

Ravi Engineering & Land Surveying, P.C.

Firm Profile



Certified MBE Firm
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Ravi Engineering & Land Surveying, P.C. (RAVI) is a certified MBE consulting firm with a staff of 104 located in Rochester, Buffalo, Binghamton and Albany, New York, and Pittsburgh, Pennsylvania. RAVI specializes in providing state-of-the-art structural, environmental, and geotechnical engineering, in addition to construction inspection and land surveying services. Established in 1995, the firm is committed to providing technically sound solutions to our clients that include state, municipal and private organizations. At RAVI, we strive to exceed our clients' expectations for responsiveness, efficiency and timeliness in delivery of services.

Our Services

BUILDINGS, BRIDGES, & SPECIAL STRUCTURES

- Structural Analysis, Design of Buildings and Bridges
- Structural Value Analysis
- Preparation of Structural Contract Drawings
- Specifications and Estimating
- 3D Modeling, Analysis and Optimization
- CADD - Computer Aided Design and Drafting
- Phased or Fast Track Designs
- Design of Foundations and Sub-Structures
- Structural Investigations
- Forensic Engineering
- Feasibility Studies
- Structural Renovations, Alterations and Restorations

SURVEY

- Topographic and Boundary Surveys
- Right-of-Way and Easement Mapping
- Hydrographic/Bathymetric Surveys
- Laser Scanning
- UAV (Drone) Surveys
- Residential and Commercial Property Surveys
- ALTA Surveys
- Utility Surveys
- Construction Stakeout
- Machine Control Model Building
- As-Built Surveys
- Subsurface Utility Designation

GEOTECHNICAL ENGINEERING

- Subsurface Investigations
- Geotechnical Evaluation and Reports

ENVIRONMENTAL ENGINEERING

- Environmental Assessments / Impact Statements
- Phase I and II Environmental Site Assessments
- Permit Applications
- Public Participation Program Coordination
- SEQRA / NEPA Process Coordination
- Hazardous Material Survey
- Asbestos and Lead Survey, Design, and Project Monitoring/Air Sampling
- Licensed Mold Assessments
- SWPPP Services
- Tank Compliance
- Wetland Delineation and Mitigation Planning
- CAMP (Community Air Monitoring Program) Monitoring
- Remediation Oversight / Inspection

TRANSPORTATION ENGINEERING

- Bridge and Culvert design
- Bridge Rehabilitation Design
- Highway Engineering
- Accident Analysis
- Hydraulic and Scour Analysis
- Work Zone Traffic Control Plans
- Pavement Analysis / Design
- Pedestrian Trails and Facilities Engineering
- Utility Coordination
- Transportation Planning

BRIDGE & OVERHEAD SIGN INSPECTION

- Bridge and Culvert Inspections
- Routine Forensic Investigations
- Roadway and Bridge Deck Inspections
- Load Rating Evaluations
- Routine Overhead Sign and Underwater Inspections

CONSTRUCTION INSPECTION

- Construction Administration and Inspection
- CPM Review Scheduling
- Special Inspections

