



Corporate Overview

Engineering Client Success

From property acquisition through construction and renovation, we strive to be your single source for engineering consulting and testing services.

Testing Engineers & Consultants is a small, woman-owned and Detroit-based firm, founded in 1966 in the State of Michigan with offices in Ann Arbor, Troy, and Detroit, Michigan.

Officers

Katherine Banicki, President
Ruben E. Ramos, PE, Vice President
Carey J. Suhan, PE, Vice President
John Banicki, PE, Founder & Chairman Emeritus

Certifications/Accreditations

Accredited by the American Association of State Highway & Transportation Officials (AASHTO) for Bituminous and Aggregate
Certified Detroit-Based Business (DBB)
Certified Woman-Owned Business Enterprise (WBE) - City of Detroit
Certified Detroit Small Business (DSB)
Certified Woman-Owned Business Enterprise (WBE) - NWBOC National Certification
Certified Targeted Growth Community Enterprise (TGCE) and County Based Enterprise (CBE) - Wayne County
Registered Woman-Owned Business Enterprise (WBE) - Wayne County
State of Michigan Certificate of Awardability

Cage Code: 1BJ55

NAICS Codes: 541330, 541340, 541350, 541360, 541380, 541620, 541690, 562910

MDOT Pre-qualifications

Aggregate Testing
Bituminous Pavement Inspection
Density Inspection & Testing
Geotechnical Engineering Services
Hot Mix Asphalt (HMA) Technician Testing Assistance
Portland Cement Concrete Inspection & Testing
Preliminary Site Investigation (Environmental)

MSHDA-Approved Environmental Consultant

TECHNICAL DISCIPLINES

Environmental Services

Baseline environmental assessment (BEA)
Class A, B, & C UST system operator services
Contamination assessment
Due care compliance / plans
Environmental, health, and safety regulatory compliance assistance
Environmental site assessment (Phase I & Phase II ESAs)
Expert witness testimony
Hazardous waste management
Hydrogeological and groundwater investigation
NPDES Phase II storm water management
Remedial investigation / Feasibility study
Storage tank management (above & underground)
Wetlands determination

Industrial Hygiene Services

Document archiving
Environmental data management program
Hazardous materials graphical database
Indoor air-quality investigation
LEED building pre-occupancy indoor air quality (IAQ) management plan
Moisture intrusion study (Infrared technology)
Occupational exposure study
Water damage and mold assessment

Asbestos Services

Abatement specifications and compliance monitoring
ASHERA inspections and management plans
Asbestos awareness training
Pre-renovation/pre-demolition building survey

Lead Paint Services

Lead-based paint inspection (XRF technology)
Lead-based paint risk assessment
Lead paint removal specifications and compliance monitoring

Training Services

Asbestos/lead awareness training
Class C UST operator system training
Confined space training
Environmental Health & Safety (EHS) training
Globally Harmonized System (GHS) training
Indoor Air Quality (IAQ) training
Storm water management training

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Geotechnical Services

Building movement and earth retention system monitoring
Construction monitoring and structural evaluation with automated data recovery and reporting
Construction recommendations for sites, dams, and earthwork structures Design verification
Direct push soil probing (Geoprobe™)
Environmental hollow stem auger drilling
Excavation, shoring, and dewatering consultation
Field testing of soils
Foundation and design recommendation
Geotechnical site exploration
Ground penetrating radar (GPR) survey
Monitoring and recovery well installation
Pavement investigation and design
Slope stability and settlement analysis
Soil borings (in-house fleet of drill rigs)
Soils laboratory

Construction Materials Testing & Special Inspections

Bituminous Concrete (Asphalt)

Asphalt mix design
Asphalt placement
Batch plant inspection

Concrete

Batch plant inspection
Floor flatness testing
Mix design
On-site testing and inspection
Pre-cast concrete inspection
Pre-stressed and post-tensioned concrete
Reinforcing steel inspection

Masonry

CMU testing
Grout and mortar testing
Masonry placement inspection
Mix design
Reinforcing steel placement

Soils/Aggregates

Foundation sub-grade verification
In-place density testing
Laboratory testing
Pile driving and caisson placement

Construction Materials Testing & Special Inspections Cont.

Structural Steel

Fabrication inspection
Field welding
High strength bolting
Non-destructive testing
Welder certification

Spray-Applied Fire Resistive Materials

Density testing
Intumescent fire resistant coating
Thickness and bond testing

Exterior Insulation and Finish Systems (EIFS)

Field installation inspection

Building & Infrastructure Services

Pavement Consulting Services

Construction contract administration
Pavement condition evaluation
Pavement design
Pre-construction condition survey
Sewer inspection/flow monitoring

Structural Engineering

Acoustical assessment and mitigation design
Fire, wind, and water damage assessment
Forensic engineering & failure analysis
Ground vibration testing and monitoring
Structural and architectural component testing
Structural instrumentation

Facility Asset Services

Facade and curtain wall evaluation
Infrared building assessment
Property condition assessment
Restoration and renovation design

Roofing Services

Infrared and nuclear moisture evaluation
Roof asset management
Roof condition assessment
Roof construction management
Roof quality control inspection
Roofing system design