena bowl and club level seating to provide an open atmosphere with unobstructed views. The structural design also included the building walls, and entrance structures and features. In order to meet an aggressive schedule, the structure was designed, bid and constructed prior to the final building design being complete.

PDG also provided site engineering for all walkways, sidewalks, plazas, underground utilities, a delivery and staging area, and drainage and storm water management systems. The new development required the demolition and removal of eight buildings, four surface parking lots, a public roadway, an alley and sidewalks, with 100,000 tons of stone used to fill the holes left by the demolition. The building was constructed over a 14-foot-diameter combined sewer tunnel crossing the entire width of the arena 40 feet below the former street surface.



Field determination of the exact location was critical to the building's structural design, which prevents any additional weight transfer to the tunnel.

The interior design package was completed in conjunction with the project architect and involved meetings with the County and team representatives to review finishes, colors and patterns. Materials were selected according to LEED design objectives. PDG was later selected to design and incorporate several retail areas into the arena's original design.

The Lucas County Arena is sure to have positive economic and social impacts for the Northwest Ohio area. PDG was honored to work with the Lucas County Commissioners and a talented group of peers to successfully complete a project that will change the way people think about downtown Toledo. **Go team!**

Interested in receiving this newsletter or need to update your address? Contact us at 419.352.7537 or contactus@poggemeyer.com.

Top 500 Design Firm—Ranked by Engineering News-Record Magazine

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BIG THINGS HAPPENING IN BOWLING GREEN



The City of Bowling Green's administration understands the benefits of implementing long-term solutions to develop and protect its Infrastructure. City officials use effective planning procedures to anticipate future needs and maximize their resources. This type of big thinking often results in big solutions.

Such is the case with the City's recent wastewater treatment upgrades, which includes one of the largest tertiary filtration system installations of its type in North America.

PDG has been working with the City to reduce combined sewer overflows that contribute to violations of current water quality standards. Phased improvements to the wastewater treatment plant are being made to treat and disinfect increased sanitary and storm water flows into the system, upgrading the system from a 16 million gallon per day capacity to 30 million gallons per day. Designed and constructed within 13 months, a new sand filtration system was replaced with an innovative cloth media tertiary filtration system, selected due to its compact footprint, high throughput and ease of operation. A new ultra-violet disinfection system is also being integrated into the SCADA system and installed within



Wooster Street



Future Facilities Complex



the system footprint to handle peak flows. These improvements will maximize flows through the plant to limit combined sewer overflow discharge volumes and frequencies.

PDG has also been working with municipal and park officials to explore sustainable design methods that will divert storm water flows within the City to develop wetlands in one of the City parks. This strategy is a win-win for municipal and park officials, who will benefit from reduced storm water treatment efforts while expanding an ecological treasure within the City.

Sustainability is also being addressed in the design of the City's new facilities complex. The \$7 million complex is being designed to consolidate Bowling Green's electric, water and sewer operations for better efficiency and increased storage. Energy conservation, energy efficiency, water conservation and storm

water management efforts are all being addressed throughout the design process.

And conserving resources doesn't have to stop with the environment. Over the past five years, PDG has helped the City obtain more than \$9 million in grant and low-interest loan funding for capital improvements such as the wastewater treatment plant upgrades, improvements at the water treatment plant and widening of more than one mile of East Wooster Street, the main entry corridor into the City from Interstate 75 and access route to Bowling Green State University.

PDG is also in the final design stage of improvements to North Main Street in Bowling Green. The project involves widening just over one mile of the four-lane access road to add a center left turn lane and will effect approximately 70 commercial and residential parcels.

PDG has helped the City obtain more than \$9 million in grant and low-interest loan funding for capital improvements



Wastewater Treatment Plant



NEXT STOP Allen County Museum

HISTORIC
LOCOMOTIVE
RELOCATES
TO MUSEUM

The Historic Shay Locomotive Engine Recently Found a New Home in The Allen County Museum.

Previously stored in a garage-type structure with limited viewing space, the engine will be the feature attraction of the renovated museum.

PDG worked with Allen County Commissioners to redevelop the facility into an engaging environment that tells the story of the County's heritage. The locomotive engine will be part of the museum's railroad exhibit, which includes a life-size train station diorama with displays and imagery related to the railroad and its history. The railroad exhibit is one of several exhibit areas in the 46,000-square-foot phased expansion and renovation project. The focal point of the expansion is a glass architectural exhibit area designed to offer a 360-degree view of the locomotive engine, including an interior gallery walkway.

The 1925 locomotive was produced in Allen County and represents many engines sold throughout the world that played a unique role in industrial development. A 210-ton crane was used to move the 24-ton engine into the museum addition. Construction will continue around the attraction.

The Ohio Department of Transportation recognized the of educational significance the historic engine with a

Transportation Enhancement Program grant of nearly \$1 million. PDG provided the materials to have the engine listed on the National Register of Historic Preservation, prepared the TEP funding application, and helped the Commissioners obtain an additional \$250,000 in State Capital Budget Cultural Facilities Commission funding.



PDG Ranked Among Top Design Firms

PDG was recently recognized in *Architectural Record's* ranking of the Top 250 Firms in the nation. Firms were ranked according to reported revenue for architectural services performed in 2008. Earlier this year, the company was also ranked second in *Builders Exchange Magazine's* listing of Top 20 A/E firms in Ohio based on the number of active projects in the first quarter of 2009.

The secret to our success? Greg Telecky, Managing Principal of PDG, indicated he believes diversity has been one of the key elements to maintaining business in spite of current economic conditions.

"With experts in architecture, planning and various aspects of engineering, we are able to pursue a variety of projects instead of being locked into one or two disciplines," noted Telecky. "We also have several grant specialists on staff to help our clients take advantage of various funding opportunities. Without this niche, many of our projects would never make it beyond the conception phase. And fortunately for us, we have great clients who are committed to making important improvements for their communities and organizations."

"A lot of credit also goes to our employees," said Jack Jones, Principal Owner and Chairman of the Board. "They do an exceptional job of keeping up to date on current design methods and work closely with our clients to develop projects that meet their unique goals."

We are pleased to be recognized as one of the leading design firms in the nation. Thank you for giving us the opportunity to do what we do best.

The secret to our success?
Diversity · Great Clients · Exceptional Employees

