Company Profile

Since its founding in 1978, SCI Engineering, Inc. (SCI) has grown steadily to become a multi-discipline firm with over 150 employees in five offices in Missouri, Illinois, and Texas. SCI provides consulting engineering services during all phases of projects – from development and design through final construction. Services include: geotechnical, environmental, natural resources, cultural resources, and construction testing. The company’s staff includes geotechnical engineers, geologists, archaeologists, biologists, environmental scientists, construction inspectors, and engineering technicians.

SCI is now well-established in the Central United States and serves a wide array of clients in multiple market sectors. A majority of our work comes from repeat clients who appreciate the value and continuity of our services.

The staff prides itself on the ability to provide consulting services with quality, professionalism, and responsiveness to clients during the development, design, and construction phases of projects. The company’s success is attributed to our team of highly skilled and experienced staff that includes geotechnical engineers, geologists, archaeologists, earth scientists, construction experts, and engineering technicians. The ability to develop innovative and cost-effective design solutions is not only a result of the diversity and experience of our staff, but also the commitment between different service groups to work as a team to provide our clients with quality consulting services.

Vision Statement and Core Values

The company has embraced the following vision statement:

We do what it takes to earn your trust.

Earning the client’s trust is a fundamental principle that allows us to make choices and decisions that are in the best interest of the client and the project. This is accomplished by adhering to these core values:

- We offer creativity in responding to specific client needs by fully understanding project characteristics and contract specifications.
- Understanding the importance of keeping a project on schedule, we are committed to responsiveness and the completion of work in a timely manner.
- We are dedicated to maintaining honesty, integrity, and professionalism when working with all clients.
- We value efficiency and work closely with the project team to establish effective communication so project goals can be achieved in a cost-effective way.
- Above all, we reflect enthusiasm about our services by searching for solutions and ideas that add value to every project while investing in the development of a long-standing relationship with our client.

“The SCI philosophy is to build relationships of trust with our clients.”

– William J. Green, P.E.
SCI Founder
SCI Services Provided

**Geotechnical Services**
- Foundation Analysis and Design
- Earth/Rock Embankment Design
- Slope Stability Analysis
- Earth Dam/Levee Design
- Soil Borings and Rock Coring
- Retaining Wall Design
- Soil Stabilization
- Geophysics
- Pavement Design
- Geologic Studies
- Excavation/Shoring Design
- Earthquake/Seismic Engineering
- Ground Water Studies
- Failure Analysis

**Natural Resource Services**
- Stream and Wetland Mitigation Banking
- Wetland Delineations and Permitting
- Endangered Species Consultation
- Bioengineering/Biostabilization
- Natural Resource Mapping
- Watershed Assessments
- Flora and Fauna Studies
- 401, 402, 404 Clean Water Act Permits
- Wetland and Stream Restoration Design
- Stormwater Pollution Prevention Plans
- Water Quality Sampling and Monitoring
- Erosion Control Monitoring
- Threatened and Endangered Species
- NPDES Monitoring and Reporting

**Cultural Resource Services**
- Section 106 Correspondence
- Phase I, II, and III Archaeological Surveys
- Historic Cemetery Delineation
- Architectural History and Research
- Native American Consultations
- Historic Property Documentation
- View Shed Calculations
- Archaeological/Historic Property Impact Studies
- Historic Research
- Archaeological Monitoring of Construction

**Environmental Services**
- Environmental Site Assessments
- NEPA Evaluations and Consultation
- Property Condition Assessments
- Underground Storage Tanks (USTs)
- Asbestos, Lead-based Paint, Mold
- Third Party Air Monitoring
- Abatement/Demolition Specifications
- Emergency Planning and Reporting
- NPDES Monitoring and Reporting
- GeoProbe and Piezometer Installation
- Monitoring Well Installations
- Remedial Systems Monitoring and Reporting
- Spill Prevention Control and Countermeasure (SPCC) Plans
- Noise Testing Services
- Compliance Audits; Annual Emissions

**Construction Services**
- Structural Masonry Quality Control
- Portland Cement Concrete Quality Control
- Portland Cement Concrete (lab)
- Asphalitic Concrete Quality Control
- Asphalitic Concrete (lab)
- Foundation Construction
- Controlled Earth Fill Testing
- Structural Steel Observation
- Laboratory Soil Testing
- Aggregate Analysis
- Floor Flatness Testing
- Fireproofing testing (field/lab)
- ICC-certified Special Inspectors for:
  - Structural Steel Welding, Structural Masonry, Reinforced Concrete, Post-Tensioned Concrete, and Fireproofing
Transportation Services

Representative Projects:
- TRRA Merchant Bridge over Mississippi River
- IDOT Mississippi River Bridge
- IL Approach and Rte. 3 & I-70
- MO Mississippi River Bridge
- IDOT Martin Luther King Ramp
- IDOT Martin Luther King New Connector
- IL I-64 & Rieder Road Interchange
- Southwestern IL Flood District Levee Repair
- Page Ave Extension (Rte 364)
- Lambert Airport Extension
- On-call Agreements with multiple MO and IL counties and municipalities

Transportation projects typically involve multiple engineering disciplines. SCI offers a team of highly skilled and experienced staff of professional engineers and scientists to assist State Departments of Transportation in delivering their transportation program. From preliminary engineering through design and construction, our staff brings well-managed expertise to challenging projects.

**Quality Management**
- Development of QMP for every phase of development incorporating:
  - Project Plans
  - Job Special Provisions
  - Specifications for Highway Development
  - Inspection and Testing Plan
  - System for scheduling, inspecting, and documenting the entire process

**Geotechnical Services**
- Subsurface exploration
- Foundation analysis
- Pavement design
- Bridge deck surveys
- Seismic Hazard Analysis
- In-House Insitu Testing (CPTu, DMT, VST)

**Geophysical Services**
- Ground Penetrating Radar, MASW
- Pavement evaluation

**Construction Testing and Observation**
- Non-destructive testing on existing welds on bridge deck structural steel
- CSL and PIT testing of deep foundations
- Quality assurance services for soil, concrete, asphalt, steel, and paint
- Laboratory certified by MoDOT, IDOT, AASHTO and USACE
- 19 Materials/Construction technicians certified by IDOT
- 26 Materials/Construction technicians certified by MoDOT
- 4 Resident Engineers/Technicians certified by IDOT

**Environmental Services**
- Environmental Assessments
- Environmental Impact Statements
- NEPA consultation
- Air quality & noise studies

**Natural Resource Services**
- Wetland delineations & permitting
- Bioengineering
- Threatened and endangered species surveys

**Cultural Resource Services**
- Phase I, II, & III Cultural Resource Surveys
- Architectural History Surveys

**State DOT Prequalifications**
- Illinois Department of Transportation:
  - Geotechnical—General, Complex, Subsurface, SGR
  - Hazardous Waste—Simple
  - Asbestos Abatement
  - Environmental Assessment
  - Construction Inspection
- Missouri Department of Transportation:
  - Cultural Resources
  - Geotechnical Engineering
  - Construction Material Testing and Inspection

For more information about Transportation Services, contact Rick Mauch, P.E. at rmauch@sciengineering.com, 618.206.3037
SCI provides the full range of professional and technical experience anticipated by MoDOT and has extensive experience providing services for government agencies for individual projects as well as indefinite quantity consulting agreements. **Select Completed MoDOT Projects Include:**

- **MOU SCI CD-02 529 (J5P0820F)** Lafayette Street, Cole County, $5,018.21, completed 9/22/14, Hazardous Waste & Materials Testing, Aaron Peck, Central Office of MoDOT

- **MOU DE14-HZ-001 (J6U1086F)** 1515 N. 11th Street, St. Louis County, $16,009.58, completed 1/31/14, UST Removal, Stowe Johnson, Central Office of MoDOT

- **MOU SL-12 (J611248/J611897)** Jefferson and Taylor Bridges, St. Louis County, $8,792.88, completed 11/4/13, Airborn Monitoring, Chris Duffner of MoDOT

- **MOU SCI CD-01 (J5P0951B)** 3716 Highway 50, Franklin County, $16,908.00, completed 3/11/2013, Hazardous Waste & Construction/Materials testing, Aaron Peck, Central Office of MoDOT

In addition to the notable projects listed above, SCI holds on-call agreements for multi-discipline services with the State of Missouri and multiple Missouri counties and municipalities. **Select on-call agreements include:**

- Franklin County Highway Department
- Jefferson County, Missouri
- City of St. Charles, Missouri
- City of Maryland Heights, Missouri
- City of Clayton, Missouri
- City of Ellisville, Missouri
- City of Washington, Missouri
- State of Missouri Environmental Services Contract
- State of Missouri’s Hazardous Response Contract

SCI has been headquartered in St. Charles, Missouri, since our founding in 1978.

We also maintain two satellite offices in Union and Rolla, Missouri.