

# TSi OVERVIEW

1322 Adams Street  
Kansas City, KS 66103  
913.749.4010

5850 Arsenal Street  
St. Louis, MO 63139  
314.644.3134

1206 Adelaide Street #3  
Bloomington-Normal, IL 61761  
309.200.8646

[www.tsi-engineering.com](http://www.tsi-engineering.com)



Founded in 1989, TSi Engineering, Inc. (M/W/DBE) is a specialized practice in geotechnical engineering, drilling, construction observation/inspection, construction materials testing, and laboratory testing. Our team of professional engineers and certified technicians offer extensive geotechnical expertise and technical skills to effectively manage geotechnical risk for our clients' projects. We identify potential design- and construction-related concerns, then recommend sound engineering solutions by applying appropriate technologies.

A key component of our construction observation and materials testing services is quality assurance, as we deliver the data needed to verify that the materials and techniques being used meet the standards required for the project. TSi engineers and technicians provide a vital link between the owner, the design team, and the contractor.

## GEOTECHNICAL

- Earth Retention Systems Design
- Foundation Studies
- Laboratory Testing
- Materials Testing
- Pavement Analysis and Design
- Slope Stability Assessment
- Soil Improvement/Stabilization
- Special Inspections
- Subsurface Exploration and Evaluation
- Tunnel Studies

## DRILLING

TSi has the equipment to address a wide variety of surface and subsurface conditions including:

- Hollow stem auger drilling
- Mud rotary drilling
- Wireline rock coring
- Pressure meter testing
- Little Beaver drilling equipment

▪ TSi owns and operates four drill rigs:

- CME-75 drill rig
- CME-45C drill rig
- CME-550X drill rigs (two rigs)

## CONSTRUCTION OBSERVATION AND TESTING

- Field Sampling and Coring [Pavements, Slabs, Foundations, Fill/Backfill]
- Field Testing [Soil, Rock, Aggregate, Concrete, Asphalt, Masonry, Mortar, Grout, Fireproofing, Roofing]
- AASHTO-, AMRL-, CCRL-, DOT- and USACE-Certified Laboratories [Soil, Rock, Aggregate, Concrete, Asphalt, Mortar, Grout, Fireproofing]
- Observation and Reporting [Foundations, Earthwork, Steel Reinforcement, Instrumentation, Concrete, Asphalt, Masonry, Geotextiles and Geogrids, Soil Modification]
- IBC Special Inspections

# TSi OVERVIEW *continued*



CME-75 Drill Rig



CME-45C Drill Rig



CME-550X Drill Rig



Little Beaver Drilling Equipment

## OVERVIEW

- Founded in 1989 in St. Louis, MO by Denise and Morris Hervey
- 25 Years of Service
- Offices with Testing Laboratories in St. Louis, MO, Kansas City, KS and Bloomington-Normal, IL
- AASHTO-, AMRL-, CCRL- and USACE-Certified Laboratories
- Owns and Operates Four Drill Rigs
- **<1 EMR Safety Rating**
- M/W/DBE Certified Firm



Denise B. Hervey, PE  
CEO  
dhervey@tsi-engineering.com



Morris E. Hervey, Jr.  
President  
mhervey@tsi-engineering.com

## SERVICES

- Geotechnical Engineering
- Drilling and Sampling
- Construction Materials Testing
- Laboratory Testing
- Construction Observation and Documentation

## STAFF

- 50+ Total Staff
- 9 Professional Engineers
- 16 Certified Field Technicians
- 9 Staff Engineers (including 6 EITs)
- 5 Laboratory Technicians
- 4 Lead Drillers
- 4 Driller Assistants

## IN-HOUSE DRILL RIGS

- CME-75 drill rig, ATV-mounted on a MST 1500 Marooka tracked carrier
- CME-45C drill rig, mounted on a Ford F550 4 x 4
- CME-550X drill rigs, mounted on a Floatation Tire ATV (two rigs)

## PE LICENSES

- Illinois, Iowa, Kansas, Kentucky, Missouri and Tennessee

## SPECIALIZED EQUIPMENT

- Little Beaver hand-operated drilling equipment (for difficult access)
- Field resistivity meter
- Inclinator with digital read out
- Vibrating wire piezometer read-out
- RIMAC
- Pressure meter
- Dynamic cone penetrometer

## PROJECT TYPES

- 1,100+ Total Projects
  - Apartment Complexes, Condominiums
  - Corporate and Industrial Development
  - Government/Public Buildings
  - Hospitals, Schools, Churches
  - Parks, Recreation Centers
  - Power, Transmission, Distribution
  - Roadways, Bridges, Rail, Airports, Tunnels
  - Water, Wastewater, Stormwater

## COMPUTER SOFTWARE

- Slope/W
- LPILE
- AutoCAD
- gINT

# TSi REPRESENTATIVE PROJECTS

Project   Owner	Geotechnical Engineering	Construction Observation/ Inspection	Drilling	Construction Materials Testing
Route 109 Widening Improvements   City of Wildwood, MO	■	■	■	■
Front Street Improvements   City of Kansas City, MO	■	■		■
Route 141 (Page-Olive) Extension   St. Louis County, MO	■		■	
I-29 and Tiffany Springs Parkway Reconstruction   City of Kansas City, MO	■	■	■	■
Ladue Road Improvements   City of Chesterfield, MO		■		■
Rose Avenue Pedestrian Improvements   City of Brentwood, MO		■		■
Clayton Road Phase II (Oak Springs to Bopp Road)   City of Town & Country, MO		■		■
Strecker Road Bridge over Caulks Creek   City of Wildwood, MO	■	■	■	■
US Hwy 169 Interchanges at 108th Street and 96th Street, Kansas City, MO   MoDOT	■	■	■	■
I-64 Improvements (I-270 to Route 340), St. Louis County, MO   MoDOT	■		■	
Missouri Boulevard and Route 179 Interchange, Jefferson City, MO   MoDOT	■		■	
Route 364 (Page Avenue) Extension Phase 3, St. Charles County, MO   MoDOT	■		■	
Hwy 71 Bridge Replacements, Bates and Barton Counties, MO   MoDOT	■			
Troost Bridge at Brusck Creek   City of Kansas City, MO		■	■	■
Hwy 10 Bridge Replace over Fishing River/Marietta Street, Excelsior Springs, MO   MoDOT	■	■	■	■
Washington Avenue Streetscape   City of St. Louis, MO	■	■		■
Delmar Loop Trolley   East-West Gateway Council of Governments	■		■	
Timberlake Manor Bridge over Creve Coeur Creek   City of Chesterfield, MO	■		■	
Butcher Branch Road Bridge over Butcher Creek   Jefferson County, MO	■		■	
Highway N Improvements, Cottleville, MO   MoDOT	■		■	
Lambert-St. Louis International Airport, Numerous Projects   City of St. Louis, MO	■	■	■	■
I-435 and MO Route 210 Interchange, Kansas City, MO   MoDOT	■	■	■	■
I-49 and 211th Street Interchange, Peculiar, MO   MoDOT and the City of Peculiar, MO	■	■	■	■
Creve Coeur Mill Road Bridge No. 232   St. Louis County, MO	■		■	
Vogel Road Improvements   Jefferson County, MO	■		■	
Claychester Drive Bridge over Two-Mile Creek   City of Des Peres, MO	■		■	
Whitecliff Park Service Road Bridge   City of Crestwood, MO	■		■	
Mississippi Avenue Bridge Replacement over BNSF Railroad   City of Crystal City, MO		■		■
Lansdowne Avenue Bridge Replacement   City of St. Louis, MO	■		■	
Jefferson Avenue Viaduct Replacement   City of St. Louis, MO	■	■	■	■
Laclede's Landing Streetscape (2nd Street) Improvements   City of St. Louis, MO		■		■
Litzsinger Road Improvements (McKnight Rd to Lindbergh Blvd)   City of Ladue, MO	■	■		■
South McKnight Road Improvements (Clayton Road to Ladue Road)   City of Ladue, MO		■		■
Route 231 Bridge Replacement - Telegraph Rd over I-255, St. Louis County, MO   MoDOT	■		■	
US 59 Bridge Replacement, Buchanan County, MO   MoDOT	■		■	