About

Founded in 1966, Greenman-Pedersen, Inc. (GPI) is a leading engineering consulting firm that specializes in the innovative design and construction of transportation infrastructure and building projects. Our experts provide comprehensive engineering, design, planning, construction management, and GIS/asset management services to a wide variety of agencies and clients. Although based in the northeast, GPI is involved on major projects throughout the U.S. Our data collection projects, coupled with creating, integrating and customizing Asset Management Systems makes GPI a “one-stop” shop for all GIS/Asset Management needs.

Specialties

• GIS data analyzation, mapping, database development, report creation
• Custom application development
• Needs assessments
• Inventory, management and integration plans for transportation assets and GIS
• Data collection and management of transportation assets including signs, bridges, guiderails, signals, pavement, shade trees and stormwater infrastructure
• LiDAR collection, processing and asset extraction
• Asset Management System development
• Videologs and videolog viewer systems
• Integration of off-the-shelf solutions
• Compliance report development
• Training

What We Do

GIS Services

• GIS Analysis
• Application Development
• Remote Sensing
• Asset Management Systems
• Automated Data Collection
• Mobile LiDAR
• Drone (UAV) Services

Geomatics

• Survey
• Photogrammetry
• Aerial Mapping
• Oblique Imagery
• LiDAR Imaging
• Hyperspectral Imaging
• 3D Laser Scanning
Differentiators

GPI is recognized as an industry leader and is consistently ranked in the Engineering News Record’s #57 Top 500 Design Firms.

GPI continues to set ourselves apart from our competitors by being able to offer in-house capabilities such as mobile LiDAR and drone mapping services for use in data collection, survey and mapping.

Select Past Performances

Sign Management and Asset Inventory System (SMAIS)
Massachusetts; 2014 - 2017
Statewide inventory of traffic signs, mounting structures, inlets and manholes using survey grade LiDAR and high-resolution imagery.

NJDOT Safety Voyager Application
New Jersey; 2016
Development of a secure, GIS-based, web database application that displays traffic crashes, AADT data, and ball-bank information.

NYCDOT SIMS
New York; 2013
Development of a sign geodatabase from existing mainframe source data. The data was geo-located using bearing and distance by linking these measurements to the city centerline and planimetric curbline GIS layers resulting in a 92% accurate positioning of 5.5 million sign locations.

Jabez Branch 3 Watershed Restoration Implementation Plan
Maryland; 2015
Development of GIS mapping and assessment criteria for inclusion in the Maryland State Highway Authority (SHA) GIS system.

Recovery Analysis GIS Geodatabase Development - Tampa Bay Water
Tampa, Florida; 2014 - 2015
Geographic Information System (GIS) analysis and Remote Sensing.