



**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:

Edwin P. Grimmer, P.E.

Contact Email  
Address:

EGrimmer@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 - Environmental

Dear Ashley Buechter:

SCI Engineering, Inc. (SCI) is pleased to submit our Letter of Interest to provide Environmental Services for Missouri's Local Program. SCI prepares Categorical Exclusions (CE), Environmental Assessments (EA), Environmental Impact Statements (EIS), and NEPA re-evaluations in full compliance with FHWA procedures. Our team performs wetland and stream surveys, hazardous materials evaluations, species-specific surveys, habitat assessments, and all required analyses to support determinations of impact to listed species and protected resources. Additional capabilities include floodplain and farmland assessments, socioeconomic evaluations, and comprehensive noise analyses, including monitoring, modeling, and preparation of noise reports.

### **GENERAL EXPERIENCE**

SCI Engineering provides full-scope NEPA services including preparation of Categorical Exclusions (CE), Environmental Assessments (EA), Environmental Impact Statements (EIS), and NEPA re-evaluations. Our team routinely prepares supporting analyses such as Section 4(f) documentation, Section 6(f) conversion evaluations, and contributes to development or implementation of Programmatic Agreements relevant to NEPA compliance. Additionally, SCI has experience preparing NEPA re-evaluations for roadway, interchange, and corridor projects when scope changes, schedule extensions, or design refinements necessitate updated documentation.

Our in-house team of NEPA specialists, geologists, biologists, ecologists, botanists, and archaeologists excel at providing natural resource and environmental services, including surveys for threatened & endangered species, wetlands, waterbodies, vegetation, and biological monitoring; cultural resource services; socioeconomic and community impact analyses; air quality and noise studies; and agricultural and land use assessments for transportation projects. SCI staff have significant experience preparing environmental assessments, categorical exclusion documentation, and permitting services. Our experience with DOTs has provided us with the distinct advantage of developing methods to work both efficiently and effectively, ultimately providing a faster turnaround on our projects without sacrificing quality. SCI has developed strong relationships with regulatory agencies throughout the Midwest, including U.S. Army Corps of Engineers (USACE), the Federal Highway Administration (FHWA), and other federal and state agencies. These relationships, as well as our thorough understanding of regulations and requirements, result in the submittal of complete documentation and reports.

### **PAST PERFORMANCE**

SCI has provided environmental services for MoDOT and LPAs for more than **25 years**, supporting both federally funded and locally funded projects. The representative projects below demonstrate SCI's ability to deliver high-quality NEPA documentation, perform technical analyses, and coordinate effectively with agencies and local partners.

### **REPRESENTATIVE PROJECTS**

**Interstate 70 Access Improvements – 5th Street to Fairgrounds Road, St. Charles County, Missouri** - SCI prepared Categorical Exclusion (CE) documentation for a proposed project which included a study of improvements to the Interstate 70 Outer Road system between Fifth Street and Fairgrounds Road. The preliminary concept consisted of modifications to the interchanges and outer roads at Fairground Road and 5<sup>th</sup> Street. Construction of some portions of the outer roads and interchanges would be required. The project area was evaluated by SCI for all NEPA categories of study. This project required detailed coordination between SCI, the engineering team, city, and county

130 Point West Boulevard, St. Charles, Missouri 63301 ■ 636-949-8200 ■ 618-624-7099 (fax)

[www.sciengineering.com](http://www.sciengineering.com)

representatives, MoDOT's environmental staff, and FHWA. SCI's project manager facilitated this coordination by organizing several meetings between the engineering design team, MoDOT, and FHWA. This extensive coordination allowed for an expedited review of the CE document and streamlined NEPA process resulting in significant budget savings.

**Chesterfield Outer Road - Chesterfield, MO** - The project consisted of improvements to approximately one-mile of the Interstate 64/40 Outer Road system between the exit ramp at Chesterfield Parkway West and the Future Baxter Road Extension. SCI provided a Categorical Exclusion (CE) NEPA services for this project. The study collected and analyzed baseline data regarding the environmental impacts from the project related to wetlands and streams, noise impacts, socio-economics and environmental justice, aesthetics, cultural resources, 4(f)/6(f), threatened and endangered species, farmland impacts, displacements, hazardous waste, air quality, geology and hydrogeology, flood plains and public involvement. The results were compiled in a CE.

**MoDOT Route 47—Troy to Hawk Point Improvements - Lincoln County, MO**

SCI assisted Oates Associates with a proposed pavement, safety, and shoulder improvements project along an approximately 6.7-mile segment of Route 47 in Lincoln County, Missouri between Hawk Point and Troy. As part of project due diligence, SCI provided both wetland delineation and cultural resource services within the project corridor. SCI completed the necessary field surveys and provided summary reports following the completion of fieldwork. SCI also provided assistance with preparing a Draft Categorical Exclusion document to meet the necessary NEPA component of the project. The project is ongoing.

**Echo Bluff State Park - Shannon County, Missouri** - SCI provided T&E species consultation services due to the known presence of T&E bats near the site. This included conducting acoustic and mist netting surveys to determine the presence of any Federally listed bat species and coordination with USFWS and MDC. As part of the USFWS ESA consultation process, SCI prepared a Biological Assessment (BA). The BA provided documentation on potential T&E species that may exist within the project site and was approved by the USFWS. The USFWS concurred that the project was either "not going to affect listed species or may affect but is not likely to adversely affect six listed species with the implementation of conservation measures."

**MoDOT On-Call Noise Studies - Ozark and Nixa, MO** - SCI performed a noise analysis to evaluate traffic noise for the proposed improvements. The analyses were conducted in accordance with MoDOT Engineering Policy Guide Section 127.13, Noise. Traffic noise was evaluated at over 250 receptor locations, and 13 noise walls were evaluated. The studies concluded that 12 of the noise walls were not feasible because they were unable to meet design criteria, and the remaining wall was not economically reasonable; therefore, abatement was not implemented for this project.

**MoDOT On-Call Noise Study, US 60 at Missouri Highway 125 - Rogersville, MO** - SCI conducted a noise analysis to evaluate traffic noise for the proposed improvements. The analyses were conducted in accordance with MoDOT Engineering Policy Guide Section 127.13, Noise. Traffic noise was evaluated at 43 receptor locations, and 1 noise abatement wall was evaluated but was determined to be not reasonable.

**QUALIFICATIONS OF PERSONNEL**

SCI maintains a strong team with extensive experience preparing environmental documents for transportation projects. The following individuals are our key staff who routinely prepare environmental documentation:

**Ed Grimmer, P.E., Vice President, Design and Due Diligence Services** - With over 30 years of environmental consulting experience, Ed has led multidisciplinary teams on complex transportation and infrastructure projects nationwide, guiding clients through compliance with federal, state, and local environmental requirements. His background includes NEPA assessments and documentation, hazardous waste characterization, soil and groundwater investigations, Phase I and II ESAs, and technical analyses related to air quality, noise, and SPCC planning. Ed's depth of experience provides MoDOT with strong oversight, technical accuracy, and streamlined coordination in support of CEs, EAs, EISs, and NEPA re-evaluations.

**Scott Billings, Senior Project Scientist, Natural and Cultural Resources Services Manager** – Scott joined SCI Engineering in 2006 and has extensive expertise in natural and cultural resource evaluation in support of NEPA documentation. His technical background includes wetland delineations, stream assessments, Section 404/401 permitting, threatened and endangered species assessments, and preparation of environmental impact evaluations. Scott manages large-scale transportation and linear infrastructure projects, coordinating multidisciplinary resource studies and facilitating agency consultations to ensure compliance with federal and state environmental regulations.

**Michael Holm, Project Scientist** - Michael joined SCI Engineering in 2019 as a natural resource scientist and has developed strong expertise supporting transportation-related environmental compliance. He has over three years of

experience conducting threatened and endangered species surveys, wetland delineations, habitat assessments, and mitigation monitoring for roadway, bridge, and linear infrastructure projects. His background includes Section 401, 402, and 404 permitting; SWPPP inspections and compliance; and implementation of Water Quality Best Management Practices and NPDES regulations—services essential to maintaining transportation project schedules and meeting state and federal requirements. Michael routinely performs SWPPP inspections, 401/404 permitting support, T&E species evaluations, and wetland and stream assessments, and he also provides assistance on cultural resources surveys to ensure comprehensive environmental clearance for transportation improvements.

**Robert Verheggen, GIS/Noise Analyst**— Robert specializes in transportation projects and has conducted Highway Traffic Noise Modeling for various roadway projects and transportation noise in accordance with MoDOT and FHWA guidance for over 10 years. He has completed FHWA’s Highway Traffic Noise Course and the FHWA TNM 2.5 Training Course and has over 25 years of cartographic and drafting experience with over 20 years of GIS experience.

## **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 Projects** - SCI is very familiar with working on site where federal funds are being utilized via the FHWA and are well versed on FHWA regulations (23 CFR Part 772) for projects which must be evaluated according to NEPA.

**Statewide Services** - SCI operates from our St. Charles, 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.

**Established Working Relationships** - SCI has provided services for many state agencies including MoDOT, USFWS, MDNR, and MDC since our founding in 1978. Our key environmental personnel have built professional relationships with many regulatory agency project managers.

**Strong Knowledge & Understanding of Missouri Transportation Challenges** - SCI employees are actively involved in Missouri transportation organizations. Through these associations they developed strategic relationships to help further Missouri’s transportation initiatives.

## **ACCESSIBILITY**

SCI has a proven record of responsiveness and consistent delivery of on-time, high-quality environmental services for MoDOT and LPAs. We maintain ample staffing across Missouri to ensure immediate support for project needs and schedule-driven assignments. SCI has consistently received high commendations on the quality of our services from various government contracts, including numerous excellent overall ratings from MoDOT personnel. SCI is committed to clear communication, rapid response, and reliable coordination.

## **REFERENCES**

Barbara Wells  
CDM Smith  
wellsbl@cdmsmith.com  
816-412-3112

PJ Kronlage, P.E.  
EFK Moen  
pjcronlage@efkmoen.com  
314-729-4100

Amanda Keilholz  
Missouri Primary Care Association  
akeilholz@mo-pca.org  
573-636-4222 x 1227

SCI offers statewide resources and proven reliability that make us an outstanding addition to your contracting pool. We look forward to providing multidiscipline services for MoDOT projects. If you have any questions, please contact me at: (636) 949-8200 or [egrimmer@sciengineering.com](mailto:egrimmer@sciengineering.com).

Respectfully,  
**SCI ENGINEERING, INC.**



Edwin P. Grimmer, P.E.  
Vice President, Design and Due Diligence 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](http://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](mailto:egrimmer@sciengineering.com)**