



**Missouri's
Local
Program**
*for community
development*

COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

SCI Engineering, Inc.

Firm Contact Name:

Dave Nolan, P.E.

Contact Email
Address:

DNolan@sciengineering.com

Firm's Mailing Address:

130 Point West Blvd. St. Charles, MO 63301

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**



SCI ENGINEERING, INC.

EARTH • SCIENCE • SOLUTIONS

GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

December 12, 2025

Ashley Buechter, P.E.,
Local Program Administrator
Missouri Department of Transportation
105 W. Capitol Avenue
Jefferson City, MO 65102

RE: Missouri's Local Program – Construction Inspection

Dear Ashley Buechter:

SCI Engineering, Inc. (SCI) is pleased to submit our Letter of Interest to provide construction materials testing and inspection services. We offer a team of highly skilled and experienced professional engineers and technicians that can assist your staff in delivering the state's program.

GENERAL EXPERIENCE

The Construction Services Group offers a staff of professional engineers, engineering technicians, laboratory technicians, and special inspectors who are licensed or certified to provide a wide variety of field, laboratory and quality control services for roadway, bridge, and transportation projects. SCI's Construction Services staff hold the proper MoDOT certifications and have sufficient capacity to handle the toughest of jobs and schedules. Currently, over 55 engineering technicians and 13 professional staff make up the group. In addition, SCI has 40 technicians on staff who hold MoDOT certifications. SCI maintains 1 laboratory in Missouri and 1 in the St. Louis Metro East area that staff 9 full-time engineering technicians. The laboratories are USACE validated and AASHTO accredited.

PAST PERFORMANCE

SCI provides the full range of professional and technical experience anticipated to be required by MoDOT and has extensive experience providing services for government agencies for individual projects as well as indefinite quantity consulting agreements. Overall, SCI has provided services for MoDOT projects for over 30 years. SCI has also provided multidiscipline services, including construction materials testing, for numerous projects through local municipal or public agency on-call contracts within the past 25 years. SCI has consistently delivered accurate test results, rapid response times, and reliable field support for MoDOT projects statewide. Our teams routinely meet accelerated construction schedules and maintain strong communication with MoDOT resident engineers and contractors. You are invited to contact our references who can attest to our past performance, including quality of work, accuracy of cost estimates, and completion of the project within the predetermined schedule.

- **Jefferson County Annual On-Call Service Agreement** – Reference: Jason Jonas, P.E., Director of Public Works, 636-797-5369, jjonas@jeffcomo.org
- **City of St. Charles, Missouri Annual On-Call Service Agreement** - Reference: Jonathan Silver, City of St. Charles Engineering Division, 636-949-3241, Jonathan.silver@stcharlescitymo.gov
- **City of O'Fallon, Missouri Annual On-Call Service Agreement** - Reference: Chris Clercx, Capital Improvements Manager, 636-327-5101, cclercx@ofallon.mo.us
- **Village of Marlborough Annual On-Call Service Agreement** – Reference: Roy (Skip) Bornmueller, 314-962-5055, general@marlboroughmo.gov
- **City of Twin Oaks Sidewalk & Stormwater Improvements** - Reference: Tiffany Danz, BFA, Inc., 636-239-4751, tdanz@bfaeng.com
- **Warrenton Old US 40 Sidewalk Extension Phase 1 & 2** - Reference: Guy Gevers, City of Warrenton, 314-456-3535, ggevers@warrenton-mo.org

- **City of Washington Jefferson Street Road** - Reference: Kevin Kriete, P.E., 314-425-8319, kevin.kriete@hdrinc.com
- **Muegge Road Rehabilitation Project** – Reference: Jeffrey Pittman, City of St. Charles, 636-949-3200, jeffrey.pittman@stcharlescitymo.gov
- **Brentwood Bound, Deer Creek Flood Mitigation** – Reference: Bola Akande, City of Brentwood, 314-963-8600, bakande@brentwoodmo.org

QUALIFICATIONS OF PERSONNEL

Our proposed key personnel offer MoDOT a high level of technical experience. SCI field staff are certified by MoDOT, IDOT, ICC, and the American Concrete Institute (ACI). Several SCI employees are LPA Project Certified through MoDOT and the Federal Highway Administration to support federally funded projects in compliance with FHWA standards. SCI also employs several approved Outsource Inspectors for permit projects. Following are key construction employees who have been actively providing services for MoDOT projects, and who would continue to provide services under the renewed construction materials testing and inspection agreement:

Project Oversight: Dave Nolan, P.E. – Dave joined SCI Engineering, Inc. in 1995 and currently serves as Vice President and Director of the Construction Services Group. With more than 30 years of experience supporting transportation infrastructure projects, he oversees field and laboratory operations related to construction materials testing for roadways, bridges, interchanges, and related civil works. Under his leadership, SCI’s technicians and professionals conduct comprehensive testing and evaluation of asphaltic concrete, Portland cement concrete, aggregates, soils, and structural steel—ensuring compliance with state DOT specifications and industry standards. Dave has also performed numerous assessments of distressed transportation structures and pavement systems and has provided expert witness testimony in legal proceedings.

Project Director: Karl Koenigsfeld, P.E. – Karl brings over 30 years of experience, including extensive expertise in Construction Materials Testing with a significant emphasis on transportation infrastructure. He oversees laboratory and field operations to ensure compliance with local, state, and federal standards, including Missouri Department of Transportation (MoDOT) and Local Public Agency (LPA) projects. He regularly collaborates with transportation agencies, consultants, and contractors to deliver data-driven insights and ensure the long-term performance and safety of transportation infrastructure across the state of Missouri.

Project Manager: David Marth, P.E.- David recently joined SCI Engineering, Inc. to lead our Transportation Services group, bringing more than 12 years of IDOT District 8 Bureau of Design experience and 22 years of service as the Greene County Engineer. He has been recognized as both the IDOT District 8 Engineer of the Year and the County Engineer of the Year. During his tenure with Greene County, David successfully transitioned the Highway Department into a Design/Build operation, improving all financial metrics, roadway and structure conditions, and overall departmental capacity and efficiency. He also has over 22 years of experience as an IDOT-approved Resident Engineer on projects throughout Greene and Calhoun Counties, with a proven track record of delivering accurate, timely documentation and inspections in accordance with IDOT and FHWA requirements. David’s professional development includes completion of the IDOT Executive Leadership and Development Program, NHI In-Service Bridge Inspection Program Manager Certification, IDOT Land Acquisition Appraisal and Negotiation Certification, and the IDOT Construction Documentation and Certification Program. He has also served in statewide leadership roles, including as Chairman of the IACE Revenue Committee and as the 2018 President of the Illinois Association of County Engineers.

Project Manager Geotechnical Services: Tim Barrett, P.E., CFM - Tim joined SCI Engineering in 2007 and has over 17 years of experience in geotechnical engineering. He is responsible for managing and coordinating geotechnical subsurface investigations and preparing comprehensive geotechnical reports with foundation and site development recommendations. His expertise encompasses global stability, liquefaction, seepage, settlement analysis, pavement design, and reinforced earth mat design. Tim has significant experience in transportation engineering, particularly with MoDOT and local public agencies,

and has contributed to complex transportation projects, including slope repairs, complex intersections, culverts, retaining walls, global stability assessments, bridges, and their approaches.

PREQUALIFICATION

SCI's MoDOT Vendor Number is 0020336 and we are prequalified through August of 2026.

With over 150 dedicated employees across Missouri, SCI has the capability and capacity to provide services for multiple, concurrent projects supporting MoDOT's mission statewide.

FAMILIARITY AND CAPABILITY

Experience Providing Services for Federal and State Projects - SCI has experience with federal and state specifications and regulations. We have employees who have worked directly with these agencies, as well as employees with numerous experiences in roadway and building projects. SCI is very familiar with working on sites where federal funds are being utilized, including for FHWA, STP and ARRA funded projects. Our testing procedures, reporting formats, quality systems, and documentation all align with federal regulations, MoDOT's EPG, and project delivery requirements for federally funded transportation improvements.

Statewide Services - SCI operates from our Missouri office with support from our nearby O'Fallon, Illinois location. Our team has the staff, resources, and equipment necessary to fully and efficiently respond to MoDOT needs, including the ability to execute multiple concurrent task orders across the state.

Materials Laboratories - SCI has two fully equipped laboratories that are approved by the Missouri Department of Transportation, AASHTO and the U.S. Army Corps of Engineers. Both SCI labs can be utilized by MoDOT as a back-up or third-party testing in the following areas of materials: Soils, Aggregates, PCC, and HMA.

Strong Knowledge and Understanding of Missouri Transportation Challenges - Several SCI employees are very actively involved in Missouri transportation organizations and through these associations have developed strategic relationships and have helped further Missouri's transportation initiatives. Associations include statewide groups such as the ACEC and local groups such as the St. Charles County Road Board.

ACCESSIBILITY

Our team comes prepared to fully dedicate time, energy, and expertise to meet MoDOT's project expectations. SCI has a proven track record for providing services for on-call rapid response contracts and is committed to providing a continuous hands-on approach prior to, during and after all MoDOT projects. Our use of digital reporting platforms and real-time communication tools ensures timely delivery of results and continuous coordination with MoDOT staff. Please refer to the above listed references who can attest to our timely response times and ability to work within the pre-determined project schedules.

SCI offers statewide resources and proven reliability that will make us an outstanding addition to your contracting pool. We look forward to continuing to provide multi-discipline services for MoDOT projects. If you have questions, or would like additional information, please contact me directly at: 636-757-1024 or dnolan@sciengineering.com.

Respectfully,
SCI ENGINEERING, INC.



David Nolan, P.E.
Vice President, Construction Services



SCI ENGINEERING, INC.

**Earth.
Science.
Solutions.**

SCI Engineering, Inc. (SCI) is a multi-discipline engineering firm that has been providing environmental and geotechnical services as well as natural resources, cultural resources, and construction materials testing services since 1978.

Since our founding, we have steadily grown to six offices and nearly 200 employees located in Missouri, Illinois, Texas and Colorado. SCI has the ability and mobility to provide our services across the United States.

SCI serves a wide array of clients in multiple market sectors. Those sectors include, but aren't limited to Federal, Transportation, Oil, Gas and Energy, Healthcare, Industrial and Manufacturing, Government and Local Agencies, Residential, Urban Redevelopment, and Education.

Our 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 service groups to work as a team to provide our clients with quality consulting services.

SCI brings value to our clients by providing:

- A single point-of-contact for all of SCI's services;
- Project-dedicated engineers/professionals to ensure consistency and quality;
- Aggressive and flexible schedule to meet project milestones;
- Seamless communication of test results with the construction team; and
- Comprehensive weekly updates

We refer to this project management approach as The SCI Way. This experience is customized to meet the needs of each and every client.



www.sciengineering.com



SCI ENGINEERING, INC.

Earth. Science. Solutions.

Geotechnical Services

- Subsurface Exploration
- Foundation Analysis
- Seismic Hazard Analysis
- Soil Borings
- Soil Stabilization
- Excavation Analyses
- Slope Stability Analysis
- Groundwater Studies
- Earth Dam Design
- Pavement Design
- Failure Analysis
- Retaining Wall Design
- Undermining Evaluation

Geophysical Services

- Ground Penetrating Radar
- Pavement and Bridge Deck Evaluation
- Utility Locating (SUE)
- Shear Wave Velocity Measurements (MASW, ReMi)
- Bedrock Mapping
- Karst Feature Characterization
- Resistivity Testing



Environmental Services

- Phase One and Two Environmental Site Assessments
- NEPA Evaluations and Consultations
- Third Party Air Sampling
- UST Removal Monitoring, Reporting and Plume Delineation
- Remedial Action Plans, System Monitoring and Reporting
- GeoProbe, Piezometer and Monitoring Well Installations
- Subsurface Explorations
- Remediation Specifications
- National Pollutant Discharge Elimination System Monitoring and Reporting
- Spill Prevention Control and Countermeasure (SPCC) Plans
- Compliance Audits and Annual Emissions Reporting
- Noise testing Services
- Risk Assessments
- Regulatory Consulting
- Surveys for Asbestos, Lead-based Paint, and Mold

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
- Section 401, 402, 404 Clean Water Act Permits
- Wetland and Stream Restoration Design
- Stormwater Pollution Prevention Plans
- Water Quality Sampling and Monitoring
- Erosion Control Monitoring



Cultural Resource Services

- Section 106 Correspondence
- Archaeological Surveys- Phase I, Phase II and Phase III
- Historic Cemetery Delineation
- Geophysical Investigations
- Tribal Consultation Assistance
- Historic Property Documentation HABS/HAER
- View Shed Calculations
- Archaeological/Historic Property Impact Studies
- Historic Research
- Pre-Construction Consultations
- Archaeological Monitoring of Construction

Construction Materials Testing and Inspection Services

- Structural Masonry Quality Control
- Portland Cement Quality Control
- Asphaltic Concrete Quality Control
- Foundation Testing
- Controlled Earth Fill Testing
- Structural Steel Observation
- Laboratory Soil Testing
- Aggregate Testing
- USACE-Certified Laboratories
- Non-destructive Testing
- ICC-certified Special Inspectors for:
 - Structural Steel Welding
 - Structural Masonry
 - Reinforced Concrete
 - Post-Tensioned Concrete
 - Fireproofing





SCI ENGINEERING, INC.

National Environmental Policy Act (NEPA) Services

SCI Engineering provides a broad range of consulting services, specializing in National Environmental Policy Act (NEPA) assessments and documentation. We have extensive experience conducting studies and preparing reports to ensure compliance with the NEPA process. We have successfully supported various infrastructure projects including roadways, railways, levees, utility easements, parks, and healthcare and educational facilities. Our team remains committed to staying up-to-date with ever evolving state and federal regulations ensuring the highest level of expertise and compliance.

Environmental Services

- NEPA Evaluations and Documentation
- Noise and Vibration Analysis/ Testing
- Endangered Species Act (ESA) compliance
- Clean Water Act (CWA) compliance and Floodplain Reviews
- Section 404/401 Permitting Services
- Cultural and Architectural Resource Surveys
- Section 106 National Historic Preservation Act (NHPA) Compliance
- Farmland Protection Policy Act (FPPA) Reviews
- Section 4(f) and 6(f) Reviews
- Phase One and Two Environmental Site Assessments
- Public Involvement Meetings



Representative Projects

- Old Lemay Ferry Road Improvements
- Interstate-70 Outer Road Improvements -5th Street to Fairgrounds
- Interstate-70 Improvements -Cave Springs to Mid Rivers Mall Drive
- Echo Bluff State Park
- Binz Engelman Road
- St Charles Gateways
- Chesterfield Outer Road Extension
- Interstate 70 Improvements SIU-1, 2, 6
- Interstate 44 – Springfield, MO
- MidAmerica Airport to Scott/Shiloh Metrolink Extension
- Steward Creek Solar

"I want to thank SCI for exceptional services.... SCI's responsiveness, professionalism, field experience and broad range of geological, asbestos, and other environmental expertise have served Norfolk Southern's requirements without exception."

—W. Bryan Salley
Norfolk Southern Corporation

What We Do

SCI has been providing engineering and consulting services since 1978 and specializes in the fields of environmental, geotechnical, natural and cultural resources, and construction materials testing services. SCI's team of diverse talent develops innovative, value-driven and cost-effective design solutions for our clients.

How We Do It

SCI is committed to gaining a comprehensive understanding of each project's unique objectives including timeline and budget. This allows us to provide a customized approach and meet the specific needs of each client and the design/construction team. SCI strives to make a positive impact everywhere we work.

Who We Are

SCI is a multi-discipline engineering firm that provides innovative and tailored solutions for clients and projects across the country. Since our founding, SCI has grown steadily, evolving into a comprehensive, award-winning firm with nearly 200 dedicated employees and six office locations Nationwide.

**For more information contact: Ed Grimmer, Vice President
(636) 949-8200 | egrimmer@sciengineering.com**