

**Wooster and Associates**

# QUALIFICATIONS DOCUMENT



📍 323 North Shore Drive,  
Suite 300  
Pittsburgh, PA 15212

📍 19 Colonnade Way,  
Suite 117 PMB #269  
State College, PA16803

☎ +1 (412)921-3303  
✉ [info@dewooster.com](mailto:info@dewooster.com)

[www.dewooster.com](http://www.dewooster.com)



STRAIGHTFORWARD  
& UNWAVERING

a **CSI** company

# ABOUT WOOSTER

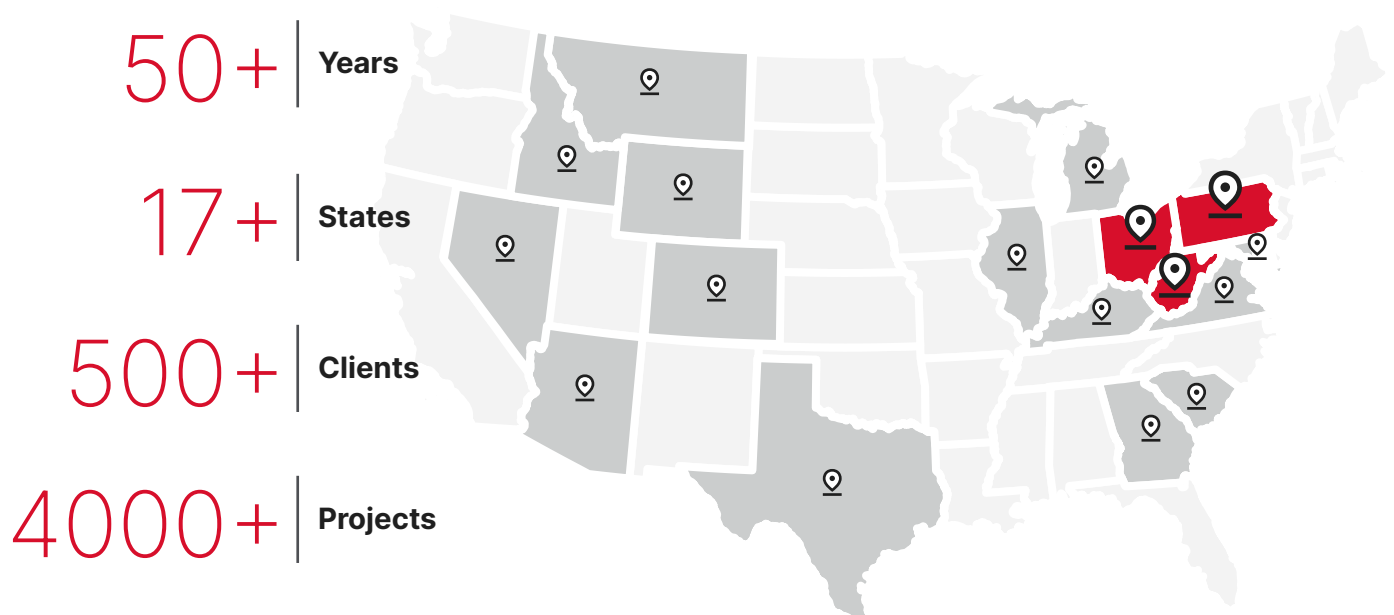
Wooster and Associates is a Civil Engineering firm with 50 years of expertise in Traffic Engineering and Highway Design. We have recently added Site Civil Services to our portfolio, with an additional emphasis on Land Development Services.

Wooster is at the forefront of the engineering industry in the Pittsburgh tri-state area, having executed over a thousand successful projects in Pennsylvania, Ohio, and West Virginia. Our experience encompasses a wide range of disciplines and sectors with a focus on residential, commercial, municipal, educational, and healthcare-based clients.

Known for creating straightforward solutions with unwavering integrity, our mission is to lead the fields of traffic and site civil engineering by exceeding client expectations in service and ingenuity. We aim to preserve the infrastructure of the community by serving citizen interests while providing our clients with fiscally responsible solutions to meet their objectives.

Wooster has recently partnered with CSI Global, an international engineering firm. Together we can apply our core values and provide solutions for our customers with our creative design, planning, and engineering practices. While we pursue a national vision, we strive to preserve our local heartbeat and maintain our values as we expand across the United States.

## NATIONAL VISION, LOCAL HEARTBEAT.



# SERVICES



## TRAFFIC ENGINEERING

Traffic Engineering is a subset of civil engineering concerned with the planning, design, and operation of streets and roadways. It utilizes engineering techniques and technology to achieve the efficient movement of people, goods, and vehicles on roadways with a focus on safety and traffic flow.

### SERVICES INCLUDE:

- Transportation Impact Studies
- Traffic Impact Assessments
- Data Collection
- Preliminary Site Evaluation
- Traffic Counts
- Speed Studies
- Sight Distance Evaluations
- Trip Generation Evaluations and Comparisons
- Parking Evaluation Studies
- School Zone Studies
- Roundabout Analyses
- Corridor and Signal Optimization Studies
- Intelligent Transportation Systems



## HIGHWAY DESIGN

Highway Design is another subset of civil engineering involving the planning, design, and operation of roadways with additional considerations for future construction, operation, and maintenance of those roadways. The basic objectives focus on efficiency, safety, and convenience while also minimizing costs and potential environmental harm.

### SERVICES INCLUDE:

- Highway Occupancy Permit Applications
- Highway/Roadway Design
- Traffic Signal Design
- Traffic Control Plans
- Pedestrian Safety Studies
- ADA Compliant Design
- Vehicle Simulations
- Right-of-Way Plans
- Utility Plans
- MPT Plans
- PS&E Design Packages



## SITE CIVIL ENGINEERING

In addition to traffic engineering and highway design, Wooster offers comprehensive site civil engineering services. Our expertise extends to land development projects, where we collaborate with clients to design and plan the infrastructure required for commercial, residential, and institutional developments.

### SERVICES INCLUDE:

- Land Development
- Preliminary and Final Site Layout
- Environmental Permitting
- Feasibility Studies and Site Assessments
- ALTA, Topographic, and Boundary Surveys
- LIDAR Scanning
- Grading and Drainage
- Stormwater Management
- Earthworks Quantities
- Site Utilities
- Water Distribution and Sewer Collection
- Erosion and Sedimentation Control
- Code Compliance
- BIM Modeling
- CAD and Drafting



## PROJECT MANAGEMENT

Project Management at Wooster involves significant planning, development, monitoring, and execution of all tasks and services. Some duties include designing projects, estimating budgets, scheduling timelines, assigning tasks, and evaluating progress throughout all stages of a project. We facilitate the successful completion of all services through comprehensive project planning combined with our technical skills.

### SERVICES INCLUDE:

- Construction Bidding
- Construction Administration/Management
- Cost/Benefit Analyses
- Risk Management
- QA/QC

## ADDITIONAL SERVICES

Through our partnership with CSI Global, Wooster can deliver additional services such as Mechanical, Industrial, and Structural Engineering through our sister company, Redtree Engineering. This also allows us to leverage our available resources and provide even more comprehensive solutions for our clients.

If you're looking for any services not listed here, please contact us to see if we have what you need!



## KEY PEOPLE



**JACINTO D. DURÁN**

CEO

- 20+ years of all-around civil engineering experience.
- Jacinto has worked for Governmental Agencies, Fortune 500 companies and startups in international environments such as Latin America, Europe, Middle East and the USA.
- Bachelor of Science – Civil Engineering from Universidad de la República in Uruguay.
- MBA degree from Brown University, Rhode Island



## **JERROD CROSBY, PE**

### **COO & DESIGN TEAM MANAGER**

- Bachelor of Applied Science – Civil Engineering from Ohio University
  - 26+ Years of Highway Construction and Design Services
  - Jerrod joined Wooster in 2004 and has led the Design Team since 2010.
  - Responsibilities include the performance of all design projects, including day-to-day operations, highway construction plans, highway occupancy permit applications, and traffic signal plans.
- 



## **JOSHUA A. HAYDO, PE, PTOE**

### **DEPUTY COO & TRAFFIC TEAM MANAGER**

- Bachelor of Science – Civil Engineering from Virginia Polytechnic Institute and State University
  - 16+ Years of Traffic Engineering Experience
  - Responsible for the day-to-day management of the Traffic Engineering Team and the Data Collection Team.
  - Additional responsibilities include the preparation of traffic studies, coordination with public agencies and participation in public meetings.
- 



## **ADAM J. LAW**

### **DIRECTOR OF LAND DEVELOPMENT**

- Bachelor of Landscape Architecture from Pennsylvania State University
- 24+ Years of Land Development Experience
- Responsible for the day-to-day management of Land Development Services, from Property Surveys through Construction Administration.
- Additionally responsible for Permitting Services and Permit Acquisitions.



**MICHAEL ANDREWSH, PE, PTOE****SENIOR DESIGN AND TRAFFIC ENGINEER**

- Bachelor of Science – Civil Engineering from Pennsylvania State University
- 31+ Years of Traffic Engineering Experience
- Experience with both Design and Traffic Engineering Teams allows Michael to work as a liaison to provide quality control and project coordination.
- Member of the Institute of Transportation Engineers.

**DOUG HILL, PE****SENIOR TRAFFIC ENGINEER**

- Bachelor of Science – Civil Engineering from Pennsylvania State University
- 27+ Years of Traffic Engineering Experience
- Oversees the performance of all traffic studies and traffic signal designs for the State College location.
- Member of the Institute of Transportation Engineers and the Mid-Atlantic Section of the Institute of Transportation Engineers.

**ZACK J. HAYES, PE****PROJECT MANAGER**

- Bachelor of Science – Civil Engineering from Pennsylvania State University
- 6+ Years of Transportation and Civil Engineering Experience
- Responsible for applying for Highway Occupancy Permits, which includes preparation of HOP drawings and plan sets; geometrical and Civil 3D design; and coordination with developers and site engineers.
- Additionally responsible for the day-to-day management of the Design Team at Wooster and CSI.



# SECTORS

Wooster and Associates provides a vast range of services to multiple types of civil engineering projects. We strive to deliver efficient solutions focused on safety while providing cost-effective strategies for all of our residential, commercial, municipal, educational, and healthcare-based clients.



## RESIDENTIAL

Whether for real estate developers or individual homeowners, Wooster provides expert advice and comprehensive traffic engineering services for all residential projects. We also deliver personalized land development consulting services while preparing access designs, managing road and utility permits, and assessing appropriate stormwater drainage.



## COMMERCIAL

For both commercial developers and individual retail sites, Wooster provides multiple services throughout the entirety of a project's lifespan. Wooster can provide initial site surveys, develop traffic impact studies for current and future traffic flow, and even provide our expertise with permitting and road design.



## MUNICIPAL

Municipal engineering includes all of the civil engineering services required to address the complex transportation system infrastructure and land use issues facing municipal government. Our extensive knowledge of municipal regulations and codes helps us to provide practical engineering solutions while improving the quality of life enjoyed and expected by residents. This goal is achieved by providing the traffic engineering solutions necessary to develop projects ranging from small subdivisions to major commercial retail centers while elevating only sound economic development within the municipality.



## EDUCATION AND HEALTHCARE

Our engineering expertise extends to local schools and healthcare facilities. Such facilities require additional diligence in order to avoid vehicle conflicts with pedestrians, traffic congestion due to periodic high-traffic volume, and continuous ease of access. Schools and hospitals also have additional transportation needs due to the use of buses and emergency vehicles. These types of organizations also frequently encounter the need for redevelopment, and Wooster prioritizes these future demand expectations with innovative and practical design solutions.





STRAIGHTFORWARD  
& UNWAVERING

a  company

# PARTNERS

## PROFESSIONAL AFFILIATIONS



## CLIENTS



# PROJECT EXPERIENCE

Wooster and Associates provides a diverse range of expertise and services to support all of our clients. We have extensive experience in the Pittsburgh tri-state area and are looking to bring our experience to numerous additional markets.

The following page(s) include project examples that demonstrate Wooster's range of services and expertise.



Civil  
Engineering



Traffic  
Engineering



Transportation  
Engineering



Land  
Development  
Services



Surveying



Advisory &  
Consultancy



BIM



Architecture



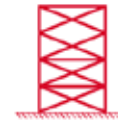
PM / CM



Mechanical &  
Industrial  
Engineering



Electrical &  
Power  
Engineering



Structural  
Engineering



Water  
Resources



**STRAIGHTFORWARD  
SOLUTIONS** and  
**UNWAVERING INTEGRITY.**



**ADAPTABLE** and  
**CREATIVE** with each  
client and project.



Focus on **ECONOMICS** and  
**TIMING** of every project.



**50 YEARS** of long-lasting  
**RELATIONSHIPS** with clients,  
built on results and trust.



Extensive **INDUSTRY  
EXPERIENCE** and  
commitment to excellence.



**NATIONAL VISION, LOCAL  
HEARTBEAT.**



# WOOSTER

STRAIGHTFORWARD  
& UNWAVERING



323 North Shore Drive,  
Suite 300  
Pittsburgh, PA 15212



19 Colonnade Way,  
Suite 117 PMB #269  
State College, PA 16803

---

☎ +1 (412)921-3303  
✉ [info@dewooster.com](mailto:info@dewooster.com)

---

[www.dewooster.com](http://www.dewooster.com)