

solutions

OVER 49 YEARS OF HELPING COMMUNITIES GROW

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1 PDG HELPS DESIGN HYPERLOOP TESTING SITE

Hyperloop-One's Propulsion Open Air Test (POAT) Facility/Dev Loop Track are the first fully-realized manifestation of a "5th mode of transportation" in the form of a levitated pod that uses electricity to accelerate to 760 MPH through a low-pressure tube. The POAT facility was purpose-built for the first relatively large-scale testing required in Hyperloop-One's "proof-of-concept" research and development effort. POAT is a 300 meter Electromagnetic Propulsion System test track on which a 1,500-pound metal sled is accelerated from a stop by Hyperloop-One's custom-designed electric motors to validate, test and improve upon the propulsion system. The system will ultimately drive the fully-functional transportation system. The Dev Loop facility is a 3 km full-scale, elevated test track with a 3.3 meter tube for conveyance of test pod vehicles. The Dev Loop track tube is elevated approximately 2.7 meters above existing grade and supported by reinforced concrete piers spaced at 30 to 45 meters on center. The northerly terminus of the Dev Loop has a concrete pad staging area to provide access to the transport tube system.

■ continued on inside



Poggemeyer Design Group drew on its decades of experience in the Las Vegas Valley to assist Hyperloop-One in navigating the local regulatory environment throughout the design and construction phases. Additionally, our team of professionals provided civil engineering design of the earthen track bed, drainage mitigation, support facilities and enclosures as well as the detailed structural analysis and design of the track itself. Our design team is making their vision of transportation a reality. The Hyperloop is a new way to move people or things anywhere in the world quickly, safely, efficiently, on-demand and with minimal impact to the environment. The system accelerates a passenger or cargo vehicle through a steel tube in a near-vacuum using linear electric motor. The autonomous vehicles glide comfortably at faster-than-airline speeds over long distances due to the extremely low aerodynamic drag and non-contact levitation. There are no direct emissions, noise, delay, weather concerns nor pilot error. Hyperloop-One's Propulsion Open Air Test (POAT) Facility and Dev Loop was constructed in the Apex Industrial Park in North Las Vegas.

Hyperloop-One successfully propelled a metal sled down the POAT track opening the door for further testing and advancement of the system with a goal to be moving cargo inside of five years. Hyperloop-One's system is revolutionizing the future of transportation, a new energy-efficient and safe way to move people and cargo at airline speeds for minimal price.



2 PDG CONTINUES TO BRING HOME THE MONEY **\$1.2 BILLION**

In fact, we have assisted our clients obtain over **\$1.2 billion** in grants and low interest loans. We recently helped Ottawa County Commissioners obtain a \$48,500 grant from ODOT/Ohio Department of Health to develop an Active Transportation Plan for future multi-use, non-motorized paths to connect desired destinations within the County. PDG will also assist the County with development of the Plan.

This grant program is a new collaboration between ODOT and the Ohio Department of Health funded as part of the Ohio Strategic Highway Safety Plan to support safe, active transportation. The first round of applications were taken in March, 2017. The goal of the program is to:

- Increase the safety of active transportation users
- Increase the number of Ohioans participating in active transportation.



ODOT recently announced they awarded four projects from the ODOT Transportation Alternative Program.

1. Ottawa County - Extend North Coast Inland Trail .. **\$2,157,450**
2. City of Portsmouth - Riverfront Multi-Use Path **\$ 622,725**
3. City of Port Clinton - Phase 1 Lakefront Walkway **\$1,900,000**
4. Village of New Lexington - Main St. Sidewalks **\$1,920,425**

PDG worked with all four of these communities to develop and write the applications to obtain \$6,600,600 in total grant funding.



The U.S. Economic Development Administration (EDA) recently announced the award of a \$2.5 million grant to the Village of Leipsic to make water infrastructure improvements to support business expansion efforts. The project will create 80 jobs, retain 357 jobs, and generate \$400 million in private investment. PDG assisted the Village of Leipsic with preparation of the grant application and will help administrate the grant process.

3 PDG CAN PROVIDE GEOGRAPHIC INFORMATION SYSTEM (GIS) SERVICES

When using Geographic Information System (GIS), you bring together independent pieces of information such as parcels; topography; wetlands, boundary data; current utility placement and zoning detail. As this information overlays, you are able to identify key facts and details about a location and even incorporate a full detailed inventory of your utility data. It allows you to have a complete inventory of your utility systems that can be accessed in the office or in the field. GIS provides a method for creating and updating maps and atlases, maintaining records, locating components, generating work orders, allowing for complete asset management, or even incorporating the utility data into modeling platforms for various system analyses. We can perform hydraulic, constituent, trace and fire flow analyses for your system.

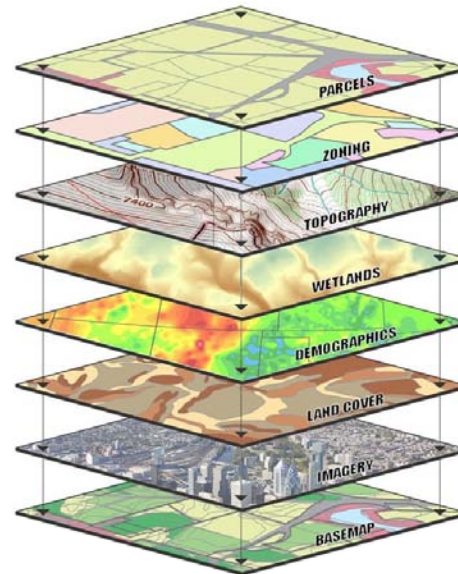
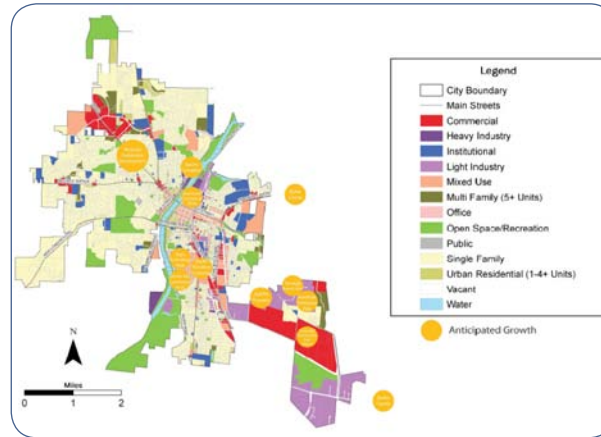
We can take information you have or we can collect information on your behalf. GIS is extremely popular as a way for communities to take and maintain inventory of utilities, service lines and anything that has to be documented.

GIS SERVICES

- Utility Mapping Applications
 - Water
 - Wastewater
 - Electric
 - Gas
- Planning and Zoning Applications
- Survey
- Operating WaterGEMS inside ArcMap for seamless updating of data

“GIS is an efficient and effective communication tool that can result in savings of time and money.”

DAVID ZUBENKO, GIS Technician



4 DEADLINE: OCTOBER 1, 2018

SENATE BILL 2 REQUIRES ALL PUBLIC WATER SYSTEMS TO HAVE AN ASSET MANAGEMENT PROGRAM IN PLACE BY THIS DATE.

Why Does Your Community Need An Asset Management Strategy?

- Required through Senate Bill 2
- Long-Term Vision
- Clear Goals and Objectives
- Management Strategy
- Implementation Plan for Renewal/Replacement
 - Identify Potential Funding Sources

Funding agencies want to grant funds to communities who have a clear strategy for operation and maintenance of utility systems.

PDG can assist you with development of an Asset Management Strategy that will:

- Assess current management practices
- Develop an Implementation Plan
- Inventory of assets
- Integrate information systems
- Improve communications

Many states already require an Asset Management Strategy as a prerequisite for funding. The State of Ohio EPA is now requiring that communities have an Asset Management Strategy in place for all public water systems. Strategies can also include all infrastructure systems (water, sanitary sewer, storm water management, transportation and electric) or focus on one or two systems.

Contact your PDG representative if you would like more information on the benefits of an Asset Management Plan.

PDG’s GIS Services Can Help You Meet Your Future EPA Requirements.

5 PDG Highlights

CONGRATULATIONS ARE IN ORDER



■ **LAUREN O. FALCONE, AICP**

Ms. Falcone was recently appointed to an open seat on the City of Westlake Planning Commission, which expires December 31, 2018, by Mayor Dennis Clough. The City's Planning Commission is a five-member

board, who meets at least once a month and is responsible for the planning and platting of the City for harmonious development and coordination of streets. The commission reviews and makes recommendations to City Council on all proposed zoning changes, public buildings, development plans and major subdivisions. The commission also reviews and approves new signs, lot splits and lot assemblies. Ms. Falcone was one of three candidates interviewed for the position. The Mayor and Council were impressed by her degrees, certification and long history of planning and economic development with Poggemeyer Design Group, Inc.

2017 ENGINEER OF THE YEAR BY THE ASCE TOLEDO SECTION



The plaque presented to Greg states that the award is for “**outstanding service, dedication and contributions to the civil engineering profession and community**”.

We are proud to announce that **Gregory A. Bieszczad, P.E.**, has been awarded 2017 Engineer of the Year by the ASCE Toledo Section. The Engineer of the Year is an annual award given out by the Toledo Section, American Society of Civil Engineers. This section covers all of northwest Ohio, and the award dates back to at least 1971.

PDG IS RECOGNIZED BY DEFIANCE AREA CHAMBER OF COMMERCE FOR 35 YEARS IN THE COMMUNITY

In 1982, Poggemeyer Design Group opened a branch office in Defiance, presently located in the McDonald Professional Office Building, and has served the area for 35 years. PDG has grown to become an award-winning, nationally recognized leader offering Architectural; Civil; Structural; Mechanical; Electrical; Surveying and Planning Services. PDG is an employee-owned company. Over the years, PDG has been involved in the Defiance Community participating in a number of charitable events and serving on various boards and committees.



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